Architecture & Urban Planning
College of Architecture & Urban Planning
Architecture (ARCH) Open Sections

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# Dental Hygiene

## Dental Hygiene-Dentistry

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## Dentistry

### School Of Dentistry

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Pediatric Dentistry (PEDDENT) Open Sections

| 591    | Clinical Ped Dent | 1.00-6.00 | Boynton | 20 N |
| 10206  | Sem Pediatric Dent | 3.00 | Boynton | 12 N |
| 10207  | Stan Care of Ped Den | 1.00-2.00 | Boynton | 12 N |
| 19418  | Pd Anes Rotan | 2.00 | ADVISORY | 15 N |

Periodontics (PERIODON) Open Sections

| 780    | Periodontic Clinic | 1.00-6.00 | Wang | 20 N |
| 782    | Sem in Periodontics | 1.00-2.00 | Eber, Wang, Botero, Chan, Fenno, Giannobile, Yu, Oh, Taichman, Travan, Velasquez, Wang, Kaigler | 12 N |
| 10211  | Periodontal Therapy | 1.00-6.00 | Razzoog | 20 N |

Prosthodontics (PROSTHOD) Open Sections

| 583    | Independent Study | 1.00-2.00 | ADVISORY | 12 N |
| 14266  | Prin Compl Dent Pro | 1.00 | Razzoog | 12 N |
| 10216  | Partial Dent Theory | 1.00 | Razzoog, Saglik, Oh | 12 N |
| 10218  | Clin Prosthodontics | 1.00-6.00 | Razzoog | 20 N |

Restorative (RESTORA) Open Sections

<p>| 570    | Princ of Occlusion | 2.00 | Valcanaia | 25 N |
| 575    | Dig Ceramic Dent | 2.00 | Fasbinder | 25 N |
| 656    | Biomat Sci | 2.00 | | |</p>
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Education

--MOST SCHOOL OF EDUCATION COURSES ARE LISTED UNDER EDUCATION. SOME ADDITIONAL COURSES ARE LISTED UNDER EDUCATION C AND D.
--UNDERGRADUATE STUDENTS MUST HAVE ATTAINED JUNIOR STANDING COMPLETION OF AT LEAST 54 SEMESTER HOURS OR MUST BE SCHOOL OF EDUCATION SPECIAL STUDENTS BEFORE THEY MAY ELECT 300 OR 400 LEVEL COURSES
--TEACHER CERTIFICATION COURSES: ENROLLMENT PREFERENCE WILL BE GIVEN TO STUDENTS PREVIOUSLY ADMITTED TO AN APPROVED TEACHER CERTIFICATION PROGRAM; OTHERS MAY BE REQUIRED TO WITHDRAW.
--UNLESS OTHERWISE INDICATED, CLASS PERMISSION (OVERRIDES) ARE AVAILABLE IN 1033 SEB (734-764-7563).

School Of Education

Education C Behavioral Sciences In Education (EDBEHAVR) Open Sections

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Mathematics and Social Justice

Meets with EDUC 490-002.

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After the class is full, we will not be taking students off the wait list until the class starts in the fall, based on attendance and lottery. Thus, your place on the wait list has no bearing on your chances of getting in.

Students should be certain to show up to first class day or won't be allowed to register/stay in class, or remain on the wait list.

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After the class is full, we will not be taking students off the wait list until the class starts in the fall, based on attendance and lottery. Thus, your place on the wait list has no bearing on your chances of getting in.

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Community Service and Language, Education and Culture

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1st semester Elem students only (Cohort 1.) Class meets from 10/8/19-12/10/19.

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Secondary MUSIC students only.

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1st semester Elem students only (Cohort 1.) Year 1. Course meets at Bryant. Student is responsible for arranging transportation.

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3rd semester Elem students only (Cohort 1 & 2.) Class meets 9/9/18-12/11/18.

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1st semester Elem students only (Cohort 1.) Class meets 10/9/19-12/9/19.

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Secondary MAC and undergraduate MATH students.

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Sec MAC and undergraduate WORLD LANG students only. If fieldwork days (T/Th) cause schedule restrictions, please contact Maria Coolican at mariajc@umich.edu.

421 Tch Science Elemsch 2.00
17196 P R REC 001 M 9-12PM 2241 SEB Davis
Class meets 10/7/19-12/19/19.

422 Tch Science Sec Sch 3.00 ADVISORY
10237 P R REC 001 T 4-7PM 2241 SEB Gordon
Sec MAC and undergraduate SCIENCE students only.

427 Elemen School Art 3.00 25.00
17432 P R LEC 001 T 4-7PM 2218 SEB Robertson
School of Education Elementary Students only.

431 Tchg Soc St Ele Sch 3.00
19872 P R REC 001 M 9-12PM 4212 SEB Elmac 22 students only. Class meets 9/9/19 through 12/9/19.

440 Teaching of English 3.00 ADVISORY
10239 P R LEC 001 F 1-430PM 2340 SEB Alston
Sec MAC and undergraduate ENGLISH cohort students only.

443 Exceptionalities K-8 1.00
22617 P R LEC 001 MTH 1-4PM 2328 SEB Fortini
For Elmac 22 students only. Class meets three times 12/2/19 thru 12/9/19.

444 Tchg with Tech K-8 1.00
22553 P R LEC 001 W 830-12PM 2346 SEB Keren-Kolb
1st semester Elem students only (Cohort 1.) Year 1. Class meets 9/11/19-10/2/19.
22554 P R LEC 002 M 830-12PM 2218 SEB Keren-Kolb
1st semester Elem students only (Cohort 2.) Year 1. Class meets 9/19/19-9/30/19.
24074 P R LEC 003 ARR ARR For Elmac 22 students only. Class meets 9/10/19-11/21/19.
24946 P R LEC 004 ARR ARR For Elmac 22 students only. Class meets 9/10/19-11/21/19.

450 Educ, Peace&Conflict 3.00
29402 P  REC 001 F 1-4PM 2218 SEB Bellino
Crosslisted with MENAS 461-001.

461 Earth Odyssey 3.00 30.00
20245 P SEM 001 M 2-5PM 2228 SEB Stanzler
For Elmac 22 students only. Course meets three times 12/2/19 thru 12/9/19.

500 Foundatns Literacy 3.00 ADVISORY
32374 P REC 001 F 9-12PM 2218 SEB Rosario-Ramos
Class meets on six occasions: 1) 9/3/19 through 11/21/19.

509 Teaching & Learning 1.00
23796 P R SEM 001 ARR ARR Robertson
Secondary MAC Cohort 1 (Maize) students. Course meets on six occasions:
22563 P R LEC 002 TH 5-8PM 2228 SEB Pasque, Stanzler
Secondary MAC Cohort 2 (Blue) students. Course meets on six occasions:
21165 P R LEC 001 TH 5-8PM 2228 SEB Pasque, Stanzler

518 Workshop Teach Math 3.00
10240 P R SEM 001 ARR ARR Shaughnessy
Elmac 22 students only. Course ends 11/11/19.

524 Inquiry Educ Issues 3.00
25207 P SEM 001 TH 4-7PM 2334 SEB Graves
For Elmac 22 students only. Class meets 9/9/19 through 12/19/19.

This is the lab section for students registered in EDUC 547-002. Lab is for certification students only.

For Elmac 22 students only. Class meets 9/9/19 through 11/21/19.

Elmac 22 students only. Course ends 11/11/19.
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652 Directed Tchg Sec 6.00
29855 P LAB 001 MTWTHF 7-4PM ARR
Secondary MAC ENGLISH students only. Concurrent registration in EDUC 654-001 required. Choose S/U grading option.
This is a "Y" course.

654 Prob-Prin Sec Ed 0.50-1.50
29857 P SEM 001 T 4-6PM 2320 SEB
Secondary MAC ENGLISH students only. Concurrent registration in EDUC 652-001 required. Choose letter graded option. This is a "Y" course.

663 Organizing for Lrng 3.00 ENFORCED
31492 P R SEM 001 T 9-12PM 2218 SEB King
Required for LPAC students. Open to others by permission of instructor.

665 Foundatn Stu Aff Edu 3.00 ADVISORY, ENFORCED
10246 P R LEC 001 T 1-4PM 2310 SEB Taylor

703 Hst Persp Ltrcy Res 3.00
32692 PI SEM 001 ARR ARR
Permission of instructor required. Contact annemari@umich.edu.

707 Psychometric Theory 3.00 ADVISORY
24168 P LEC 001 W 4-7PM 2320 SEB
Prereq EDUC 795 required. Crosslisted with Psych 707.

717 Interdisc Prob Solv 3.00 ADVISORY
32526 PD LAB 002 W 315-415PM 0220 JEFFRIES Carr, Doyle
This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). In Michigan, many children are subject to formal child abuse and neglect investigations, and those children are at high risk of subsequent maltreatment, poor school performance, foster care placement, and other adverse life outcomes. Multidisciplinary teams of students will develop tools to identify at-risk children, mitigate risks of maltreatment and removal from the home, and engage with at-risk families. Students will incorporate evidence and ideas from education, law, health sciences, public policy, social work, information, and other fields to develop innovative solutions.

717 Interdisc Prob Solv 3.00 ADVISORY
32533 PD LAB 003 W 315-415PM 0220 JEFFRIES Kantor, Mohai
This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Some states, including California and Minnesota, reduce toxic airborne emissions and promote better health outcomes for residents by measuring the cumulative impact of hazardous air pollutants. In this class, students will determine why Michigan has failed to adopt such a cumulative impact approach. Students will incorporate ideas from environmental studies, law, health sciences, design, social work, and other fields to

717 Interdisc Prob Solv 3.00 ADVISORY
32526 PD LAB 002 W 315-415PM 0220 JEFFRIES Kantor, Mohai

717 Interdisc Prob Solv 3.00 ADVISORY
31277 P R REC 001 M 9-12PM 2228 SEB Miller
Crosslisted with Psych 708.

717 Interdisc Prob Solv 3.00 ADVISORY
32533 PD LAB 003 W 315-415PM 0220 JEFFRIES Kantor, Mohai

717 Interdisc Prob Solv 3.00 ADVISORY
32526 PD LAB 002 W 315-415PM 0220 JEFFRIES Kantor, Mohai

717 Interdisc Prob Solv 3.00 ADVISORY
31277 P R REC 001 M 9-12PM 2228 SEB Miller
Crosslisted with Psych 708.
advance a solution that accounts for multiple, geographically-concentrated pollution sources and promotes environmental justice for all Michigan residents.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

717 Interdisc Prob Solv 3.00 ADVISORY
32540 PD LAB 004 W 315-415PM ARR Gray, Carr
15 N

717 Interdisc Prob Solv 3.00 ADVISORY
32540 PD LAB 004 W 430-630PM 1060 JEFFRIES
15 N

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). The U.S.' unemployment insurance (UI) system faces challenges, including outdated eligibility requirements, fallout from the financial crisis, and insufficient funding. Students will study UI system vulnerabilities and explore novel federal public policy and financing strategies to develop a plan to improve and modernize the UI safety net, drawing on insights from law, public policy, business, social work, economics and other relevant fields.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

737 Topics Educ Studies 1.50-3.00 ADVISORY
22974 P SEM 001 M 9-12PM 2225 SEB Peurach
20 N

Social Networks Analysis
Contemp Iss in Ed&Eval Imprmnt

Meet with EDUC 570-002.

761 P S E Complex Org 3.00 ADVISORY
31498 P SEM 001 W 4-7PM ARR Bastedo
20 N

769 Philanthropy & HE 3.00 ADVISORY
19723 P SEM 001 M 4-7PM ARR Burkhardt
40 N

Graduate standing

771 Topics High&Cont Ed 1.50-3.00 ADVISORY
31480 P SEM 001 T 9-12PM 2310 SEB Kleinman
25 N

Panal Data&Event Hist Method
Educational Tech and Policy

Survey Meth for Prog Assessmnt

777 Admin Practicum MA 1.50-3.00 ADVISORY
18000 P SEM 001 TH 1-4PM 2229 SEB Madden
25 N

Prereq: Higher Ed MA student.

Meet with EDUC 831-001.

782 Stdy Math Thnk&Lrn 3.00
32944 P SEM 001 M 4-7PM 4212 SEB Herbst
13 N

Concur reg in EDUC 792-003.

793 Intr Quant Meth Res 3.00 ADVISORY
17920 P LAB 002 TH 10-12PM 2302 SEB Ion
20 Y

Concur reg in EDUC 793-001 lecture. 1st year Ph.D. students have priority. Open to ES and CSHPE students.

18024 PD LAB 003 TH 1-3PM 2302 SEB Henderson
20 Y

Concur reg in EDUC 793-001 lecture. 1st year Ph.D. students have priority. Open to ES and CSHPE students.

17919 A LEC 001 T 1-4PM 2229 SEB Bahr
1st year Ph.D. students have priority. Open to ES and CSHPE students.

Students are auto-enrolled in Lec 001 when they elect Lab 002 or Lab 003.

794 Quant Mth Caus Anls 3.00 ADVISORY, ENFORCED
20850 P R LEC 001 TTH 1-220PM 1110 WEILL Neggars
55 Y

Meets with PUBPOL 639-001. For Education PhD students only. Prerequisite EDUC 793 or equivalent.

798 Tchg Apprenticeship 1.00-3.00 ADVISORY, ENFORCED
28580 P R LEC 001 TTH 10-12PM 2328 SEB Arr
25 N

799 Cat&Ltd Depndt Var 3.00 ADVISORY, ENFORCED
28386 P R SEM 001 T 1-4PM 2328 SEB Oster
25 N

831 Thr&Res Lrn&Inst Sc 3.00

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## Engineering

NOTE: THE PHRASES 'OR EQUIVALENT,' 'PERMISSION OF INSTRUCTOR,' OR 'PERMISSION OF DEPARTMENT' MAY BE CONSIDERED AN IMPLICIT PART OF THE PREREQUISITE FOR ALL COURSES IN THE COLLEGE OF ENGINEERING.

### Aerospace Engineering

**Aerospace Engineering (AEROSP) Open Sections**

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Please contact the instructor for consent to enroll (cesnik@umich.edu)

Please contact the instructor for consent to enroll (cesnik@umich.edu)

**U of M Open Classes Only Schedule of Classes**

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### Biomedical Engineering

#### Biomedical Engineering (BIOMEDE) Open Sections

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<td></td>
<td>4.00</td>
<td>ENFORCED</td>
<td>Aguilar, Wrobel, Chen, Tattneni, Vita, Zhao</td>
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Students may be dropped from the course for non-attendance on the first class day.

| 231  | Intro Biomechanics           | 4.00 | ENFORCED | Weiland, Tracey, Arimoto, Wang | 84 | Y |
| 241  | BiomedE Ug Lab               | 4.00 | ENFORCED | Weiland, Tracey, Arimoto, Wang | 84 | Y |
| 331  | Intro Biofluid Mech          | 4.00 | ENFORCED | Weiland, Tracey, Arimoto, Wang | 84 | Y |

### Notes:
- Students may be dropped from the course for non-attendance on the first class day.
- Lab sections meet six times in the semester, starting week of October 23, skipping week of 11/20 (Thanksgiving) and ending after the week of December 4.

- Students may be dropped from the course for non-attendance on the first class day.

Lab sections meet six times in the semester, starting week of October 23, skipping week of 11/20 (Thanksgiving) and ending after the week of December 4.
### Course Details

**Business of Biology**

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**BIOMEDE 523 is cross-listed with HMP 630, PHRMACOL 620, BE 518, & ENGR 523. This class meets on four Thursday evenings from 5:30 pm - 8 pm in addition to Monday/Wednesday mornings. The Thursday meeting dates for 2017 are 9/7, 9/21, 9/28, and 10/12.**

**Ethics & Enterprise**

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**Med Rad Hlth Eng**

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**M S Thesis**

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BME Grad Innov Design Team I
Pleasing NOTE that this year-long (Fall and Winter) class is required for the Medical Product Development concentration.

**Prof Skills for Grad Success**

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**Instrucntl Innovatn Incubator**

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**Systems Biology of Human Disea**

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**Diss-Cand**

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# Chemical Engineering Department

## Chemical Engineering (CHE) Open Sections

--MANY COLLEGE OF ENGINEERING COURSES REQUIRE STUDENTS NOT ENROLLED IN BUSINESS ADMINISTRATION OR ENGINEERING (INCLUDING CCS MAJORS) TO PAY A $115-207 COMPUTER USER FEE. THIS IS A SPECIAL FEE, TO BE PAID ONLY ONCE EACH TERM, AND IS IN ADDITION TO THE INFORMATION TECHNOLOGY ACCESS FEE PAID BY FULL TIME STUDENTS AS PART OF THEIR REGULAR FEE ASSESSMENT. YOU WILL BE INFORMED ON THE FIRST DAY OF CLASS WHETHER OR NOT YOUR CLASS IS SUBJECT TO THIS FEE.

<table>
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Students are auto-enrolled in lecture when they elect a discussion. Due to high course enrollment numbers only undeclared and ChE students will be allowed into this class.

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Students are auto-enrolled in lecture when they elect a discussion.

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The goals of this course are to help students hone and enhance their problem solving, critical thinking, creative thinking, and troubleshooting skills and to ease the transition from college to the workplace. Topics include structured critical reasoning, Kepner-Tregoe analysis, Duncker Diagrams, vertical and lateral thinking and Futuring. The students will work in teams to apply the principles they learn in the course to work with a local business to find and solve problems in their operations. The graduate course (ChE 598) will also require of prospectus of a potential client for the next course offering. The course syllabus can be obtained by sending an email message to lauradb@umich.edu

<table>
<thead>
<tr>
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Students are auto-enrolled in lecture when they elect a lab.

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Students are auto-enrolled in lecture when they elect a lab.

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Molecular Eng of Nanomaterials

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Undergraduate Degree in Chemical Engineering or permission of instructor:
# Civil & Environmental Engineering (CEE) Open Sections

## Civil & Environmental Engr

### Civil And Environmental Engineering (CEE) Open Sections

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Environmental Finance: Financing Green Growth Through Sustainable Investment and Financial Technology. This course will review innovations in the capital markets to drive Environmental Finance across all asset classes and investment vehicles. It will examine how established practices, procedures and tools from within the mainstream financial market are being adapted to address sustainability from both an investor and corporate perspective. The course will further explore how new entrepreneurial ventures are starting to disrupt the environmental finance environment, using fintech and blockchain applications.

Presentation and discussion of selected topics relating to construction engineering and management practice and research by invited lecturers.

Environmental Finance

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Presentation and discussion of selected topics relating to construction engineering and management practice and research by invited lecturers.
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### CoE Robotics Institute

#### Robotics (ROB) Open Sections

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To request an override, a student must enter the waitlist and submit a request to the ROB Override System at https://deptapps.engin.umich.edu/rob/override

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Please note the morning section is reserved for Robotics MS and PhD students. To request an override, a student must enter the waitlist (if the system allows) and add their name to the ROB 550 Waitlist form: https://goo.gl/forms/9DPPQnDZRZTGw61R2

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U of M Open Classes Only Schedule of Classes Page 32 of 413 FA 2019 2260 04-01-2019 12:04 21251132
## Design Science Program

### Design Science (DESCI) Open Sections

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Non Design Science students interested in DESCI 501 MUST add themselves to the waitlist. If you have questions, please email gailcarr@umich.edu.

Class will meet in 165 CHRYSLER.

First-yr students: 1 credit; Second-yr students: 2 credits; Third-yr+: 1 or 2 credits.

990  | Diss Pre-Cand                | 1.00| ADVISORY     |         | 25         | N  |
| 995  | Diss-Cand                    | 8.00| ADVISORY     |         | 25         | N  |
|      | IND +                        |     |              |         |            |    |
|      | ARR                          |     |              |         |            |    |
### EER-Engineering Education Research

#### Engineering Education Research (EER) Open Sections

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# Environmental Sciences and Engineering

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Electrical Engr & Computer Sci

Electrical Engineering And Computer Science (EECS) Open Sections

IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS MAY BE REGISTERED OFFICIALLY FOR A COURSE, THE ELECTRICAL ENGINEERING AND COMPUTER SCIENCE DEPARTMENT MAY GIVE AWAY A STUDENT'S PLACE IN A CLASS IF THEY DO NOT ATTEND THE FIRST WEEK OF LECTURES AND LABS/DISCUSSIONS (AS APPROPRIATE) FOR ANY EECS COURSES.

AT THE SAME TIME, THE EECS DEPARTMENT IS NOT OBLIGATED TO WITHDRAW STUDENTS OFFICIALLY FROM THE COURSE, EVEN THOUGH THE STUDENT HAS BEEN INFORMED THAT HIS/HER PLACE IN A COURSE HAS BEEN TAKEN AWAY. STUDENTS ARE RESPONSIBLE FOR THE ACCURACY OF THEIR SCHEDULES AND MUST BE SURE THAT ALL DROPS ARE PROCESSED THROUGH THE REGISTRATION SYSTEM DURING THE NORMAL DROP/ADD PERIOD.

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STUDENTS MUST ELECT LAB AND LECTURE SECTIONS.

281 Data Structs & Alg 4.00 ENFORCED

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STUDENTS MUST ELECT LAB AND LECTURE SECTIONS.

22980 | S R LEC 001  | TTH | 9-1030AM | 1670 BEYSTER | Darden |
| 19643 | S R LEC 002  | TTH | 1030-12PM | 1610 IOE | Paoletti |
| 22672 | S R LEC 004  | TTH | 130-3PM | 1610 IOE | Paoletti |
| 27468 | S R LEC 005  | TTH | 430-6PM | 2505 GGBL | Garcia-Ramirez |

STUDENTS MUST ELECT LAB AND LECTURE SECTIONS.

285 Practical Prog Java 2.00 ENFORCED

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JAVA.

301 Probabil Mthd in Eng 4.00 ADVISORY

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STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

22373 | A LEC 001  | MW | 9-1030AM | 1200 EECs | Stark |

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STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

| 26728 | S R LEC 001 MW 1030-12PM 1500 EECS |    |        |         |            |    |
| 23883 | S R LEC 002 MW 12-130PM STAMPS     |    |        |         |            |    |
| 22351 | S R LEC 003 MW 3-430PM 1500 EECS   |    |        |         |            |    |

STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

| 27320 | P R LAB 011 F 1230-130PM 2166 DOW   |    |        |         |            |    |
| 24348 | P R LAB 012 F 1230-130PM 2166 DOW   |    |        |         |            |    |
| 22389 | P R LAB 013 F 1230-130PM 2166 DOW   |    |        |         |            |    |
| 25449 | P R LAB 014 F 1230-130PM 2166 DOW   |    |        |         |            |    |
| 22354 | P R LAB 015 F 1230-130PM 2166 DOW   |    |        |         |            |    |
| 25450 | P R LAB 016 F 1230-130PM 2166 DOW   |    |        |         |            |    |

STUDENTS MUST ELECT LAB AND LECTURE SECTIONS. Course will open to EE UG and ECE Grad who meet course prerequisites on Friday, April 19, 2019.

| 25283 | S R LEC 003 TTH 430-6PM 1500 EECS  |    |        |         |            |    |
| 398   | Special Topics 1.00-4.00 ADVISORY   |    |        |         |            |    |
| 32184 | P R LEC 001 TTH 3-5PM 1200 EECS    |    |        |         |            |    |
| 32690 | A R LEC 002 TH 3-5PM 2238 SRB     |    |        |         |            |    |

STUDENTS MUST ELECT LAB AND LECTURE SECTIONS. Course will open to EE UG and ECE Grad who meet course prerequisites on Friday, April 19, 2019.

| 32691 | P LAB 021 T 1-4PM 3437 EECS        |    |        |         |            |    |
| 32690 | A R LEC 002 TH 3-5PM 2238 SRB     |    |        |         |            |    |

STUDENTS MUST ELECT LAB AND LECTURE SECTIONS. Course will open to EE UG and ECE Grad who meet course prerequisites on Friday, April 19, 2019.

| 402   | Prog for Sci&Eng                      |    |        |         |            |    |
| 29080 | P R DIS 011 F 12-130PM 1109 FXB      |    |        |         |            |    |
| 29082 | P R DIS 012 TH 3-4PM 550 DENT        |    |        |         |            |    |

STUDENTS MUST ELECT LAB AND LECTURE SECTIONS. Course will open to EE UG and ECE Grad who meet course prerequisites on Friday, April 19, 2019.

| 411   | M-Wave Circ I                        |    |        |         |            |    |
| 10407 | P R LAB 011 M 530-830PM 3341 EECS    |    |        |         |            |    |
| 10405 | P R LAB 012 TH 9-12PM 3341 EECS      |    |        |         |            |    |
| 17543 | P R LAB 013 TH 530-830PM 3341 EECS   |    |        |         |            |    |

STUDENTS MUST ELECT LAB AND LECTURE SECTIONS. Course will open to EE UG and ECE Grad who meet course prerequisites on Friday, April 19, 2019.

| 414   | Intro to MEMS                        |    |        |         |            |    |
| 16593 | A R LEC 001 MW 1130-1PM 1311 ECE     |    |        |         |            |    |

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

| 399   | Directed Study                       |    |        |         |            |    |

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

| 411   | Monolith Amp Circ                    |    |        |         |            |    |
| 16665 | P R LAB 011 M 6-9PM ARR             |    |        |         |            |    |
| 16666 | P R LAB 012 T 3-6PM ARR             |    |        |         |            |    |

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A LAB.

| 414   | Intro to MEMS                        |    |        |         |            |    |
| 16133 | P R DIS 011 F 130-230PM 3150 DOW    |    |        |         |            |    |

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Students who meet course prerequisites on Friday, April 19, 2019, may request an override at CSE Override System at https://deptapps.engin.umich.edu/cse/override. Undergraduates may request an override.
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**Student Information:**

- Students are auto-enrolled in lecture when they elect a laboratory.
- Students seeking an override must apply for such through the ECE Override System at https://deptapps.engin.umich.edu/ece/override. This includes waitlisted EECS students, as well as non EECS students who are not eligible for the waitlist.

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  - **PREREQ:** ENFORCED

- **Course Title:** Wireless Comm Sys
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  - **PREREQ:** ADVISORY, ENFORCED

- **Course Title:** Biomed Instrum Des
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- **Course Title:** Power Sys Deg&Oper
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- **Course Title:** Autonomous Robotics
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- **Course Title:** Intro to Algorithms
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STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A LAB. Course will open to EE UG and ECE Grad who meet course prerequisites on Friday, April 19, 2019.

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STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION. Course will open to EE UG and ECE Grad who meet course prerequisites on Friday, April 19, 2019.
Course prerequisites on Friday, April 19, 2019.

**496** Major Design/Prof

15488 P R LEC 001 F 230-430PM STAMPS Bertacco

Course will open to EE UG and ECE Grad who meet course prerequisites on Friday, April 19, 2019.

**497** Major Des Projects

27031 P R LEC 001 MW 12:30-230PM 1017 DOW Ringenberg

Students who do not meet major restrictions can request permission for this course on or after Friday, April 19, 2019 through the CSE Undergraduate Advising Office.

**498** Special Topics

29389 P R LEC 001 MW 130-3PM 1690 BEYSTER Mars

Conversational AI

"4 CREDITS for Lec 001" ; Prerequisites for Lec 001 EECS 280, EECS 281. Course will open to EE UG and ECE Grad who meet course prerequisites on Friday, April 19, 2019.

**499** Adv Directed Study

R IND + ARR ARR 1.00-4.00 ADVISORY, ENFORCED

**501** Pbr&Rand Proc

16715 P R DIS 011 T 330-5PM 1303 EECS

**505** Comp DS & ML

31893 P R DIS 011 M 4-5PM G390 DENT

**509** BIOMEMS

31898 P LEC 001 T 130-3PM 3433 EECS

**516** Med Imag Sys

10435 P LEC 001 TTH 330-5PM 1311 EECS

**517** Proc Plasma

31899 P LEC 001 MW 9-1030AM 1008 EECS

**520** Solid State Physics

19321 P DIS 011 T 430-530PM 2147 GGBL

Students are auto-enrolled in lecture when they elect a discussion.

**523** Digital Integ Tech

19180 P LEC 001 TTH 1-3PM 1123 LBME

**529** Semi Lasers & Leds

22991 P LEC 001 TTH 1030-12PM 3433 ECE

Enrollment in EECS 551 will be by override only and limited to around 60, with priority to ECE SIPML students and others in closely related tracks. Other students are encouraged to enroll in EEC 505, which offers similar material on the accompanying computational mathematics. Credit cannot be received for both EECS 551 and either EECS 598, Section 003, Fall 2018 or the Winter 2018 EECS 598, Section 009 or 598, Section 16, Winter 2019. To request an override into 551, a student must enter the waitlist and submit a request using the ECE override system at https://deptapps.engin.umich.edu/ece/override.

**544** Anlys Soc Networks

29182 P LEC 001 MW 12-130PM ARR

**547** Electronic Commerce

32569 P LEC 001 MW 9-1030AM 2245 NQ Schoenebeck

**549** Informatn Retrieval

27052 P LEC 001 W 430-730PM 1255 NQ

**550** Information Theory

16595 P LEC 001 TTH 130-3PM 3427 EECS

**551** Matrix Meth Sig Proc

U of M Open Classes Only Schedule of Classes Page 44 of 413 FA 2019 2260 04-01-2019 12:04 21251132
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# Engineering Undergraduate Educ

## Engineering (ENGR) Open Sections

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U of M Open Classes Only Schedule of Classes Page 46 of 413 FA 2019 2260 04-01-2019 12:04 21251132
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STUDENTS ELECTING DIS 152 OR 154 WILL BE AUTO-ENROLLED IN LEC 150 AND THE CORRESPONDING LAB.

STUDENTS ELECTING LAB (010-019) WILL BE AUTO-ENROLLED IN LEC 001.

STUDENTS ELECTING LAB (020-029 & 039) WILL BE AUTO-ENROLLED IN LEC 002.

STUDENTS ELECTING LAB (030-038) WILL BE AUTO-ENROLLED IN LEC 003.
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Honors Seminar I

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**Please note:** This class meets ONLY on the following dates: September 5, September 26, October 10, October 17, October 24, November 28. Mark your calendars now.
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**Entrepreneurship (ENTR) Open Sections**

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Hardware/Coding, IoT

***Class will meet in ATL 2, on the third floor of the Duderstadt Center.

* Students from ALL schools and colleges may take this course.

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U of M Open Classes Only Schedule of Classes Page 55 of 413 FA 2019 2260 04-01-2019 12:04 21251132
In this lab, you'll design, prototype, and make Internet of Things (IoT) devices to learn the basics of micro controllers in a hands-on way. You'll also collaborate with others across disciplines to develop your own hardware- and IoT-based entrepreneurial ideas.

Learning Objectives: Students will: develop a basic understanding of coding and electronics; utilize sketching to express, develop, and communicate design ideas; create functional prototypes through engagement in the design process; employ an iterative design approach, integrating concepts from the lecture to develop their final projects; apply a variety of methods for documenting and communicating the progress of their designs.

3D Printing/Prototyping
***Class will meet in Design Lab 1, on the first floor of the Duderstadt Center.

In this lab, you’ll learn how to operate and design for 3D printing machines such as the PrintrBot Play and Form 2. You’ll learn CAD using Autodesk Fusion 360 and how to integrate 3D scan data into your designs. You’ll also learn how to use various Rapid Prototyping and Manufacturing (RP&M) applications such as slicers and inspection tools.

Learning Objectives: Students will develop the fundamental skills to operate and design for the additive manufacturing process (3D printing); learn how to operate various types of 3D printers to include the PrintrBot Play, and Form 2; learn AutoDesk Fusion 360, how to operate the Nextengine 3D Laser Scanner, and how to incorporate 3D scan data into one's design; utilize various Rapid Prototyping and Manufacturing (RP&M) applications to include slicers, and inspection tools.

Virtual Reality
***Class will meet in ATL 2, on the third floor of the Duderstadt Center.

In this lab, you’ll learn how to develop virtual reality content for the Oculus Rift and MIDEN using Unreal Engine and 3D Studio Max. You’ll also be introduced to asset creation (3D modeling with 3D Studio Max) and scene assembly / functionality by bringing assets into the Unreal Engine & creating interactive experiences through Unreal's Blueprint system. At the end of the class you’ll be capable of developing virtual reality experiences, simulations, and tools to address real-world problems.

Learning Objectives: Students will have an understanding of how to generate digital content for Virtual Reality platforms; be knowledgeable on versatile file formats, content pipelines, hardware platforms and industry standards; understand methods of iterative design and the creation of functional prototypes using this medium; employ what is learned in the lecture section of this course to determine what is possible, what is marketable, and what are the various distribution methods available within this platform; become familiar with documenting their design process and also pitching their ideas to others, receiving and providing quality feedback.

Intro to Entrepreneurial Des
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

* STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT THIS LAB.

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Are you:
* Designing doorknobs for a Mars colony?
* Tired of browsing crappy university web pages?
* Inventing the best app ever for the Nest or the Apple Watch?
* Have ideas and want to prototype them before the next pitch to investors?
* Wondering why you aren’t going to an online college instead?

Entrepreneurial Design is a cross-disciplinary course for current and aspiring designers, hackers, and makers. This gateway entrepreneurship course allows students to build foundational knowledge of entrepreneurial design with the opportunity to apply these skills in a hands-on lab (ENTR 390.008 - 010).

Learning Objectives: Students will train in patterns of thought that help them anticipate and drive innovations in technology, business, policy; train in advanced and powerful inventing / problem identification and solving methods; earn to identify and meet customer/user needs and wants (i.e.: building stuff you and others actually want to use and buy); obtain practical building skills in a specific digital, physical, or combination platform (i.e.: showing how something works is more effective than just telling stories about it).

25320 P  LEC 011 T 6-8PM B3560 BUS Narayan 48 Y
E-Commerce Entrepreneurship
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

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In this course, you'll learn how to start your own profitable business selling consumer products online. We'll also cover the potential pitfalls to stay away from and analyze other e-commerce businesses.

Learning Objectives: Students will be able to present a turnkey business with a functioning website, product photos/videos, sourcing plan, shipping/fulfillment plan, and advertising plan.

25596 P  LEC 012 M 7-9PM B1570 BUS 45 Y
Digital Product Design
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

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In this course, you'll learn the total end-to-end process of discovering a digital product need, prototyping a digitized product and getting feedback to relentlessly improve it. In doing so, you'll be a part of creating the next generation of products that disrupts the economy and reinvents the ways we live - from how we learn and exercise, to how we socialize and get around.

Learning Objectives: Students will learn how to: use design thinking to discover problems worth solving, generate and prototype solutions, and test with real users; design own product(s) by creating wireframes, interactions, and visual designs; use typography, color, shape, space - and industry-standard tools like Sketch, Invision, etc - to build designs that are attractive, simple, and functional; solicit constructive feedback, critique design work, and substantiate criticism; discuss topics in the design world, including usability, user experience design, interface design, and research.

25678 PI LEC 013 T 4-6PM 151 CHRYS Ellis 28 N
TechLab MCity
***FA18 Course meets 3rd floor of N. Campus Duderstadt Center, Rm 3358B***

* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

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In this course, you’ll be responsible for completing an open-ended autonomous vehicle or mobility project (assigned by a company in the autonomous vehicle/mobility space), and as such gain experience in developing cutting edge technology for an early stage startup.

This course is only available to students enrolled in the TechLab at Mcity Program. Only students who are selected for the TechLab at Mcity Program will be granted permission to enroll. To apply go to http://cfe.umich.edu/techlab-mcity/

Learning Objectives: Students will know how to recognize ambiguity, become comfortable with it, and use project management techniques to plan for the unexpected; utilize project management tools, techniques, and skills; understand assigned company's technology and how it creates value for a customer segment; gain exposure to
entrepreneurship and its role in solving big problems; align resources for effective project implementation;
appreciate organizational dynamics, communication strategies and stakeholder motivations; identify and utilize key
performance metrics for project success; learn to assume responsibility for matters of great importance to assigned
company; begin to make transition from student to professional engineer; engage in collaborative learning; immerse
themselves in a startup that is developing cutting edge technology for the transportation industry; lead technical
and strategic discussion on steps required to achieve technical milestones; discuss a Tech Lab company's work
during class discussion and how it relates in the context of class.

DE&I in Entrepreneurship
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree should be directed to your home department.

It's been shown that diversity drives creativity and innovation, makes teams smarter and more effective, and leads
to better outcomes for organizations. Leaders who prioritize inclusivity also know how to leverage talents, skills,
and knowledge to make an impact and achieve their goals. Throughout the semester, you will develop the knowledge
necessary to create workplaces and communities that value DEI by building on UM's current efforts, and further
launch yourself and your entrepreneurial endeavors with a stronger DEI mindset. The skills gained in this course will
serve you well as current students and help you be an agent of change in your future careers.

Entrepreneurship Hour
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be
directed to InnovateBlue or your home department.

In this course, you'll be exposed to disruptive, influential and respected entrepreneurs, venture capitalists and
business leaders and learn about their personal experiences founding, financing and managing a startup venture.
This seminar series is designed to expose students to entrepreneurship through interaction with experienced
entrepreneurs, business leaders, and venture capitalists as well as individuals involved in emerging business
disciplines, new venture creation, and technology commercialization. While covering a broad set of engineering
disciplines, guest speakers will share their knowledge on the latest, most diverse practices on legal, financial,
and other innovation issues. The lectures include leading entrepreneurs and executives, technology innovators,
experts from the financial markets, and others who support the entrepreneurial infrastructure. Following these
seminars, students will be able to meet the guest speakers along with other members of the entrepreneurial
community.

Patent Law
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be
directed to InnovateBlue or your home department.

In this course, you'll gain an overview of intellectual property (IP) law with a focus on patent law. You'll learn
the fundamentals and leave the class able to identify patentable ideas and possible infringement issues in order to
create an IP strategy.

Inventors and entrepreneurs have four concerns related to patent law:
1. protecting inventions during product development
2. determining invention patentability
3. avoiding infringement
4. leveraging a patent as a business asset
This course addresses these concerns through the application of case law and business cases to an invention of a
student's choice.

Finding Your Venture
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be
directed to InnovateBlue or your home department.
In this course, you'll learn how to dramatically simplify the business creation process by radical prioritization, identifying good opportunities and learning when to walk away from a bad one, and learning that it is possible, and actually very common, to be a moderately successful non-famous entrepreneur.

It's hard to start a company, but it doesn't have to be complicated. This course dramatically improves your odds of starting a viable business by providing a framework for identifying large, attractive opportunities. Every student will leave with a viable business opportunity to pursue and a set of valuable and repeatable skills that will be an asset in any entrepreneurial setting.

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* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

In this course, you'll be immersed in the entrepreneurial process in a supportive classroom environment. You'll learn how to critically evaluate then pursue the development of your own ideas for new ventures by working closely with entrepreneurship faculty and mentors.

Learning Objectives: Students will experience entrepreneurship firsthand; Understand and experience the mindset of an entrepreneur; Develop the ability to share the story of your entrepreneurial pursuits and clearly articulate customer needs, value proposition, customer segments, and value-adding solutions; Learn to go from idea phase to action and implementation, including validation through sales; Learn the customer discovery process of gaining empathy, understanding customer needs and wants, getting feedback from customers, prototyping solutions, and testing a value proposition; Actively practice exercising the customer discovery process; Become familiar with the process of starting a business; Learn problem solving in a team-based environment.

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* Students from ALL schools and colleges may take this course.

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* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

In this specific section you'll gain the skills you need to develop a technology company. Specifically, you'll apply the scientific method and lean startup principles to designing a business that is sustainable, scalable, and repeatable.

Learning Objectives: Students will experience entrepreneurship firsthand; Understand and experience the mindset of an entrepreneur; Develop the ability to share the story of your entrepreneurial pursuits and clearly articulate customer needs, value proposition, customer segments, and value-adding solutions; Learn to go from idea phase to action and implementation, including validation through sales; Learn the customer discovery process of gaining empathy, understanding customer needs and wants, getting feedback from customers, prototyping solutions, and testing a value proposition; Actively practice exercising the customer discovery process; Become familiar with the process of starting a business; Learn problem solving in a team-based environment.

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testing a value proposition; Actively practice exercising the customer discovery process; Become familiar with the process of starting a business; Learn problem solving in a team-based environment.

Entrepreneurship Practicum

* This section of ENTR 411 focuses on technology commercialization. Students who are "not" from the College of Engineering need instructor consent to take this section of the course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

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Entrepreneurial Marketing

* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

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In this course, you'll learn how to build a "lean" marketing plan that will maximize your chance of successfully growing a new concept from an idea to a product to a repeatable and scalable business with little or no resources in an ever-changing environment.

Learning Objectives: Students will learn about the development of a market-based orientation for a start-up company; Students will learn about the creation of a marketing plan for a new venture; Topics and concepts will include knowing one's customers, discovering if anyone want the product, how to articulate one's value proposition, marketing segmentation and targeting, customer discovery research, maintenance and growth of a customer base, distribution channels and partners, pricing and revenue, marketing metrics/testing/iteration; Students will create an entrepreneurial marketing plan.

Entrepreneurship Hr Discussion

* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

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In this course, you'll talk 1:1 with disruptive, influential and respected entrepreneurs, venture capitalists and business leaders about their personal journey of founding, financing and managing their ventures.

Learning Objectives: Students will connect topics gleaned from the gateway ENTR 407 class in order to continue dialogue about the lecture series presentation and/or with the guest speaker her/himself; Make use of outside readings and engage in in-class activities; Develop an entrepreneurial mindset and apply this mindset to future studies and/or career aspirations; Reflect on entrepreneurship and how it applies to their life goals.

Urban Entrepreneurship

* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.
In this course, you'll learn how to engage a community to identify an important problem and design a sustainable business model that solves it. Whether you're designing the school lunch of the future or the successor to Uber, you're in for a challenging and rewarding experience. Throughout the course, the city of Detroit is referenced to further explore practices and policy surrounding urban entrepreneurship.

Learning Objectives: Students will clearly understand the definition of "urban entrepreneurship", and how urban-focused businesses compare to others; Learn to effectively analyze and compare the business models of urban-focused ventures; Engage the community on multiple levels to ascertain and prioritize needs; Capture an identified community need in a well-defined problem statement; Understand and apply "design thinking" to formulate potential solutions for the identified problem; Identify a scalable, for-profit business opportunity to implement the proposed solution; Develop a business model that will effectively document the business opportunity; Apply Customer Discovery and Human Centered Design methods to test and refine the business model; Understand the processes required to form, finance, and begin execution of a new business venture; Learn to effectively pitch the venture to prospective co-founders, investors employees, and others.

Leadership in Startups
* Students from ALL schools and colleges may take this course.

Entrepreneurial Action & Vision
***Class will meet in DC 3358 B, on the third floor of the Duderstadt Center.

In this course, you'll learn about vision, culture, storytelling, mission, strategy development, the role of the CEO, the difference between the CIO and the CEO, communicators, hiring / firing and operations and management. You'll broaden your perspective of how to get a startup going, scaled, and funded.

Learning Objectives: Students will be introduced to the fundamentals of how to identify their own values and leadership style and build a complimentary team to support that style; Acquire best practices for handling team recruiting, management, incentives, conflict resolution, and pathways to success; Differentiate between high functioning and poor performing teams; Develop an understanding of key factors that enhance or diminish the likelihood of team success; process, communication, delegation and accountability; Understand team dynamics in a typical entrepreneurial "start-up" environment.

Entrepreneurial Action & Vision
***Class will meet in DC 3358 B, on the third floor of the Duderstadt Center.

In this course, you'll receive hands-on training, access to experience entrepreneurs, and a paid summer internship. This course is only available to students enrolled in the Entrepreneurs Leadership Program. For more information, visit http://cfe.umich.edu/elp

Learning Objectives: Students will receive practical, hands-on learning assignments to develop their skills in areas of individual leadership, operations, innovation, and execution with an emphasis on these four areas/objectives. 1. Understanding startups: We will learn about startups through case studies and studying other key principles 2. Industry Assessment: We will gain deeper understanding of specific industries through a variety of research and analysis approaches. 3. Opportunity Identification: Building on the foundational knowledge of startups and industries, we will work to identify opportunities for innovation. 4. Validation: After identifying innovation opportunities, we will actively test approaches, ideas, products, and services to develop those opportunities.

Learning Objectives: Students will be able to: Describe the value proposition and customer segment for either their own research, favorite product, or service. Draw a value chain map and an eco system map. Complete the revenue model, value proposition, channels, customer segments of the business model canvas. Complete the left hand side of the business model canvas. Enter concise descriptions of the cost structure plus key partnerships, resources, and activities. Conduct customer discovery interviews. Name at least five regulatory agencies, code and/or standards, and certifications. Compare two competing business models from a given market segment and determine how technology and innovation was used by a startup to displace an established business. Define a patent in their own words. Explain two major differences between each of the following: trade secret, patent, trademark, and copyright. Generate a Gantt chart. Generate a simple budget. Generate a 30 second elevator pitch. Analyze conflicts and summarize the issue, people involved, final resolution. Learn how stock options work.
Interpersonal Skills

* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree should be directed to your home department.

Do people sometimes or often surprise, irritate, or enrage you? Looking back over the last year, can you think of a time you "lost control" or would like a "do over?" By building your self awareness and Emotional Intelligence, you can gain insight, self control, and produce consistently positive results for yourself and others.

Theories of leadership will be discussed and unpacked, with the intent of more fully understanding sources of leadership power and the positive and negative aspects of various leadership styles. The course will also require students to apply their developed understanding to various case studies, scenarios, and projects. While not focusing explicitly on business practices and entrepreneurial activities, the entire course will be grounded in this field and will rely heavily on tying in the real world experiences of students and instructor to maximize the future applicability of what is learned.

Successful project managers and consultants possess the skills necessary to manage their teams, clients, activities, schedules, risks, communications and resources to produce desired outcomes. This course introduces the tasks and challenges fundamental to project management, the vital function of managing complex projects; and consulting, the business of giving expert advice.

Learning Objectives: Upon completion of the course, students should be able to: understand the key elements of project management & consulting, which includes: Sell, Engage, Scope, Plan, Research, Innovate, Decide, Manage, Change Management, Close. Manage a project from beginning to end.

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Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses
* Questions as to whether this course will count toward your degree should be directed to your home department.

Students from ALL schools and colleges may take this course.

In this course, you will come to recognize the unique contribution designers provide as one of several integral components necessary for a successful venture or team. Because creativity and design intersect the product development process at many junctures, you will gain valuable insights making you an effective contributor to an existing venture, startup idea, and future projects. Whether you have a technical or non-technical background, becoming more knowledgeable about the complexities related to the product design process will help you become a more collaborative teammate, leader, follower and problem solver.

Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses
* Questions as to whether this course will count toward your degree should be directed to your home department.

It's been shown that diversity drives creativity and innovation, makes teams smarter and more effective, and leads to better outcomes for organizations. Leaders who prioritize inclusivity also know how to leverage talents, skills, and knowledge to make an impact and achieve their goals. Throughout the semester, you will develop the knowledge necessary to create workplaces and communities that value DEI by building on UM's current efforts, and further launch yourself/your entrepreneurial endeavors with a stronger DEI mindset. The skills gained in this course will serve you well as current students and help you be an agent of change in your future careers.

University Arts (UARTS) Open Sections

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* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses
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Industrial-Operations Engr Dep

Industrial And Operations Engineering (IOE) Open Sections

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Integrative Systems and Design

Automotive Engineering Program (AUTO) Open Sections

501  Integ Veh Syst Dsgn  3.00  ADVISORY
17484  P  LEC 001  F  1230-330PM  165 CHRYS  Bell IV, Tao
503  Auto Eng Project  3.00-4.00  ADVISORY
533  Adv Energy Solutions  3.00  ADVISORY
21452  P R  LEC 001  TTH  1030-12PM  165 CHRYS  Wooldridge
Graduate students should enroll in AUTO 533-001 this fall, per the professor. Undergraduates should enroll in ME433-002. Any override requests should be sent to me-aso@umich.edu.

Energy Systems Engineering Program (ESENG) Open Sections

501  Sem Energy Tech Pol  3.00  ADVISORY
19271  P  SEM 001  W  6-9PM  165 CHRYS  Linic
503  Energy Systems Proj  3.00  ADVISORY
505  Energy Gen & Storage  3.00  ADVISORY
32574  P  LEC 001  F  930-1230PM  ARR  Linic
599  Energy Sys Spec Topc  3.00  ADVISORY
24427  P  LEC 003  MW  12-130PM  ARR  Lastoskie
Greenhouse Gas Control
Greenhouse Gas Control
This course presents a review of strategies for the reduction of greenhouse gas (GHG) emissions in power generation, transportation, and the built environment. Sources, discharges, and physical properties of GHGs are surveyed, and technologies for GHG elimination or sequestration are discussed. Policy options for GHG control are considered.

Financial Engineering Program (FINENG) Open Sections

590  Ind St or Research  1.00-3.00  ADVISORY
599  Spec Topics in ISD  3.00
30021  P  LEC 006  TTH  1030-12PM  165 CHRYS  Hu

Integrative Systems and Design (ISD) Open Sections

503  ISD Practicum  3.00-9.00  ENFORCED
22564  P R  LEC 001  TTH  12-130PM  151 CHRYS  Bordley
This course was offered in previous terms as ENGR 500.059. All registrations for Fall 2013 for that course will automatically be transferred to ISD 520.
528  Adv Design for mfg  3.00  ADVISORY
29730  PD  LEC 001  TTH  12-130PM  165 CHRYS  Saitou
29731  P  LEC 881  TTH  12-130PM  165 CHRYS  Saitou
590  Directed Study&Res  1.00-3.00  ADVISORY
599  Veh Crash & Occup Protection  3.00
33021  P  LEC 006  TTH  1030-12PM  151 CHRYS  Hu

Robotics and Autonomous Vehicle Engineering (RAV) Open Sections

503  RAV Capstone Project  3.00

### Program In Manufacturing

#### Manufacturing (MFG) Open Sections

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This special section of MSE 220 is ONLY FOR FIRST AND SECOND YEAR STUDENTS. It will be a team based and project based version of the class where the first introduction to the material is NOT lecture, but rather annotated reading. Class time will consist of active learning activities. There will be three group projects in this class. Students will be required to purchase an electronic textbook via the Canvas site that will be live in August. Students will also be required to purchase a subscription to Learning Catalytics ($12). There are no other fees for the course. Homework is graded for effort and honesty - not accuracy. Quizzes are graded by averaging a closed book, closed notes, individual effort, with an open book, open internet, group effort. You will be rewarded for hard work and honesty on homework and exams without the angst of 100% summative assessment. Do not purchase the book at this time. More information will be available on the following website: https://java.engin.umich.edu/220F19/
### Course Schedule

**Course Title**

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**Instructor**

- Kioupakis
- Laine
- Kieffer
- Poudeu-Poudeu
- Shtein

**Location**

- 1006 DOW
- 2150 DOW
- 1018 DOW
- 3433 EECS
- ARR 1005 EECS
- 1013 DOW
- 1005 EECS

**Lab for MSE 562** will be held in the MC@ Center of NCRC North Campus Research Center Building 22.

**The Greatest Materials and Inventions Across Civilizations:**

- Stone, Ceramic, Bronze, Iron, Gunpowder, Concrete, Steel, Silicon? Materials that defined entire epochs. What do we know about humans? mastery of these materials? How did they change life? Why did they persist? What replaced them and why? Spears, Textiles, Canoes, Alphabet, Printing Press, Steam Engine, Internal Combustion Engine, Pneumatic Tire, Pencil, Telegraph, Electric Lights, Radio, Diode, Transistor, Fiber-optics, Corn Syrup, Syringe, Rockets, iPhone? Devices and constructs that leveraged materials and processes of the day to enable leaps in human capability. What problems were their inventors attempting to solve? What new businesses did they enable? What new problems did they create for humans?

**Research Problems**

- 1.00-16.00
- 1.00-8.00
- 8.00

**Enforced**

- 120 N
- 25 N
- 25 N

**Ind +**

- 25 N
- 25 N
- 25 N
# Mechanical Engineering (MECHENG) Open Sections

**Intro to Solid Mech**
- Course Code: ME 211
- Credits: 4.00
- Prerequisites: ENFORCED
- Schedule:
  - Section 404: W 230-330PM, 1010 DOW
  - Section 405: W 330-430PM, 107 GFL
  - Section 406: W 1030-1130AM, 1024 FXB
  - Section 407: W 1230-130PM, 1024 FXB
  - Section 408: W 130-230PM, 3150 DOW
  - Section 409: W 230-330PM, 1005 EECS

**Thermodynamics I**
- Course Code: ME 235
- Credits: 3.00
- Prerequisites: ENFORCED
- Schedule:
  - Section 70 Y: MWF 1-2PM, 2505 GGBL
  - Section 90 Y: MWF 11-12PM, 1670 BEYSTER

**Des & Mfg I**
- Course Code: ME 250
- Credits: 4.00
- Prerequisites: ENFORCED
- Schedule:
  - Section 16 Y: MW 930-1030AM, 1045 GGBL
  - Section 16 Y: MW 1030-1130AM, 1045 GGBL
  - Section 16 Y: MW 1130-1230AM, 1045 GGBL
  - Section 16 Y: MW 1230-130PM, 1045 GGBL
  - Section 16 Y: MW 130-230PM, 1045 GGBL

**Des & Mfg II**
- Course Code: ME 350
- Credits: 4.00
- Prerequisites: ENFORCED
- Schedule:
  - Section 16 Y: MW 1230-230PM, 1345 GGBL
  - Section 28 Y: M 1030-1230PM, 1345 GGBL
  - Section 28 Y: M 630-830PM, 1345 GGBL

**Mod&Cntrl Dyn Sys**
- Course Code: ME 360
- Credits: 4.00
- Prerequisites: ENFORCED
- Schedule:
  - Section 70 Y: TTH 830-1030AM, 1303 EECs
  - Section 64 Y: 3-5PM, 1005 DOW

**Mech Behav Matls**
- Course Code: ME 382
- Credits: 4.00
- Prerequisites: ENFORCED
- Schedule:
  - Section 90 Y: 9-1030AM, 2505 GGBL
  - Section 90 Y: 1030-12PM, 2505 GGBL

**ModRise 2**
- Course Code: ME 390
- Credits: 1.00-3.00
- Prerequisites: ADVISORY
- Schedule:
  - Section 25 N: TTH 9-1030AM, STAMPS

**Lab I**
- Course Code: ME 395
- Credits: 4.00
- Prerequisites: ENFORCED
- Schedule:
  - Section 12 Y: T 9-1130AM, 2351 GGBL
  - Section 12 Y: W 12-230PM, 2351 GGBL
  - Section 12 Y: T 230-5PM, 2351 GGBL
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Students are auto-enrolled in lecture when they elect a lab. Students are not permitted to take this course pass/fail. Prerequisites are enforced and must be met to enroll in this class.
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Naval Arch & Marine Dept
Naval Architecture And Marine Engineering (NAVARCH) Open Sections

-- MANY COLLEGE OF ENGINEERING COURSES REQUIRE STUDENTS NOT ENROLLED IN BUSINESS ADMINISTRATION OR ENGINEERING (INCLUDING CCS MAJORS) TO PAY A $115-207 COMPUTER USER FEE. THIS IS A SPECIAL FEE, TO BE PAID ONLY ONCE EACH TERM, AND IS IN ADDITION TO THE INFORMATION TECHNOLOGY ACCESS FEE PAID BY FULL TIME STUDENTS AS PART OF THEIR REGULAR FEE ASSESSMENT. YOU WILL BE INFORMED ON THE FIRST DAY OF CLASS WHETHER OR NOT YOUR CLASS IS SUBJECT TO THIS FEE.

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Contact the department at nooner@umich.edu if you encounter any issues when registering for the class.
### Nuclear Engineering And Radiological Sciences (NERS) Open Sections

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**Methods and Practice in Scientific Computing**

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Technical Communication

Technical Communication (TCHNCLCM) Open Sections

IN ORDER FOR STUDENTS TO MAINTAIN THEIR PLACE IN CLASS, THEY MUST EITHER ATTEND ONE OF THE FIRST TWO CLASS MEETINGS OR NOTIFY THE DEPARTMENT OF THEIR INTENDED ABSENCE PRIOR TO THE FIRST DAY OF CLASS.

300 Tech Comm for EE&CE 1.00

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380 Tech Comm in IOE 2.00 ADVISORY

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If you already have selected team members for your EECS design project, you are encouraged to register for the same section of TC496 with those members?

575 Directed Study 1.00-4.00 ADVISORY

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**Note:** Discussion sections begin the week of Sept. 9. No credit for this course is granted to those who have completed BIOL 381.
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**College of L S & A Residential College**

**Natural Sciences (RCNSCI) Open Sections**

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## School for Environment and Sustainability

### Environment and Sustainability (EAS) Open Sections

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### Prerequisites
- Environ/EAS 409 or Environ/EAS 422 or permission of instructor for students who will be taking either class in the upcoming academic year.
- Meets: August 12-24, 2019, but you enroll in Fall term for credit.

### Field Remote Sensing UMBS

OFFERED ONLY AT THE BIOLOGICAL STATION

www.lsa.umich.edu/umbs

This course will be held May 11th - 25, 2019.

### Prerequisites
- By permission of instructor. Graduate or junior/senior standing; one full-semester course in Remote Sensing and/or GIS from the following: EAS 541, EAS 531, EARTH 408, URP 521 or equivalent.

### 509 Ecology: Concepts & App

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*This course is restricted to 1st year SEAS MASTERS students*

### 510 Sci & Prac of Soc Chang

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This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Narratives around combating human trafficking are narrowly construed, with white cisgender girls typically portrayed as the victims of heteronormative sex trafficking. Such narratives, and interventions meant to aid trafficking victims, overlook LGBTQ+ communities and fail to address their needs. In this class, students will work with stakeholders and incorporate insights from law, social work, public policy, health sciences, and other fields to identify interventions designed to help LGBTQ+ trafficking victims.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). In Michigan, many children are subject to formal child abuse and neglect investigations, and those children are at high risk of subsequent maltreatment, poor school performance, foster care placement, and other adverse life outcomes. Multidisciplinary teams of students will develop tools to identify at-risk children, mitigate risks of maltreatment and removal from the home, and engage with at-risk families. Students will incorporate evidence and ideas from education, law, health sciences, public policy, social work, information, and other fields to develop innovative solutions.
This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

731 Interdisc Prob Solv 3.00 ADVISORY
32527 PD LAB 003 W 315-415PM 0220 JEFFRIES Kantor, Mohai

731 Interdisc Prob Solv
P LAB 003 W 430-630PM 0220 JEFFRIES

This is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Some states, including California and Minnesota, reduce toxic airborne emissions and promote better health outcomes for residents by measuring the cumulative impact of hazardous air pollutants. In this class, students will determine why Michigan has failed to adopt such a cumulative impact approach. Students will incorporate ideas from environmental studies, law, health sciences, design, social work, and other fields to advance a solution that accounts for multiple, geographically-concentrated pollution sources and promotes environmental justice for all Michigan residents.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

731 Interdisc Prob Solv 3.00 ADVISORY
32534 PD LAB 004 W 315-415PM ARR Gray, Carr

731 Interdisc Prob Solv
P LAB 004 W 430-630PM 1060 JEFFRIES

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). The U.S.' unemployment insurance (UI) system faces challenges, including outdated eligibility requirements, fallout from the financial crisis, and insufficient funding. Students will study state UI system vulnerabilities and explore novel federal public policy and financing strategies to develop a plan to improve and modernize the UI safety net, drawing on insights from law, public policy, business, social work, economics and other relevant fields.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

741 Research Paradigms
23401 P SEM 001 TH 5-7PM 1006 DANA Lemos

750 Urban Design Studio
25566 P LEC 001 TTH 1-4PM 3325 DANA Lindquist

787 Metro Dynamic Studio
22846 P LEC 001 TTH 1-4PM 3066 DANA Nassauer

841 PhD Res Forum
20030 PD SEM 001 W 12-1PM 3556 DANA

841 PhD Res Forum
P SEM 001 W 3-5PM 2024 DANA

PhD Seminar
841 PhD Res Forum
22881 PD SEM 002 F 230-5PM 1028 DANA
## Information

**School of Information**

**Information (SI) Open Sections**

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This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Narratives around combatting human trafficking are narrowly construed, with white cisgender girls typically portrayed as the victims of heteronormative sex trafficking. Such narratives, and interventions meant to aid trafficking victims, overlook LGBTQ+ communities and fail to address their needs. In this class, students will work with stakeholders and incorporate insights from law, social work, public policy, health sciences, and other fields to identify interventions designed to help LGBTQ+ trafficking victims.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). In Michigan, many children are subject to formal child abuse and neglect investigations, and those children are at high risk of subsequent maltreatment, poor school performance, foster care placement, and other adverse life outcomes. Multidisciplinary teams of students will develop tools to identify at-risk children, mitigate risks of maltreatment and removal from the home, and engage with at-risk families. Students will incorporate evidence and ideas from education, law, health sciences, public policy, social work, information, and other fields to develop innovative solutions.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

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This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Some states, including California and Minnesota, reduce toxic airborne emissions and promote better health outcomes for residents by measuring the cumulative impact of hazardous air pollutants. In this class, students will determine why Michigan has failed to adopt such a cumulative impact approach. Students will incorporate ideas from environmental studies, law, health sciences, design, social work, and other fields to advance a solution that accounts for multiple, geographically-concentrated pollution sources and promotes environmental justice for all Michigan residents.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

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This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). The U.S.’ unemployment insurance (UI) system faces challenges, including outdated eligibility requirements, fallout from the financial crisis, and insufficient funding. Students will study state UI system vulnerabilities and explore novel federal public policy and financing strategies to develop a plan to improve and modernize the UI safety net, drawing on insights from law, public policy, business, social work, economics and other relevant fields.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

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### Kinesiology

#### School Of Kinesiology

#### Applied Exercise Science (AES) Open Sections

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This course will meet in CCRB 3275.

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This course is crosslisted as SM 333. SM Level 2 students may enroll into SM 333.

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Interested students, please join the waitlist for this course. There is no need to email to request an override. We will monitor the waitlist and issue overrides up to the room capacity. Thank you.

### Athletic Training (AT) Open Sections

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Concurrent enrollment in AT 212 is required.

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Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

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This section will meet in CCRB 3275.
Concurrent enrollment in AT 352 is required.

**Therapeutic Mod Lab**
- Cat: 352
- CR: 1.00
- Epidemic: ADVISORY

AT 352 will meet in the South Campus Performance Center Athletic Training Room. For questions, please contact Professor Shinavier @ shinawi@umich.edu.

Concurrent enrollment in AT 350 is required.

**Rehab Ath Injuries**
- Cat: 360
- CR: 3.00
- Epidemic: ADVISORY

**Path Allied Hit Prof**
- Cat: 375
- CR: 2.00
- Epidemic: ADVISORY

**Clin Exp Ath Train E**
- Cat: 400
- CR: 3.00
- Epidemic: ADVISORY

F19 - this course will meet in USB 2244.

**Teach Exp IR IND**
- Cat: 402
- CR: 1.00-3.00
- Epidemic: ENFORCED

**AT Admin**
- Cat: 410
- CR: 3.00
- Epidemic: ADVISORY

**SpecialTopics MVS AT**
- Cat: 413
- CR: 3.00

Kinesiology (KINESLGY) Open Sections

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Australia
- University of Queensland in Australia
  - Cat: 19770
  - CR: ARR
  - Epidemic: ARR

England
- Loughborough University in England
  - Cat: 19772
  - CR: ARR

Limerick, Ireland
- University of Limerick in Ireland
  - Cat: 19773
  - CR: ARR

Dublin, Ireland
- University College Dublin in Ireland
  - Cat: 24373
  - CR: ARR

Israel
- Israel (Dr. Rosentraub)
  - Cat: 26343
  - CR: ARR

Western Europe
- Western Europe (Dr. Grant Long, Dr. Babiak)
  - Cat: 413
  - CR: 3.00

Motion Capture
- Cat: 122
  - CR: 3.00

Note: Dr. Gross will contact students with the course location, prior to the start of classes.

Motor Learning- An introduction to the behavioral and neurobiological basis of adaptation and motor learning.

Evidence from behavioral and neuroimaging studies across beginners and expert performers will be considered with an emphasis on leveraging motor learning in rehabilitation of clinical populations. This course will be of interest to students considering careers in rehabilitation or other health-related fields.

**PA & Ped Disability**
- Cat: 425
- CR: 3.00
- Epidemic: ENFORCED

**Lab Mtr Cnt Dev**
- Cat: 429
- CR: 1.00-3.00

**Lab Biomechanic**
- Cat: 439
- CR: 1.00-3.00

U of M Open Classes Only Schedule of Classes Page 98 of 413 FA 2019 2260 04-01-2019 12:04 21251132
**Movement Science (MOVESCI) Open Sections**

NOTE - ENROLLMENT NOT GUARANTEED FOR STUDENTS OTHER THAN KINESIOLOGY MAJORS. ATTENDANCE AT FIRST CLASS IS MANDATORY TO RESERVE YOUR PLACE IN CLASS. ACTIVITY CLASSES FOR NON-MAJORS ARE LISTED IN THE UMOVE PROGRAM.

This section is held for Kinesiology students. Non-Kinesiology students should wait list under section 011.

Because Kinesiology holds MVS 110 seats for Kinesiology summer orientation students, overrides for non-Kinesiology students are not issued until post-orientation. Students will receive an email when and if they are issued an override. If students do not receive an override before the first day of class, they are welcome to attend the first day of class and see if the instructor has seats available. As long as students stay on the waitlist, they do not need to call or email to check their status.
This section is held for Kinesiology students. Non-Kinesiology students should wait list under section 012.

Because Kinesiology holds MVS 110 seats for Kinesiology summer orientation students, overrides for non-Kinesiology students are not issued until post-orientation. Students will receive an email when and if they are issued an override. If students do not receive an override before the first day of class, they are welcome to attend the first day of class and see if the instructor has seats available. As long as students stay on the waitlist, they do not need to call or email to check their status.

This section is held for Kinesiology students. Non-Kinesiology students should wait list under section 013.

Because Kinesiology holds MVS 110 seats for Kinesiology summer orientation students, overrides for non-Kinesiology students are not issued until post-orientation. Students will receive an email when and if they are issued an override. If students do not receive an override before the first day of class, they are welcome to attend the first day of class and see if the instructor has seats available. As long as students stay on the waitlist, they do not need to call or email to check their status.

### 219 Scientific Writing

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Kinesiology students are required to concurrently enroll in MOVESCI 231.

### 230 Hum Musculo Anat Lab

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Kinesiology students must concurrently enroll in MOVESCI 230.

### 240 Intro to Fit&Health

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Students will need to request an override.

### 330 Biomech of Hum Mvmt

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### Physical Education (PHYSED) Open Sections

**NOTE - ENROLLMENT NOT GUARANTEED FOR STUDENTS OTHER THAN KINESIOLOGY MAJORS. ATTENDANCE AT FIRST CLASS IS MANDATORY TO RESERVE YOUR PLACE IN CLASS**

**NOTE - COURSES 140, 141, 142, 145, AND 349: CONTACT THE U-MOVE OFFICE (764-1342 OR U-MOVE@UMICH.EDU) FOR CLASS TIMES AND REGISTRATION INFORMATION.**

#### 140 Beginning Swim
- **Cat**: 13576
- **Days**: MW
- **Time**: 7-8PM
- **Location**: ARR
- **Instructor**: Winkelseth
- **Open Seats**: 10
- **Y**: Yes

Class will be held in the CCRB Margaret Bell Pool.

Students must register through the Kinesiology Community Programs (KCP) website (kines.umich.edu/community-programs) or in Room 3064 CCRB and request an override. To drop/request override, contact kebwink@umich.edu. Little or no swim experience? This course is for you. You'll start with entering the pool and getting comfortable. You'll progress to front crawl, back crawl, elementary backstroke, breaststroke, sidestroke, and butterfly. And you'll learn jumping in, treading, and water safety. Goal: one length of the pool. Goggles recommended. Attendance in at least one of the first two classes is mandatory for evaluation or you may lose your spot in class to those on a waitlist. No enrollments are accepted after the class meets a third time.

#### 141 Begin Swim II
- **Cat**: 13578
- **Days**: MW
- **Time**: 7-8PM
- **Location**: ARR
- **Instructor**: Winkelseth
- **Open Seats**: 10
- **Y**: Yes

Advisory

Class will be held in the CCRB Margaret Bell Pool.

Students must register through the Kinesiology Community Programs (KCP) website (kines.umich.edu/community-programs) or in Room 3064 CCRB and request an override. To drop/request override, contact kebwink@umich.edu. Beginning Swim II is for students who are already comfortable in the water and who can swim across the pool (the short way). The course works on building endurance and improving technique in freestyle, backstroke, elementary backstroke, breaststroke, sidestroke, butterfly, diving and treading water as well as water safety. Flip turns and other activities will be offered as skills advance. Goggles recommended. Attendance in at least one of the first two classes is mandatory for evaluation or you may lose your spot in class to those on a waitlist. No enrollments are accepted after the class meets a third time.

#### 142 Intermediate Swim
- **Cat**: 13579
- **Days**: MW
- **Time**: 8-9PM
- **Location**: ARR
- **Instructor**: Winkelseth
- **Open Seats**: 10
- **Y**: Yes

Class will be held in the CCRB Margaret Bell Pool.

Students must register through the Kinesiology Community Programs (KCP) website (kines.umich.edu/community-programs) or in Room 3064 CCRB and request an override. To drop/request override, contact kebwink@umich.edu. Pre-req: Must have ability to swim one length (long way) each of crawl, backstroke and breaststroke. Intermediate. Each of the strokes will be taken apart and put back together better than before! Other topics covered include laps, treading water, diving and water safety. Goggles recommended. Attendance in at least one of the first two classes is mandatory for evaluation or you may lose your spot in class to those on a waitlist. No enrollments are accepted after the class meets a third time.

#### 255 Hth Ed Elem Teacher
- **Cat**: 23225
- **Days**: MW
- **Time**: 4:30PM
- **Location**: 2903 THSL
- **Instructor**: Winkelseth
- **Open Seats**: 25
- **Y**: Yes

**Field Exp PHYSED**

**FUND OF STRNGTH & COND**

**K-12 RHETHY & DANCE**

**Pub & Small Grp Comm**
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students are not issued until post-orientation. Students will receive an email when and if they are issued an override. If students do not receive an override before the first day of class, they are welcome to attend the first day of class and see if the instructor has seats available. As long as students stay on the waitlist, they do not need to call or email to check their status.

This section is held for Kinesiology students only. Non-Kinesiology students should wait list under section 014.

Because Kinesiology holds SM 217 seats for Kinesiology summer orientation students, overrides for non-Kinesiology students are not issued until post-orientation. Students will receive an email when and if they are issued an override. If students do not receive an override before the first day of class, they are welcome to attend the first day of class and see if the instructor has seats available. As long as students stay on the waitlist, they do not need to call or email to check their status.

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Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

### 434 Mgr Ethcs Sprt Fits
- CR: 3.00
- ADVISORY
- Course Details: 17435 P R LEC 001 MW 1-230PM 1755 SPH1 Basten 55 Y
- Description: Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

### 436 Race Rel,Cul Images
- CR: 3.00
- ADVISORY
- Course Details: 21556 P R LEC 001 MW 7-830PM 3040 CCRB Pollick 25 Y
- Description: Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

### 437 Psych Sport&Exer
- CR: 3.00
- ENFORCED
- Course Details: 20993 P R LEC 001 TTH 1130-1PM 2100 OBL George 35 Y
- Description: Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

### 439 Spnsrh Lnkd Mkting
- CR: 3.00
- ADVISORY
- Course Details: 28638 P R LEC 001 TTH 830-10AM 1100 OBL Kwak 25 Y
- Description: Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

### 440 Sport & Eco Dev
- CR: 3.00
- ENFORCED
- Course Details: 21518 P R LEC 001 MW 1-230PM 2100 OBL Rosentraub 32 Y
- Description: Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

### 444 Sales Mng in Spt Ind
- CR: 3.00
- ENFORCED
- Course Details: 30181 P R LEC 001 MW 1130-1PM 3735 CCRB Wade 20 Y
- Description: Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

### 445 Sport Tourism
- CR: 3.00
- ENFORCED
- Course Details: 28515 P R LEC 001 TTH 10-1130AM 2100 OBL Sant 25 Y
- Description: Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

### 451 Sport Analytics
- CR: 3.00
- ENFORCED
- Course Details: 29228 P R LEC 001 MW 230-4PM 3741 CCRB Szymanski 20 Y
- Description: Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

### 499 Strat of Sport Orgs
- CR: 3.00
- ENFORCED
- Course Details: 18421 P R LEC 001 TTH 1-230PM 1100 OBL Babiak 25 Y
- Description: Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

### 514 Strat Mngmt in Sport
- CR: 3.00
- ADVISORY
- Course Details: 22167 P R LEC 001 TH 9-12PM G550 DENT Babiak 32 Y
- Description: Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

### 550 Mkt Mngmnt Sport
- CR: 3.00
- ADVISORY
- Course Details: 16105 P R SEM 001 T 5-8PM 2100 OBL Kwak 32 Y
- Description: Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.
## LSA Residential College
### College of L S & A Residential College

#### Fine Arts (RCARTS) Open Sections

<table>
<thead>
<tr>
<th>CAT#</th>
<th>Course Title</th>
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#### American Sign Language (RCASL) Open Sections

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#### Core Courses (RCCORE) Open Sections

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### Crossings the Divide
Class is reserved for incoming Residential College students only.

<table>
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<th>CAT#</th>
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### Representing Islam
Class is reserved for incoming Residential College students only.

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### Core Courses (RCCORE) Open Sections

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### Crossings the Divide
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### Representing Islam
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### New Ways of Writing about Place
Class is reserved for incoming Residential College students only.

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### Narrativ Confinement/Liberation
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### Writing Lives
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French Service Learning
Class also meets at Freedom House Tuesday 4-9PM

334 Special Topics
26785 P R SEM 001 W 3-5PM B856 EQ Burkam 22 Y
Out of the Past: 20th C LGBT
23979 P SEM 002 F 2-5PM KEENE AUD EQ Brandel 10 N
25185 P SEM 004 T 2-5PM ARR Brandel 20 N

Detroit Artist as Activist
Class meets in Detroit
24221 PD SEM 005 T 10-1PM ARR Copeland 25 N

Environ Justice Organizing Det
Class meets in Detroit
29287 P SEM 006 ARR ARR 5 N

Sounds from Within
25835 P SEM 007 TTH 4-6PM ARR 30 N

Arts Chorale
490 Honors Thesis
1.00-4.00 by 25 N

Humanities (RCHUMS) Open Sections

190 Intro to FTVM
4.00 by 50.00
14516 P DIS 003 W 4-5PM 1175 NQ 25 Y
14517 P DIS 004 W 5-6PM 1175 NQ 25 Y
14518 P DIS 005 W 5-6PM 1105 NQ 25 Y
14519 P DIS 006 W 5-6PM 1105 NQ 25 Y
14520 P DIS 007 W 9-10AM LEC RM 2 MLB 25 Y
14521 P DIS 008 W 10-11AM G160 AH 25 Y
14515 A LEC 001 TTH 1-230PM AUD A AH Solomon, Flinn 23 N
14505 A LAB 002 T 4-7PM AUD A AH Solomon, Flinn 23 N

202 How to Think (Arts)
31669 P LEC 001 TTH 10-12PM B612 EQ Wetzel 12 N
Mixed Media Images
32253 P LEC 002 MW 10-12PM B424 EQ Ervamaa 16 Y

Foundations of Music
218 Hero as Outsider
22878 P SEM 001 MW 230-4PM B810 EQ Cohen 13 N

220 Narration
4.00 by
13540 P R SEM 001 TTH 4-530PM B810 EQ Thomas 15 Y
Intro to Fiction Writing

221 Writing of Poetry
4.00 ADVISORY by 18 N
13541 P R SEM 001 TTH 4-530PM 1505 EQ Kasischke 18 Y

Class is open to all RC students without instructor consent.

249 Foundations of Music

249 Foundations of Music

249 Foundations of Music
20898 P R REC 001 MW 10-12PM B424 EQ Ervamaa 16 Y

250 Chamber Music
13542 P R LAB 001 M 5-9PM B424 EQ Ervamaa 28 Y

250 Chamber Music
259 P R LAB 001 F 10-5PM B424 EQ KEENE AUD EQ 28 Y

250 Chamber Music
14436 PIR LAB 002 ARR ARR Ervamaa 10 N

252 Topics Music Express
16494 P R LAB 001 T 6-9PM B424 EQ Hottmann 18 N

252 Topics Music Express
252 Topics Music Express
32843 P LAB 002 TTH 10-12PM B424 EQ Ervamaa 12 N

Chinese Instrumental Music Ens

252 Topics Music Express
252 Topics Music Express
32843 P LAB 002 TTH 10-12PM B424 EQ Ervamaa 12 N

Human Voice

258 Afro-Cuban Drumming
25088 P R REC 001 MW 1-3PM B424 EQ Gould 12 N

259 Music Improvisation
31438 P R REC 001 MW 3-5PM B424 EQ Kirschenmann 18 N

260 Art of Dance
18324 P SEM 001 MW 10-1130AM B834 EQ Genne 24 Y

282 Drama&Interpret I
21409 P R SEM 001 MW 1-3PM KEENE AUD EQ Mendeloff 16 Y

282 Drama&Interpret I
282 Drama&Interpret I
28422 P SEM 001 MW 4-530PM B834 EQ Genne 20 N
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**Literature, Science & the Arts**

IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS MAY BE REGISTERED OFFICIALLY FOR A COURSE, DEPARTMENTS MAY GIVE AWAY A STUDENT'S PLACE IN A CLASS IF THEY DO NOT ATTEND:

---THE FIRST MEETING OF BIOLOGY, CHEMISTRY, AND PHYSICS LABORATORIES;
---EITHER OF THE FIRST TWO MEETINGS OF ENGLISH COURSES;
---THE FIRST TWO MEETINGS OF HISTORY 396 AND 397;
---EITHER OF THE FIRST TWO MEETINGS OF ANY COURSE OFFERED BY THE DEPARTMENT OF ROMANCE LANGUAGES;
---THE FIRST TWO MEETINGS OF COURSES IN OTHER SUBJECTS.

AT THE SAME TIME, DEPARTMENTS ARE NOT OBLIGATED TO WITHDRAW STUDENTS OFFICIALLY FROM THE COURSE, EVEN THOUGH THE STUDENT HAS BEEN INFORMED THAT HIS/HER PLACE IN A COURSE HAS BEEN TAKEN AWAY. STUDENTS ARE RESPONSIBLE FOR THE ACCURACY OF THEIR SCHEDULES AND MUST BE SURE THAT ALL DROPS ARE PROCESSED THROUGH REGISTRATION SYSTEM DURING THE NORMAL DROP/ADD PERIOD.

---

**Department of Afro-American and African Studies**

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U of M Open Classes Only Schedule of Classes  Page 121 of 413  FA 2019 2260 04-01-2019 12:04 21251132
### Department of American Culture

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### Asian Languages (ASIANLAN) Open Sections

NOTE-IF YOU HAVE TAKEN A SECOND LANGUAGE AT ANY INSTITUTION (OTHER THAN U OF M) AND WOULD LIKE TO ENROLL IN A LANGUAGE COURSE BEYOND THE FIRST YEAR, YOU MUST TAKE THE APPROPRIATE PLACEMENT EXAM. PLEASE CONTACT THE DEPARTMENT OFFICE FOR INFORMATION ABOUT DATE, TIME AND LOCATION OF THOSE PLACEMENT EXAMS.
STUDENTS MUST ELECT RECITATION AND LECTURE SECTIONS.

In order to ensure even enrollment in all recitation sections, ALC is practicing controlled enrollments. The total enrollment capacity for each recitation section is 18.

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This section focuses part of its content on learning Japanese in relation to STEM program needs. All students are welcome, no matter their majors/minors, but STEM students are especially encouraged to enroll.
This course can be scheduled according to the availability of the students enrolled. Please contact the instructor with any questions.

**South and Southeast Asia (SSEA) Open Sections**

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## Biology Department

### Biology (BIOLOGY) Open Sections

---A STUDENT WHO DOES NOT ATTEND THE FIRST MEETING OF A BIOLOGY, CHEMISTRY, OR PHYSICS LAB MAY BE DROPPED FROM THAT COURSE FOR NON-ATTENDANCE. ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION PROCESS TO MAKE SURE THAT THEIR OFFICIAL COURSE SCHEDULES MATCH THE COURSES THEY ARE ATTENDING.

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### Details

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- **Class #**: 32756
- **Code**: P
- **Days**: DIS
- **Section**: 002 W
- **Time**: 530-7PM
- **Location**: 1507 NUB
- **Instructor**: Vandermeer
- **Seats**: 17
- **Waiting List**: Y

**105 Biology of Nutrition**
- **Class #**: 25661
- **Code**: P
- **Days**: DIS
- **Section**: 002 TH
- **Time**: 1-2PM
- **Location**: B3570 BUS
- **Instructor**: 24
- **Seats**: 24
- **Waiting List**: Y

**108 Animal Diversity**
- **Class #**: 23926
- **Code**: P
- **Days**: DIS
- **Section**: 002 T
- **Time**: 9-10AM
- **Location**: 5151 USB
- **Instructor**: Eidietis
- **Seats**: 20
- **Waiting List**: Y

**120 First Year Sem Biol**
- **Class #**: 24906
- **Code**: P
- **Days**: WF
- **Section**: 001 MF
- **Time**: 9-10AM
- **Location**: 3163 USB
- **Instructor**: Pavgi
- **Seats**: 18
- **Waiting List**: Y

**121 Topics in Biology**
- **Class #**: 25412
- **Code**: P
- **Days**: LEC
- **Section**: 001 MF
- **Time**: 11-12PM
- **Location**: 3163 USB
- **Instructor**: Pichersky
- **Seats**: 14
- **Waiting List**: Y

**171 Intro Biology: EEB**
- **Class #**: 18382
- **Code**: P
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- **Section**: 006 M
- **Time**: 830-10AM
- **Location**: 4200 USB
- **Instructor**: Schmidt, Gdanetz MacCready
- **Seats**: 20
- **Waiting List**: N

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U of M Open Classes Only Schedule of Classes  
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**Sections 200 and 201 are reserved for honors students.**

**HONORS STUDENTS ENROLL IN DISCUSSION SECTION 200 OR 201.**

**This section is reserved for CSP students. Students must consult with a CSP advisor in order to receive permission to register for this section. Once classes begin, permission of the instructor is required. You can contact CSP for more information at 764-9128, csp-4info@umich.edu, or see the override FAQ on our website.**

**THE FIRST LECTURE WILL BE HELD WED., SEPT. 4. DISCUSSION SECTIONS BEGIN THE WEEK OF SEPT. 9. EXAMS WILL BE GIVEN ON WEDS., SEPT. 4th.**

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Lectures, Labs, and Discussion Sections

Lectures are scheduled for Mondays from 9-11AM, TTh from 9-11AM, and MWF from 10-11AM, 11-12PM, and 1-2PM. Labs are held from 6-8PM and 2-5PM. Discussions begin the week of Sept. 9 and are held on Mondays from 9-12PM, Wednesdays from 2-5PM, Thursdays from 2-5PM, and Fridays from 10-11AM.

Requests for overrides should be made by contacting CSP at 764-9128 or csp-4info@umich.edu. More information can be found on the override FAQ page.

STUDENTS ENROLL IN DISCUSSION SECTION 200.

SECTION 200 IS RESERVED FOR HONORS STUDENTS.


LABS ARE CLOSED TO ADDING OR SWAPPING AFTER THE FIRST LECTURE MEETING. STUDENTS SHOULD ATTEND THE DESIRED SECTION TO REQUEST AN OVERRIDE.
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

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MICROBIOME Authentic Research Connection section. Enrollment by application only. Please visit https://sites.lsa.umich.edu/arc/biology-173/. Enrollment in Lecture Section 003 only.

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LECTURE SECTION 003 IS RESERVED FOR THOSE ADMITTED TO ACTIVE RESEARCH CONNECTION LAB SECTIONS 201, 202, 203, OR 204 ONLY.

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ER STRESS RESPONSE Authentic Research Connection section. Enrollment by application only. Please visit https://sites.lsa.umich.edu/arc/biology-173/. Enrollment in Lecture Section 006 only.

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LECTURE SECTION 006 IS RESERVED FOR THOSE ADMITTED TO ACTIVE RESEARCH CONNECTION LAB SECTIONS 501 OR 502 ONLY.

192 Accel Intro Bio

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U of M Open Classes Only Schedule of Classes Page 141 of 413 FA 2019 2260 04-01-2019 12:04 21251132
200 Undergrad Tutorial

201 Inter Topics in Bio

205 Developmental Biol

207 Microbiology

226 Hum&Animal Phys Lab

281 General Ecology
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# Biophysics Research Division

## Biophysics (BIOPHYS) Open Sections

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Chemistry Department
Chemistry (CHEM) Open Sections

--A GRADE OF C- OR BETTER MUST BE OBTAINED IN ALL CHEMISTRY COURSES PREREQUISITE TO SUBSEQUENT CHEMISTRY COURSES.
--ROOM A706 CHEM IS A WHEELCHAIR EQUIPPED LAB.
--A STUDENT WHO DOES NOT ATTEND THE FIRST MEETING OF A BIOLOGY, CHEMISTRY, OR PHYSICS LAB MAY BE DROPPED FROM THAT COURSE FOR NON-ATTENDANCE. ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION PROCESS TO MAKE SURE THAT THEIR OFFICIAL COURSE SCHEDULES MATCH THE COURSES THEY ARE ATTENDING.

| CAT#  | Course Title | CR  | PREREQ | LAB FEE | OPEN SEATS | WL
|-------|--------------|-----|--------|---------|------------|-----
| 105   | Changing Atmos | 3.00 |        |         |            |     |
| 125   | Gen Chem Lab I | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |

--YOU MUST ALSO REGISTER FOR CHEM 126, SECTION 100

--STUDENTS MUST CLAIM THEIR SPACE AT THE FIRST MEETING OF LAB.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

| CAT#  | Course Title | CR  | PREREQ | LAB FEE | OPEN SEATS | WL
|-------|--------------|-----|--------|---------|------------|-----
| 10807 | P LEC 001    | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10810 | P R LAB 110  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10812 | P R LAB 111  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 17627 | P R LAB 112  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 17629 | P R LAB 113  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 18033 | P R LAB 114  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10814 | P R LAB 115  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10816 | P R LAB 116  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10818 | P R LAB 120  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10820 | P R LAB 121  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 15383 | P R LAB 122  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10822 | P R LAB 123  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10824 | P R LAB 124  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10826 | P R LAB 125  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10828 | P R LAB 126  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10830 | P R LAB 130  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 10832 | P R LAB 131  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 17203 | P R LAB 132  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 17205 | P R LAB 133  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 17207 | P R LAB 134  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 17209 | P R LAB 135  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 18040 | P R LAB 136  | 1.00 | ADVISORY, ENFORCED | 100.00 |            |     |

--YOU MUST ALSO REGISTER FOR CHEM 126, SECTION 100

--STUDENTS MUST CLAIM THEIR SPACE AT THE FIRST MEETING OF LAB.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

| CAT#  | Course Title | CR  | PREREQ | LAB FEE | OPEN SEATS | WL
|-------|--------------|-----|--------|---------|------------|-----
| 10807 | A R LEC 100  | 3.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 18541 | P R LAB 210  | 3.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 18543 | P R LAB 211  | 3.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 18553 | P R LAB 212  | 3.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 18554 | P R LAB 213  | 3.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 18549 | P R LAB 214  | 3.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 18547 | P R LAB 215  | 3.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 18555 | P R LAB 220  | 3.00 | ADVISORY, ENFORCED | 100.00 |            |     |
| 18557 | P R LAB 221  | 3.00 | ADVISORY, ENFORCED | 100.00 |            |     |

--YOU MUST ALSO REGISTER FOR CHEM 126 SECTION 200

--STUDENTS MUST CLAIM THEIR SPACE AT THE FIRST MEETING OF LAB.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.
Seats reserved for students in the STEM Comm learning community. Please click this link to see the website or contact Marybeth Bauer with questions: bauermb@umich.edu.

--YOU MUST ALSO REGISTER FOR CHEM 126 SECTION 300

--STUDENTS MUST CLAIM THEIR SPACE AT THE FIRST MEETING OF LAB.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

CHEM 126 meets the same day/time/location as CHEM 125 and must be taken in conjunction with CHEM 125.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

CHEM 126 meets the same day/time/location as CHEM 125 and must be taken in conjunction with CHEM 125.

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CHEM 126 meets the same day/time/location as CHEM 125 and must be taken in conjunction with CHEM 125.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

Section 100 students must elect discussion section 110-150.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

Do not hesitate to register because of exam time conflicts; we offer same-day alternate exam times. Information about alternate time exams will be provided by instructors after the semester begins.
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--SECTION 200 - STUDENTS MUST ELECT DISCUSSION SECTION 210-251.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

Do not hesitate to register because of exam time conflicts; we offer same-day alternate exam times. Information about alternate time exams will be provided by instructors after the semester begins.

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--SECTION 300 - STUDENTS MUST ELECT DISCUSSION 310-351.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

Do not hesitate to register because of exam time conflicts; we offer same-day alternate exam times. Information about alternate time exams will be provided by instructors after the semester begins.

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This section is reserved for CSP students and students who have placed into CHEM 130. Students must consult with a CSP advisor in order to receive permission to register for this section. Once classes begin, permission of the instructor is required. You can contact CSP for more information at 764-9128, csp-4info@umich.edu, or see the override FAQ on our website.

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This section is reserved for CSP students and students who have placed into CHEM 130. Students must consult with a CSP advisor in order to receive permission to register for this section. Once classes begin, permission of the instructor is required. You can contact CSP for more information at 764-9128, csp-4info@umich.edu, or see the override FAQ on our website.

<table>
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This section is reserved for CSP students and students who have placed into CHEM 130. Students must consult with a CSP advisor in order to receive permission to register for this section. Once classes begin, permission of the instructor is required. You can contact CSP for more information at 764-9128, csp-4info@umich.edu, or see the override FAQ on our website.

--SECTION 400 - STUDENTS MUST ELECT DISCUSSION 410-414. The intensive lecture section (Section 400) is intended for those students who would benefit from a smaller lecture section (maximum 100 students) and more lectures so that the pace is slower and there is more feedback. This section is reserved for CSP students and students who have placed into CHEM 130. Students must consult with a CSP advisor in order to receive permission to register for this section. Once classes begin, permission of the instructor is required. You can contact CSP for more information at 764-9128, csp-4info@umich.edu, or see the override FAQ on our website.

Do not hesitate to register because of exam time conflicts; we offer same-day alternate exam times. Information about alternate time exams will be provided by instructors after the semester begins.
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--SECTION 500 - STUDENTS MUST ELECT DISCUSSION 510-550.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

| 10884 | A LEC 500 MWF | 0  |        | 1210 CHEM | Castaneda |
| 32969 | A MID 599 T  | 0  |        | 8-10PM    | 6-8PM      |

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--SECTION 100- MUST ELECT ONE DISCUSSION 110-199.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

| 10893 | A LEC 100 MWF | 0  |        | 8-9AM    | 1800 CHEM  |
| 32960 | A MID 199 T  | 0  |        | 6-8PM    | 6-8PM      |
|       | A MID 199 T  | 0  |        | 6-8PM    | 6-8PM      |
|       | A MID 199 T  | 0  |        | 6-8PM    | 6-8PM      |
| 10906 | P DIS 210 W  | 0  |        | 9-10AM   | 4152 USB   | 30 N |
| 10907 | DIS 211 F   | 0  |        | 2-3PM    | 1636 CHEM  | 30 N |
| 10908 | P DIS 212 TH | 0  |        | 12-1PM   | 1636 CHEM  | 30 N |
| 10909 | P DIS 213 T  | 0  |        | 11-12PM  | 1636 CHEM  | 30 N |
| 10910 | P DIS 214 TH | 0  |        | 2-3PM    | 1628 CHEM  | 30 N |
| 10911 | P DIS 220 T  | 0  |        | 3-4PM    | 271 WEISER  | 30 N |
| 10912 | P DIS 221 T  | 0  |        | 8-9AM    | 1628 CHEM  | 30 N |
| 10913 | P DIS 250 T  | 0  |        | 12-1PM   | 1636 CHEM  | 30 N |
| 10914 | P DIS 251 M  | 0  |        | 3-4PM    | 2234 USB   | 30 N |
| 10915 | P DIS 252 TH | 0  |        | 12-1PM   | 1628 CHEM  | 30 N |
| 10916 | P DIS 253 W  | 0  |        | 3-4PM    | 1632 CHEM  | 30 N |
| 18812 | P DIS 263 M  | 0  |        | 2-3PM    | 1632 CHEM  | 23 N |
| 10918 | P DIS 264 F  | 0  |        | 1-2PM    | 1628 CHEM  | 25 N |

--SECTION 200 - MUST ELECT ONE DISCUSSION 210-299.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

| 10905 | A LEC 200 MWF | 0  |        | 11-12PM  | 1800 CHEM  | Wolfe |
| 32961 | S MID 299 T  | 0  |        | 6-8PM    | 6-8PM      |        |
|       | S MID 299 T  | 0  |        | 6-8PM    | 6-8PM      |        |
|       | S MID 299 T  | 0  |        | 6-8PM    | 6-8PM      |        |
| 10920 | P DIS 310 W  | 0  |        | 1-2PM    | 1509 NUB   | 23 N |
| 10921 | P DIS 311 TH | 0  |        | 12-1PM   | B684 SSWB  | 22 N |
| 10922 | P DIS 312 T  | 0  |        | 11-12PM  | 1632 CHEM  | 30 N |
| 17663 | P DIS 313 F  | 0  |        | 2-3PM    | 1628 CHEM  | 30 N |
| 19814 | P DIS 314 W  | 0  |        | 4-5PM    | 1632 CHEM  | 30 N |
| 10923 | P DIS 320 T  | 0  |        | 3-4PM    | 1636 CHEM  | 30 N |

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---SECTION 300 - MUST ELECT ONE DISCUSSION 310-391.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

Do not hesitate to register because of exam time conflicts; we offer same-day alternate exam times. Information about alternate time exams will be provided by instructors after the semester begins.

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---SECTION 400 - MUST ELECT ONE DISCUSSION 408-421.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

Chem 211-400 is focused on techniques used for the synthesis, isolation, and purification of organic compounds, and the content differs from the 100, 200, and 300 sections. This is an honors section.

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Chem 211-400 is focused on techniques used for the synthesis, isolation, and purification of organic compounds, and the content differs from the 100, 200, and 300 sections. This is an honors section.

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Chem 211-400 is focused on techniques used for the synthesis, isolation, and purification of organic compounds, and the content differs from the 100, 200, and 300 sections. This is an honors section.
STUDENTS MUST SHOW VERIFICATION OF REGISTRATION FOR CHEM 211 AT LAB CHECK IN AND CLAIM THEIR SPACES AT THE FIRST MTG OF THE LAB.

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A LAB.

</p> NOTE: Although concurrent (or prior) enrollment in Chem 210 is an advisory, rather than enforced, pre/co-requisite, it is EXTREMELY STRONGLY RECOMMENDED. The topic of stereochemistry is prominent in Chem 211, and the class will be very challenging for students who are not currently (or have not previously) taken Chem 210. </p>

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.
Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

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CHEM 246 is for Chemical Engineering students only.

CHEM 247 is for Chemical Engineering students only.

CHEM 261 is for Chemical Engineering students only.

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STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.
**NOTE** - A PRE-REGISTRATION PLACEMENT TEST FOR STUDENTS WITH HIGH SCHOOL LATIN FOR THE FALL TERM WILL BE REQUIRED.
GO TO THE DEPARTMENTAL OFFICE, 2160 A H, FOR INFORMATION OR CALL 764-0360.

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Meets with Latin 301

| 506  | Latin Sight Reading              | 1.00 |         |            |            |    |
| 27396 | P REC 001 TH 10-11AM             | 3205 MLB |         | Schultz    |            |    |
| 524  | Ovid                             | 3.00 | ADVISORY |            | 15         | Y  |
| 30888 | P REC 001 WF 830-10AM            |    |         |            | 15         | Y  |
| 600  | Meth Class Scholarsp             | 1.00 | ADVISORY |            | 10         | Y  |
| 19658 | P SEM 001 F 12-2PM               |    |         |            | 10         | Y  |
| 849  | Constantine&His Age              | 3.00 | ADVISORY |            | 15         | Y  |
| 30890 | P SEM 001 F 2-5PM                |    |         |            | 15         | Y  |
| 993  | Sem for Instructors              | 1.00 | ADVISORY |            | 35         | N  |
| 11467 | P LEC 001 ARR ARRE               |    |         |            | 35         | N  |
Communication Studies

Communication Studies (COMM) Open Sections

NOTE - ENROLLED STUDENTS MAY BE DROPPED FROM COMMUNICATION STUDIES CLASSES FOR FAILURE TO ATTEND THE FIRST TWO MEETINGS.

**101 The Mass Media**

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15 seats reserved for freshmen.

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First year students

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**Section reserved for Communication Studies honors program seniors.**

Reserve for graduate students only.

Reserved for graduate students only.
### Comparative Literature Program

#### Comparative Literature (COMPLIT) Open Sections

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### Transcultural Studies (TCS) Open Sections

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## Program Study of Complex Systems

### Complex Systems (CMPLXSYS) Open Sections

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Comprehensive Studies Program

Comprehensive Studies Program (CSP) Open Sections

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<td></td>
<td>his section is reserved for CSP students. Students must consult with a CSP advisor in order to receive permission to register for this section. Once classes begin, permission of the instructor is required. You can contact CSP for more information at 764-9128, <a href="mailto:csp-4info@umich.edu">csp-4info@umich.edu</a>, or see the override FAQ on our website.</td>
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<td>11018</td>
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<td>G128 AH</td>
<td>Winston</td>
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<td>his section is reserved for CSP students. Students must consult with a CSP advisor in order to receive permission to register for this section. Once classes begin, permission of the instructor is required. You can contact CSP for more information at 764-9128, <a href="mailto:csp-4info@umich.edu">csp-4info@umich.edu</a>, or see the override FAQ on our website.</td>
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<td>This section is reserved for Kessler Presidential Scholars. Permission from a CSP advisor is required. Please contact CSP for more information at 764-9128 or <a href="mailto:csp-4info@umich.edu">csp-4info@umich.edu</a>.</td>
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English Language Institute

English Language Institute (ELI) Open Sections

ELI courses fall into three categories:
1. English for Academic Purposes courses for graduate students;
2. Language and teacher training courses for international GSIs;
3. Teacher training courses for students planning to teach ESL in local communities or abroad.

For assistance in choosing an appropriate course, please go to the ELI Academic Advising website:
http://bit.ly/eliadvising or e-mail: eliadvisor@umich.edu to make an appointment to speak with an advisor.

Community Service and Language, Education and Culture

390 Comm Learn in ESL 3.00
P  SEM 001 MW 230-4PM 1518 NUB Romano Gillette 15 Y

501 VS1-Int Comm in Acad 0.00
P  LEC 001 TH 12-2PM 3440 MH 15 N

510 Acad Rdg&Vocab Acq 2.00
22955 P  LEC 001 ARR ARR 18 Y

PLEASE NOTE: This is an online course. Students are required to attend one mandatory in-person class session (Wednesday September 18, 4-6pm Location: 950 Weiser). The rest of the work of this course will be completed asynchronously online, with optional face-to-face group meetings and consultations with instructor. Contact the instructor <a href="mailto:pbogart@umich.edu">Pamela Bogart</a> with any questions.

512 Spoken&Wrt Gram 1.00
21079 P  LEC 001 W 4-5PM 3088 EH 18 Y

ELI 521 Section 002 meets on North Campus.

521 Acad Writing I 1.00

ELI 521 Section 003 meets on North Campus.

522 Res Paper Writing 2.00
22227 P  LEC 002 T 4-5PM 3088 EH 16 Y

530 Acad Spkg Wrtg Arch 2.00 ADVISORY

ELI 530 Section 002 is a 10-week course.

531 Language&Commun I 1.00
26680 P  LEC 004 TH 4-5PM 2104 MLB Dowling 14 Y

ELI 531 Section 004 is a 10-week course.

532 Understand Spkn Eng 1.00
31326 P  LEC 001 T 4-5PM 3088 EH 12 Y

534 Dis&Oral Argumentn 1.00
24525 P  LEC 003 W 4-5PM 2238 SRB 12 Y

536 Pronunciation I 1.00
11293 PIR LEC 001 TTH 4-5PM 1500 NO-LRC 12 Y

ELI 536 Section 001 is a 7-week course.

538 Pronun GSI Contexts 1.00
25036 PI LEC 001 TTH 530-630PM 1500 NO-LRC 12 N

ELI 539 Section 001 is a 10 week course. This section is open to GSIs only. Permission of instructor is required.

544 Acad Presentations 2.00
11291 P  LEC 001 T 1-3PM 242 WH 12 Y
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English Language & Literature Dept

English Language And Literature (ENGLISH) Open Sections

--A STUDENT WHO MISSES EITHER OF THE FIRST TWO CLASS MEETINGS OF AN ENGLISH COURSE MAY BE DROPPED FROM THE COURSE FOR NON-ATTENDANCE. ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION PROCESS TO MAKE SURE THAT THEIR OFFICIAL SCHEDULE MATCHES THE COURSES THEY ARE ATTENDING.

124 Academic Writing&Lit

<table>
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| 11161 | REC 002 MWF 11-12PM | 9 | N |
| Students (enrolled and waitlisted) must attend BOTH the first AND second days of class or they will be dropped immediately for non-attendance. |

| 16016 | REC 003 MW 230-4PM | 9 | N |
| Students (enrolled and waitlisted) must attend BOTH the first AND second days of class or they will be dropped immediately for non-attendance. |

| 11162 | REC 004 TTH 830-10AM | 9 | N |
| Students (enrolled and waitlisted) must attend BOTH the first AND second days of class or they will be dropped immediately for non-attendance. |

| 11163 | REC 005 TTH 230-4PM | 9 | N |
| Students (enrolled and waitlisted) must attend BOTH the first AND second days of class or they will be dropped immediately for non-attendance. |

| 11164 | REC 006 TTH 530-7PM | 9 | N |
| Students (enrolled and waitlisted) must attend BOTH the first AND second days of class or they will be dropped immediately for non-attendance. |

| 11165 | REC 007 TTH 1-230PM | 9 | N |
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| 11166 | REC 008 MWF 9-10AM | 9 | N |
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| 11167 | REC 009 MWF 1-2PM | 9 | N |
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| 11168 | REC 010 MWF 10-11AM | 9 | N |
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| 11169 | REC 011 MW 1130-1PM | 9 | N |
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| 11170 | REC 012 TTH 230-4PM | 9 | N |
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| 11171 | REC 013 MW 4-530PM | 9 | N |
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| 11172 | REC 014 MW 10-1130AM | 9 | N |
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| 11173 | REC 015 TTH 4-530PM | 9 | N |
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| 11174 | REC 016 TTH 10-1130AM | 9 | N |
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| 11175 | REC 017 TTH 1-230PM | 9 | N |
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| 11176 | REC 018 MW 1-230PM | 9 | N |
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| 11177 | REC 019 MW 230-4PM | 9 | N |
| Students (enrolled and waitlisted) must attend BOTH the first AND second days of class or they will be dropped immediately for non-attendance. |

| 11178 | REC 020 MW 830-10AM | 9 | N |
| Students (enrolled and waitlisted) must attend BOTH the first AND second days of class or they will be dropped immediately for non-attendance. |

| 11179 | REC 021 MW 10-1130AM | 9 | N |
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| 11180 | REC 022 MWF 11-12PM | 9 | N |
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<p>| 11181 | REC 023 TTH 1130-1PM | 9 | N |
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16631 P  REC 076 TTH 230-4PM G128 AH 9 N
16632 P  REC 077 MWF 9-10AM 4175 AH 9 N
16633 P  REC 078 MW 230-4PM 2462 MH 9 N
16634 P  REC 079 MW 4-530PM G023 WQ Christman 18 N
16635 P  REC 080 MW 230-4PM 2475 MH 9 N
16636 P  REC 081 TTH 10-1130AM 2462 MH 9 N
16637 P  REC 082 TTH 1-230PM 4211 AH 9 N
20040 P  REC 083 MW 530-7PM 2454 MH 9 N

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17501 P  REC 085 TTH 1130-1PM 2334 SEB 9 N
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17502 P  REC 086 MW 1-230PM 4199 AH 9 Y
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17503 P  REC 087 TTH 230-4PM 2320 SEB 9 N
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126 Comm-Engaged Writ 4.00
33678 P  REC 001 TTH 1130-1PM ARR You 15 Y
140 1st Yr Sem Lang&Lit 3.00 ADVISORY
22344 PIR SEM 001 TTH 10-1130AM 4199 AH 18 Y
25116 PIR SEM 002 TTH 10-1130AM 4199 AH 18 Y
25117 PIR SEM 003 TTH 1130-1PM 4175 AH 18 Y
26739 PIR SEM 004 MW 1130-1PM 3437 MH Levy-Hussen 18 Y
27309 PIR SEM 005 TTH 230-4PM 4211 AH Levinson 18 Y
27367 PIR SEM 006 MW 230-4PM 2024 TISCH 8 Y
33190 PI SEM 007 TTH 230-4PM 4207 AH Bardenstein 18 Y
215 Intro to Women & Lit 3.00
31545 P  LEC 001 TTH 230-4PM ARR Gold 30 Y
Women, Rhetoric, Activism
221 Lit&Wrts Out Classrm 3.00
25611 P  REC 001 T 6-9PM 2333 MH Christman 20 Y
223 Creative Writing 3.00
29064 P  REC 002 TTH 10-1130AM 1511 EQ 20 Y
11244 P  REC 001 MW 1130-1PM 2320 SEB 20 Y
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11245 P  REC 003 TTH 1130-1PM 2320 SEB 20 Y
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11246 P  REC 004 MW 10-1130AM 1509 NUB 20 Y
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11247 P  REC 005 MW 1130-1PM 4175 AH 20 Y
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11248 P  REC 006 TTH 4-530PM 2695 SPHIA 20 Y
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Science in Science Fiction

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### Courses

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#### 442 Studies in Poetry
- **3.00**
- Instructor: Chakraborty
- Open Seats: 25

#### 443 Theatr Hist
- **11275 P LEC 001 MW 10-1130AM ARR Mbala Nkanga**
- **11276 P LEC 002 TTH 1-230PM 2439 WDC Creekmore**
- Open Seats: 30

#### 450 Med & Ren Lit.
- **14720 P REC 001 MW 1-230PM 1339 MH Lyons**
- Open Seats: 30

#### 451 Lit 1600-1830
- **31948 P REC 001 TTH 1130-1PM 1339 MH Levinson**
- Open Seats: 30

#### 460 Med & Ren Lit.
- **14720 P REC 001 MW 1-230PM 1339 MH Sweeney**
- Open Seats: 11

#### 464 Study Indl Authors
- **31950 P REC 001 TTH 1130-1PM 506 BMT Zemgulys**
- Open Seats: 30

#### 469 Milton
- **28532 P REC 001 MW 1130-1PM 2306 MH Schoenfeldt**
- Open Seats: 30

#### 470 Colonial Revol Am Lit
- **25153 P REC 001 MW 10-1130AM 3333 MH Creekmore**
- Open Seats: 30

#### 473 Topics American Lit
- **31956 P REC 001 TTH 230-4PM 1339 MH Lyons**
- Open Seats: 30

#### 475 Std World Lit English
- **28535 P REC 001 TTH 1130-1PM 2336 MH Mangrum**
- Open Seats: 30

#### 490 Hist Lit Crit Theory
- **24136 P REC 001 TTH 1130-1PM 1460 MH Larson**
- Open Seats: 30

#### 495 Drafting the Thesis
- **11277 PD SEM 001 TTH 230-4PM 120 WH Parrish**
- **11278 PD SEM 002 TTH 230-4PM ARR Sanok**
- Open Seats: 30

#### 501 Old English
- **19611 P R SEM 001 TTH 830-10AM 2271 AH Toon**
- Open Seats: 25

#### 520 Intro Grad Studies
- **11280 PD SEM 001 F 12-3PM 4207 AH Traub**
- **11281 PD SEM 002 F 1-4PM 3205 MLB Gregerson**
- Open Seats: 20

#### 540 Topics Lang & Lit
- **32202 P R SEM 001 MW 10-1130AM G421B MH Sweeney**
- **32203 P R SEM 002 MW 1130-1PM G421B MH Hawes**
- Open Seats: 12

#### 571 Wkshp Write Fiction
- **11281 PD SEM 001 W 5-8PM 3359 MH Davies**
- **11282 PD SEM 002 W 5-8PM 2401 MH Jordan**
- Open Seats: 12

#### 574 Wkshop Write Poetry
- **11283 PD SEM 001 M 5-8PM 3359 MH Gregerson**
- **11284 PD SEM 002 M 1-4PM 3205 MLB Gregerson**
- Open Seats: 12

#### 578 Creative Writing
- **32205 P R SEM 001 T 5-8PM ARR Kumarasamy**
- Open Seats: 12

#### 579 Creative Wr-Poetry
- **26705 P R SEM 001 T 5-8PM 3427 MH Hu**
- Open Seats: 11

#### 580 Documentary Invest. Poetry
- **32206 P R SEM 001 W 5-8PM 2475 MH Khan**
- Open Seats: 12

#### 635 Topics in Poetry
- **32214 P SEM 002 T 10-1PM 5521 HH Gregerson**
- Open Seats: 12

#### 641 Topc Medieval Period
- **28537 P R SEM 001 MW 230-4PM 4211 AH Taylor**
- Open Seats: 6

#### 648 Topic Modern Period
- **32343 P R SEM 001 TTH 1130-1PM 4207 AH Whittier-Ferguson**
- Open Seats: 12

#### 653 Topic 20c Amer Lit
- **28538 P R SEM 001 M 4-7PM 3315 MH Levy-Hussen**
- Open Seats: 12

#### 695 Pedagogy: Thry-Pract
- **11286 PDR SEM 001 TH 530-830PM 4175 AH Parrish**
- **32209 P R SEM 001 TTH 1-230PM 2401 MH Miller**
- Open Seats: 12

#### 821 Sem Critical Theory
- **32209 P R SEM 001 TTH 1-230PM 2401 MH Miller**
- Open Seats: 12

#### 842 Historical Period
- **29081 PIR SEM 002 M 5-8PM 2448 MH Hartley**
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#### 993 G S I Training
- **11287 PDR REC 001 ARR Engel**
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## Earth and Environmental Sciences

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| 31042 | P LEC 002 TTH 4-5PM 140 LORCH | Wilson | 370 | Y | 17 |
| 21369 | P LEC 001 TTH 3-4PM AUD 3 MLB | Arnaboldi | 480 | Y | 05 |
| 19075 | P LEC 002 TTH 10-11AM UMMA AUD | Huang | 180 | Y | 05 |
| 31041 | P LEC 002 TTH 11-12PM AUD A AH | Cole | 300 | Y | 05 |
| 26737 | P LEC 001 TTH 11-12PM AUD A AH | Levin | 300 | Y | 17 |
| 33214 | P LEC 002 MW 11-12PM ARR | Levin | 250 | Y | 17 |
| 26738 | P LEC 002 TTH 10-11AM UMMA AUD | Ruff | 180 | Y | 17 |
| 31040 | P LEC 001 MW 11-12PM 182 WEISER | Gleason | 250 | Y | 17 |
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| 11332 | P LAB 002 T 4-6PM 2512 NUB |        | 20 | Y |     |
| 11333 | P LAB 002 W 11-12PM 2512 NUB |        | 20 | Y |     |
| 11334 | P LAB 004 T 12-2PM 2512 NUB |        | 20 | Y |     |
| 11335 | P LAB 005 T 10-12PM 2512 NUB |        | 20 | Y |     |
| 11336 | P LAB 006 M 2-4PM 2512 NUB |        | 20 | Y |     |
| 11338 | P DIS 010 W 3-4PM 2502 NUB |        | 20 | Y |     |
| 11339 | P DIS 011 T 9-10AM 2502 NUB |        | 20 | Y |     |
| 11340 | P DIS 012 M 3-4PM 2502 NUB |        | 20 | Y |     |
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| 11343 | P DIS 015 T 4-5PM 2502 NUB |        | 20 | Y |     |
| 11344 | P DIS 016 T 4-5PM 2502 NUB |        | 20 | Y |     |
| 21102 | P DIS 017 M 4-5PM 2502 NUB |        | 20 | Y |     |

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*Students who register for EARTH 118 must also be enrolled in EARTH 119.*

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*Students who register for EARTH 119 must also be enrolled in EARTH 118.*

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*Students who register for EARTH 118 must also be enrolled in EARTH 119.*

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*Students who register for EARTH 119 must also be enrolled in EARTH 118.*

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*Students who register for EARTH 118 must also be enrolled in EARTH 119.*

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*Students who register for EARTH 119 must also be enrolled in EARTH 118.*

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*Students who register for EARTH 118 must also be enrolled in EARTH 119.*

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*Students who register for EARTH 119 must also be enrolled in EARTH 118.*

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*Students who register for EARTH 118 must also be enrolled in EARTH 119.*

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*Students who register for EARTH 119 must also be enrolled in EARTH 118.*

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*Students who register for EARTH 118 must also be enrolled in EARTH 119.*

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*Students who register for EARTH 119 must also be enrolled in EARTH 118.*
To enroll in the Intro Geology Lab, enroll in any section of EARTH 118. Students are strongly encouraged to enroll in both EARTH 119 and 118.

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Students who register for EARTH 223 must also be enrolled in EARTH 222.

To enroll in the Intro Oceanography Lab, enroll in any section of EARTH 223. Students are strongly encouraged to enroll in both EARTH 222 and 223.
Students who register for EARTH 223 must also be enrolled in EARTH 222.

Students who register for EARTH 223 must also be enrolled in EARTH 222.

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STUDENTS WHO REGISTER IN SECTION 011 OR 012 WILL AUTOMATICALLY BE ENROLLED IN DISCUSSION SECTION 010. THE FIRST HALF OF THE TERM, LAB MEETINGS WILL TAKE PLACE AT THE BOT. GARDENS. THE BUS TO BOT. GARDEN LEAVES FROM FRONT OF RACKHAM BLDG. AT 8 AM AND RETURNS AT NOON.

STUDENTS WHO REGISTER IN SECTION 011 OR 012 WILL AUTOMATICALLY BE ENROLLED IN DISCUSSION SECTION 010. THE FIRST HALF OF THE TERM, LAB MEETINGS WILL TAKE PLACE AT THE BOT. GARDENS. THE BUS TO BOT. GARDEN LEAVES FROM FRONT OF RACKHAM BLDG. AT 1 PM AND RETURNS AT 5 PM.

LAB & DISCUSSION SECTIONS BEGIN THE WEEK OF SEPT. 9.

Instructor is Lynn Carpenter (landersn)

LAB & DISCUSSION SECTIONS BEGIN THE WEEK OF SEPT. 9.

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LAB & DISCUSSION SECTIONS BEGIN THE WEEK OF SEPT. 9.

Instructor is Lynn Carpenter (landersn)

This section meets Aug. 11 - Aug. 23 at the U-M Biological Field Station and is associated with EEB 401-001 (fall term on-campus lab). More info: [https://lsa.umich.edu/umbs/students/courses/microbiology---eeb-401.html](https://lsa.umich.edu/umbs/students/courses/microbiology---eeb-401.html)

Contact the dept. with questions.
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This course meets the first 7 weeks of the term (9/3-10/18)

This course meets with MCDB 801

This course meets with MCDB 801
Economics Department

Economics (ECON) Open Sections

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Students will be auto-enrolled in LEC 100 when they elect DIS 101-115.

There will be three midterms for this course: Thursday October 10, 8:10 - 9:40 PM; Tuesday November 5, 8:10 - 9:40 PM; and Wednesday December 4, 8:10 - 9:40 PM. All exams must be taken on the assigned dates and times. If you cannot take these exams as scheduled, please register for an open section in another lecture of Econ 101. No exceptions will be made to these exam dates and times.

No overrides will be issued for this class.

No overrides will be issued for this course. (TBD) All exams must be taken on the assigned dates and times. If you cannot take these exams as scheduled, please register for an open section in another lecture of Econ 101. No exceptions will be made to these exam dates and times.

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No overrides will be issued for this class.

No overrides will be issued for this class.

No overrides will be issued for this class.
This section is reserved for CSP students. Students must consult with a CSP advisor in order to receive permission to register for this section. Once classes begin, permission of the instructor is required. You can contact CSP for more information at 764-9128, csp-info@umich.edu, or see the override FAQ on our website.

102 Principles Econ II

24464 P DIS 101 TH 4-530PM 373 LORCH 4.00 ADVISORY

A MID 499 W 8-10PM ARR

22411 PDR DIS 501 F 1130-1PM 1528 NUB Zamzow 40 N

11008 P DIS 201 F 1130-1PM R0220 BUS 34 N

11111 P DIS 204 TH 230-4PM LEC RM 1 MLB 34 N

11113 P DIS 209 F 1-230PM 173 LORCH 33 N

24467 P DIS 210 TH 1130-1PM 34 N

This class will have evening exams on the following dates: TBD

Students will be auto-enrolled in section 100 when they elect sections 101-111. Midterm exams dates: (TBD)

23945 A MID 299 M 8-10PM ARR

20052 PI SEM 001 F 9-10AM 142 LORCH Proulx 25 N

24980 P SEM 001 F 1-230PM 140 LORCH Dudley 140 Y

259 Excel Econ&Bus Anal

31324 P R LEC 001 TTH 1130-1PM 1570 NUB Wan 40 Y

327 Economics Of Crime

30657 A R LEC 001 MW 1-230PM 3254 LSA Heller 30 Y

330 American Industries

340 International Econ

360 Developing Economic

380 Public Finance

398 Strategy

Students will be auto-enrolled in section 100 when they elect sections 101-102. This class will have evening exams on the following dates: TBD

26681 P DIS 004 F 1-2PM 120 WH 30 Y

26682 P DIS 005 F 2-3PM 120 WH 30 Y

26407 A R LEC 001 MW 230-4PM 1528 NUB Adams 35 Y

Students will be auto-enrolled in section 100 when they elect sections 101-102. This class will have evening exams on the following dates: TBD

30658 P LEC 001 MW 830-10AM AUD B AH 35 Y

30659 P LEC 001 MW 830-10AM 33 N
29823  P R DIS 003  TH  11-12PM  B856 EQ    35  Y
29821  A R LEC 001  TTH  830-10AM  296 WEISER  Peralta

401  Intermed Micro Thry  4.00  ADVISORY, ENFORCED
  11116  P R DIS 102  TH  10-1130AM  2310 SEB  Proulx  26  Y
  11117  P R DIS 103  TH  830-10AM  4212 SEB  26  Y
  11118  P R DIS 104  TH  1130-1PM  4151 USB  27  Y
  11119  P R DIS 105  TH  1130-1PM  1175 NQ  26  Y
  11120  P R DIS 106  TH  1-230PM  1650 CHEM  26  Y
  11121  P R DIS 107  TH  530-7PM  271 WEISER  26  Y
  11122  P R DIS 108  TH  230-4PM  1401 MH   26  Y
  11123  P R DIS 109  TH  230-4PM  1084 EH   26  Y
  17556  P R DIS 110  TH  830-10AM  142 LORCH  26  Y
  11124  P R DIS 111  TH  4-530PM  1033 DENT  26  Y
  25781  P R DIS 112  TH  4-530PM  1405 EQ   26  Y

Students will be auto-enrolled in the lecture section 001 when they elect a discussion section; Students must attend exams on (TBD)

11115  A R LEC 100  MW  1-230PM  AUD 3 MLB   Proulx
32942  A R MID 199  TH  8-10PM  ARR

402  Intermed Macro Thry  4.00  ADVISORY, ENFORCED
  11125  P R DIS 002  F  9-10AM  2229 SEB  35  Y
  11126  P R DIS 003  TH  3-4PM  373 LORCH  35  Y
  11127  P R DIS 004  F  1-2PM  373 LORCH  35  Y
  11128  P R DIS 005  F  2-3PM  180 TAP   35  Y
  11129  P R DIS 006  F  3-4PM  142 LORCH  35  Y
  11130  P R DIS 007  F  10-11AM  R0240 BUS 35  Y
  11131  P R DIS 008  F  9-10AM  1028 DANA  35  Y
  11132  P R DIS 009  F  11-12PM  1405 EQ   35  Y
  19283  P R LEC 010  TH  4-5PM  G127 AH   35  Y
  25594  P R DIS 011  TH  5-6PM  1405 EQ   35  Y

Students will be auto-enrolled in section 001 when they elect sections 002-010.

Midterm exams will be held in class on the following dates: (TBD). Please plan accordingly.

422  Personnel Economics  3.00  ENFORCED
  28100  P R LEC 001  MW  830-10AM  1400 CHEM  Brown  70  Y

341  Ind Organ & Perform  3.00  ENFORCED
  28030  P R LEC 001  TTH  10-1130AM  1360 EH  Fan  80  Y

345  Financial Econ  4.00  ADVISORY, ENFORCED
  30661  P R DIS 002  TH  2-3PM  373 LORCH  35  Y
  30662  P R DIS 003  TH  11-12PM  1448 MH   35  Y
  30663  P R DIS 004  F  11-12PM  2856 EQ   35  Y
  30664  P R DIS 005  F  2-3PM  1405 EQ   35  Y
  30659  A R LEC 001  MW  10-1130AM  AUD D AH  Ottonello

348  Ec Hlth Serv  3.00  ENFORCED
  28031  P R LEC 001  TTH  1-230PM  140 CHEM  Kowalski  70  Y

441  Inter Trade Theory  3.00  ENFORCED
  32759  P R LEC 001  TTH  530-7PM  G127 AH  Sotelo  70  Y

444  European Economy  4.00  ENFORCED
  26807  P R DIS 002  F  11-12PM  1339 MH   30  Y
  26808  P R DIS 003  F  12-1PM  LEC RM 1 MLB 30  Y
  26809  P R DIS 004  F  1-2PM  1632 CHEM  30  Y
  26810  P R DIS 005  F  2-3PM  2330 MH   30  Y

451  Inter Stat&Metrics I  4.00  ENFORCED
  23191  P R DIS 002  F  9-10AM  26500 BUS  35  Y
  23192  P R DIS 003  F  2-3PM  3333 MH   35  Y

452  InternStat&MetricsII  4.00  ENFORCED
  23190  P R LEC 001  TTH  830-10AM  260 WEISER  Asenova

Do not take this class if you have taken ECON 405 before!!!

453  Econ Development I  4.00  ENFORCED
  30671  P R DIS 002  F  10-11AM  R2240 BUS  35  Y
  30681  P R DIS 003  F  4-5PM  142 LORCH  35  Y

466  Econ of Population  3.00  ENFORCED
  28032  P R LEC 001  TTH  10-1130AM  2844 EH  Rotella  70  Y

485  Law & Economics  3.00  ENFORCED
  30660  P R LEC 001  TTH  230-4PM  2844 EH  Cho  70  Y
This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Narratives around combatting human trafficking are narrowly construed, with white cisgender girls typically portrayed as the victims of heteronormative sex trafficking. Such narratives, and interventions meant to aid trafficking victims, overlook LGBTQ+ communities and fail to address their needs. In this class, students will

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Narratives around combatting human trafficking are narrowly construed, with white cisgender girls typically portrayed as the victims of heteronormative sex trafficking. Such narratives, and interventions meant to aid trafficking victims, overlook LGBTQ+ communities and fail to address their needs. In this class, students will
work with stakeholders and incorporate insights from law, social work, public policy, health sciences, and other fields to identify interventions designed to help LGBTQ+ trafficking victims.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

741 Interdisc Prob Solv 3.00 ADVISORY
32521 PD LAB 002 W 315-415PM ARR Sankaran, Carr, Weiland 15 N
741 Interdisc Prob Solv 3.00 ADVISORY
32528 PD LAB 003 W 315-415PM 0220 JEFFRIES Kantor, Mohai 15 N

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). In Michigan, many children are subject to formal child abuse and neglect investigations, and those children are at high risk of subsequent maltreatment, poor school performance, foster care placement, and other adverse life outcomes. Multidisciplinary teams of students will develop tools to identify at-risk children, mitigate risks of maltreatment and removal from the home, and engage with at-risk families. Students will incorporate evidence and ideas from education, law, health sciences, public policy, social work, information, and other fields to develop innovative solutions.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

741 Interdisc Prob Solv 3.00 ADVISORY
32535 PD LAB 004 W 315-415PM ARR Gray, Carr 15 N
741 Interdisc Prob Solv 3.00 ADVISORY
32538 PD LAB 004 W 315-415PM 1060 JEFFRIES 15 N

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Some states, including California and Minnesota, reduce toxic airborne emissions and promote better health outcomes for residents by measuring the cumulative impact of hazardous air pollutants. In this class, students will determine why Michigan has failed to adopt such a cumulative impact approach. Students will incorporate ideas from environmental studies, law, health sciences, design, social work, and other fields to advance a solution that accounts for multiple, geographically-concentrated pollution sources and promotes environmental justice for all Michigan residents.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

899 Responsible Cond Res 0.65
24380 P SEM 001 W 1130-1PM 6080 ISR Anderson 30 N
### Exhibit Museum

**Museum Methods (MUSMETH) Open Sections**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Location</th>
<th>CR</th>
<th>Time</th>
<th>Instructor</th>
<th>Open Seats</th>
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**Museum Methods (MUSMETH) Open Sections**

- **Course Title**: Exhibit Museum
- **Location**: Open Sections
- **CR**: Open Sections
- **Time**: Open Sections
- **Instructor**: Open Sections
- **Open Seats**: Open Sections
- **WL**: Open Sections
# Film, Television, and Media (FTVM) Open Sections

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<th>Course Title</th>
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U of M Open Classes Only Schedule of Classes Page 189 of 413 FA 2019 2260 04-01-2019 12:04 21251132
<table>
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<tr>
<th>Course Title</th>
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**Scandinavian (SCAND) Open Sections**

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## History Department

### History (HISTORY) Open Sections

--IT IS CRITICAL THAT STUDENTS ATTEND CLASS FROM THE BEGINNING OF THE TERM. ALTHOUGH STUDENTS MAY BE OFFICIALLY REGISTERED FOR A COURSE, THE DEPARTMENT MAY DISENROLL ANY STUDENT NOT ATTENDING THE FIRST TWO COURSE MEETINGS.

--DISCUSSION SECTIONS DO NOT MEET UNTIL AFTER FIRST LECTURE.

--STUDENTS ARE ENCOURAGED TO USE THE WAITLIST FOR ANY CLOSED COURSE. STUDENTS SHOULD REGISTER ON THE WAITLIST ACCORDING TO PREFERRED SECTION AND ATTEND THE FIRST CLASS. UP TO THE FIRST DAY OF CLASS, OVERRIDES WILL BE GIVEN BY THE DEPARTMENT AS SPACE BECOMES AVAILABLE. STUDENTS ARE NOTIFIED AND GIVEN TWO DAYS TO USE THE OVERRIDE, AFTER WHICH THE SPOT MAY GO TO AN ALTERNATE STUDENT ON THE WAITLIST. ONCE CLASSES HAVE STARTED, STUDENTS (WAITLISTED OR NOT) MUST CONTACT THE INSTRUCTOR FOR AN OVERRIDE.

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### Section 011

Reserved for CSP/Bridge students only. CSP students can sign up for this CSP section through History 101 (without permission) or write to Prof. Mir (fmir@umich.edu) for permission to register in INTLST 205.011.
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This class will meet at a time and place TBD to discuss future meeting dates.
# History Of Art Department

## History of Art (HISTART) Open Sections

**NOTE - HISTORY OF ART DISCUSSION SECTIONS DO NOT MEET THE FIRST WEEK OF CLASSES.**

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U of M Open Classes Only Schedule of Classes
Honors Program

College Honors (HONORS) Open Sections

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This section does not start the first week of classes.

231  | Honors Core HU | 4.00 |        |         | | |

This section does not start the first week of classes. This section meets 9/11 through 10/25.

Reading the Quran

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-005.

Reading the Quran

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-005.

Reading the Quran

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-005.

Reading the Quran

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-005.

232  | Honors Core NS | 4.00 |        |         | | |

Your Inner Ape

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-007.

Your Inner Ape

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-007.

Your Inner Ape

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-007.

Your Inner Ape

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-007.

233  | HON Core ID | 4.00 |        |         | | |

Hlth,Biol,Soc:What is Cancer?

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-005.

Hlth,Biol,Soc:What is Cancer?

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-005.

Hlth,Biol,Soc:What is Cancer?

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-005.

241  | Hon Core Writing HU | 4.00 | 50.00 |        | | |

Westworld- Being Human

Students are auto-enrolled in lecture 010 when they elect one of discussions 011-016.

Westworld- Being Human

Students are auto-enrolled in lecture 010 when they elect one of discussions 011-016.

Westworld- Being Human

Students are auto-enrolled in lecture 010 when they elect one of discussions 011-016.
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Humanities Institute

Institute For The Humanities (INSTHUM) Open Sections

311 Topics Interdis Stu 1.00

24382 P SEM 001 M 2-4PM ARR 21 Y

The Unended Korean War

This mini-course takes place every Monday, October 21-December 2.
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International Institute

International and Regional Studies (INTLRGN) Open Sections

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Judaic Studies Program

Judaic Studies (JUDAIC) Open Sections

101 First Year Yiddish I 4.00
28766 P REC 001 MW 9-10AM 3000 STB Yashinsky 10 Y
101 First Year Yiddish I 4.00
28767 P REC 001 F 9-11AM 3000 STB Yashinsky 10 Y
120 Elem Class Hebrew I 3.00
28691 P REC 001 ARR ARR 6 Y
150 Seminar in JS 3.00 ADVISORY
29319 P R SEM 003 TTH 4-530PM 3304 MLB Tsioffar 18 Y
201 2nd Year Yiddish I 4.00 ADVISORY
28768 P REC 001 ARR ARR 10 Y
205 What Is Judaism? 3.00
20031 P LEC 001 TTH 1-230PM 1175 NQ Wollenberg 40 N
210 Sources/Jewish Hist 3.00
31799 P REC 001 MW 4-530PM 2336 MH Mays 35 N
218 HU Topics in Judaism 3.00
31357 P SEM 001 MW 530-7PM 2114 MLB Roby 30 Y
Policing and Civil Rights
220 Intmd Class Hebrew I 4.00 ADVISORY
31996 P REC 001 MW 1130-1PM 3205 MLB Schmidt 10 Y
223 Problem w/ the Bible 3.00
31358 P REC 001 TTH 10-1130AM Wollenberg 24 Y
235 Intro Old Test 3.00
31585 P LEC 001 TTH 1-230PM 1033 DENT Schmidt 20 N
280 The Historical Jesus 4.00
27306 P DIS 002 F 10-11AM 506 BMT Boccaccini 25 Y
27307 P DIS 003 F 2-3PM 2185 NQ Boccaccini 25 Y
27303 P LEC 001 MW 230-4PM 1427 MH Boccaccini 25 Y
310 Exp Lrng in Judaic 3.00
28760 P SEM 001 TH 4-6PM 2265 NQ Gineburg 13 Y
318 HU Topics in Judaism 4.00-4.00
33779 P REC 004 TTH 1130-1PM ARR Bardenstein 5 Y
Blackness and Jewishness
360 Jews of Spain 3.00 ADVISORY
31356 P SEM 001 MW 1130-1PM 3333 MH Mays 30 Y
386 The Holocaust 4.00
23020 P DIS 002 T 12-1PM 3242 LSA 25 Y
23022 P DIS 003 T 12-1PM 49 UUMA 24 Y
23024 P DIS 004 W 9-10AM 2407 MH 25 Y
23026 P DIS 005 W 9-10AM 5179 AH 25 Y
25154 P DIS 006 W 10-11AM B124 MLB 24 Y
25634 P DIS 007 W 11-12PM 2163 AH 25 Y
25636 P DIS 008 W 12-1PM 5180AH 25 Y
26314 P DIS 009 W 3-4PM 5521 HH 25 Y
32032 P DIS 010 W 4-5PM 3314 MH 25 Y
23018 A LEC 001 TTH 10-1130AM AUD B AH Veidlinger 25 Y
387 Hist American Jews 4.00
25073 P DIS 002 W 9-10AM 3347 MH 25 Y
25075 P DIS 003 W 10-11AM 1427 MH 25 Y
25071 A LEC 001 TTH 1130-1PM 3330 MH Dash Moore 30 Y
389 Jewish Literature 3.00
26770 P LEC 001 TTH 1-230PM 2271 AH Cohen 30 Y
Postwar Jewish Fiction
417 Topics Judaic Studies 3.00
31359 P SEM 001 TTH 530-7PM 5449 MH Dash Moore 22 Y
From Ghetto to Suburb
32622 P SEM 002 ARR ARR Barzilai 10 Y
Ethnicity in Israeli Lit&Culture
29199 P SEM 004 MW 530-7PM 1155 NQ Boccaccini 11 Y
Paul Seen by Christians & Jews
431 Beg Yiddish 1-Grad 4.00
29581 P REC 001 MW 9-10AM 3000 STB Yashinsky 10 Y
431 Beg Yiddish 1-Grad 4.00
29584 P REC 001 F 9-11AM 3000 STB Yashinsky 10 Y
505 What Is Judaism? 3.00 ADVISORY
20568 P LEC 001 TTH 10-1130AM 1303 MH Gineburg 14 N
531 Int Yiddish 1-Grad 4.00 ADVISORY
29583 P REC 001 ARR ARR Yashinsky 10 Y
617 Judaic Grad Topics 3.00
33865 P REC 001 W 4-7PM ARR Spector 4 Y

Yiddish (YIDDISH) Open Sections

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College of Literature, Science, and the Arts

Geography (GEOG) Open Sections

145 Int to Intnl Studies 3.00

20139 P DIS 002 TH 4-530PM 355 WEISER

Please note that the discussion sections for this class will meet approximately 8 times during the Fall 2019 term, instead of the Thursday lecture. Dates will be noted on the Fall 2019 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

20140 P DIS 003 TH 230-4PM 355 WEISER

Please note that there is not a time conflict between discussion and lecture. The discussion sections for this class will meet approximately 8 times during the Fall 2019 term, instead of the Thursday lecture. On days when discussion is held, lecture will not be. Dates will be noted on the Fall 2019 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

20141 P DIS 004 TH 830-10AM 355 WEISER

Please note that the discussion sections for this class will meet approximately 8 times during the Fall 2019 term, instead of the Thursday lecture. Dates will be noted on the Fall 2019 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

20142 P DIS 005 F 230-4PM 355 WEISER

Please note that the discussion sections for this class will meet approximately 8 times during the Fall 2019 term, instead of the Thursday lecture. Dates will be noted on the Fall 2019 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

20143 P DIS 006 TH 1-230PM 455 WEISER

Please note that the discussion sections for this class will meet approximately 8 times during the Fall 2019 term, instead of the Thursday lecture. Dates will be noted on the Fall 2019 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

20144 P DIS 007 F 4-530PM 355 WEISER

Please note that the discussion sections for this class will meet approximately 8 times during the Fall 2019 term, instead of the Thursday lecture. Dates will be noted on the Fall 2019 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

20826 P DIS 009 TH 1130-1PM 355 WEISER

Please note that the discussion sections for this class will meet approximately 8 times during the Fall 2019 term, instead of the Thursday lecture. Dates will be noted on the Fall 2019 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

20827 P DIS 010 TH 830-10AM 455 WEISER

Please note that the discussion sections for this class will meet approximately 8 times during the Fall 2019 term, instead of the Thursday lecture. Dates will be noted on the Fall 2019 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

20828 P DIS 008 F 1-230PM 455 WEISER

Please note that the discussion sections for this class will meet approximately 8 times during the Fall 2019 term, instead of the Thursday lecture. Dates will be noted on the Fall 2019 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

21124 P R DIS 012 TH 10-1130AM 455 WEISER

This section is reserved for Honors students only. Also, note that the discussion sections for this class will meet approximately 8 times during the Fall 2019 term, instead of the Thursday lecture. Dates will be noted on the Fall 2019 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

201 Intro Geography 4.00

16101 P LAB 002 M 12-2PM 2512 NUB

16968 P LAB 003 M 4-6PM 2512 NUB

11330 P LAB 004 W 12-2PM 2512 NUB

21371 P LAB 005 W 2-4PM 2512 NUB

22125 P LAB 006 M 10-12PM 2512 NUB

22126 P LAB 007 F 10-12PM 2512 NUB

11329 A LEC 001 TTH 1130-1PM 1528 NUB Gleason
LS&A First Year Seminars

Applied Liberal Arts (ALA) Open Sections

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Limited to participants in MICHIGAN COMMUNITY SCHOLARS PROGRAM. CLASS MEETS SEPT 6 - NOV 15.

| 11961 A LEC 001 T | 6-8PM | 1360 EH | Woods |

| 105 Digital Research | 1.00 | ADVISORY |
| 20156 PIR LAB 001 TTH | 3-4PM | 2302 SEB | Peters | 25 Y |
| 20157 PIR LAB 002 ARR | ARR | ARR | Bradley | 30 Y |

This class is taught entirely online.

| 106 Health & Health Care | 3.00 | ADVISORY |
| 16945 P R LAB 002 T | 4-530PM | 1060 BSB-TBL | Eickmeyer | 120 Y |

Restricted to students in Health Sciences Scholars Program.

| 107 WISE RP Seminar | 1.00 | ADVISORY |
| 20483 P R LEC 001 W | 3-430PM | 2260 USB | Bass | 105 Y |

ALA 107 will be taught everyother week, beginning Sept 4th. Enrollment restricted to FY WISE RP students.

In addition to the regular class times, there will be two required sessions on Tuesday evenings from 6:00-8:00pm.

| 115 Finance Savvy Studnt | 1.00 | ENFORCED |
| 25261 P R LEC 001 TH | 4-5PM | 4151 USB | Bhaumik | 40 Y |
| 25326 P R LEC 002 W | 4-5PM | 3437 MH | Robson | 30 Y |

| 122 Intrgrp Dialogue | 3.00 |
| 18366 PI SEM 001 W | 230-530PM | 170 WEISER | Hwang | 150 N |
| 125 Internship Success | 1.00 |
| 25262 P LEC 001 W | 530-730PM | 4151 USB | Bhaumik | 40 Y |
| 25264 P LEC 002 TH | 530-730PM | A859 CHEM-TBLC | 40 Y |

| 171 Make the Most of UM | 1.00 |
| 26507 P R SEM 001 T | 7-9PM | ARR | Gurin | 15 Y |

This class will meet from the week of Sept 3 through Oct 17 in East Quad, BB52.

| 26992 P R SEM 002 T | 7-9PM | ARR | Gurin | 15 Y |
| 26993 P R SEM 003 T | 7-9PM | ARR | Gurin | 15 Y |
| 26994 P R SEM 004 T | 7-9PM | ARR | Gurin | 15 Y |

This class will meet from the week of Sept 3 through Oct 17 in West Quad, G023.

| 26995 P R SEM 005 W | 1-3PM | ARR | Gurin | 15 Y |
| 26996 P R SEM 006 W | 6-8PM | ARR | Gurin | 15 Y |

This class will meet from the week of Sept 3 through Oct 17 in a room TBA.

| 26997 P R SEM 007 W | 6-8PM | ARR | Gurin | 15 Y |
| 26998 P R SEM 008 W | 6-8PM | ARR | Gurin | 15 Y |

This class will meet from the week of Sept 3 through Oct 17 in Alice Lloyd, Living Room.

| 26999 P R SEM 009 W | 6-8PM | ARR | Gurin | 15 Y |

This class will meet from the week of Sept 3 through Oct 17 in Bursley, Mcgraham Siwik Lounge.

| 27000 P R SEM 010 TH | 1-3PM | ARR | Gurin | 15 Y |
| 27001 P R SEM 011 TH | 530-730PM | ARR | Gurin | 15 Y |
| 27002 P R SEM 012 TH | 530-730PM | ARR | Gurin | 15 Y |

This class will meet from the week of Sept 3 through Oct 17 in Markley, Sharangpani Lounge.

| 27003 P R SEM 013 TH | 530-730PM | ARR | Gurin | 15 Y |

This class will meet from the week of Sept 3 through Oct 17 in Cousens, Room 1417.

| 27004 P R SEM 014 TH | 530-730PM | ARR | Gurin | 15 Y |

This class will meet from the week of Sept 3 through Oct 17 in East Quad, BB34.

175 BLI Leadership Lab | 1.00 | ENFORCED |
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### University Courses (UC) Open Sections

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U of M Open Classes Only Schedule of Classes  Page 211 of 413  FA 2019 2260 04-01-2019 12:04 21251132
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Sustainability Leadership

Spanish Language Section

Must be concurrently enrolled in either AMCULT 315-002 or HISTORY 377-002.

Scholarly Integrity MATH

This class will be meeting the following Mondays:

Sep 10, 17 & 24;
Oct 1, 22, & 29;
Nov 5 & 19;
Specific locations to be determined.

Scholarly Integrity PHYSICS

This class has changed titles - it is now Leadership & Management

Scholarly Leadership

Spanish Language Section

Must be concurrently enrolled in either AMCULT 315-002 or HISTORY 377-002.
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Middle Eastern And North African Studies (MENAS) Open Sections

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Meets with MENAS 591-001.

Meets with MENAS 591-002.

Meets with MENAS 591-003.
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#### Korean Studies (KRSTD) Open Sections

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LSA II: Prog in Internatl & Comparative Studies

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170 INTLSTD Spec Topics

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### Department of Linguistics

#### Cognitive Science (COGSCI) Open Sections

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#### Linguistics (LING) Open Sections

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### Notes:
- Classes are scheduled according to U of M Open Classes Only Schedule of Classes.
- The Page number and the total pages are indicated at the bottom: Page 224 of 413.
- The FA 2019 2260 04-01-2019 12:04 21251132 timestamp is also provided at the bottom.
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## Lloyd Hall Scholars Program

### Lloyd Hall Scholars Program (LHSP) Open Sections

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## Mathematics Department
### Mathematics (MATH) Open Sections

--MATH DEPARTMENT POLICY REQUIRES THAT STUDENTS ATTEND THE FIRST TWO CLASS MEETINGS (OR NOTIFY THE INSTRUCTOR IN ADVANCE OF THEIR ABSENCE) OR THEY MAY BE DROPPED FROM THE CLASS.

--STUDENTS SHOULD CHECK WOLVERINE ACCESS FOR SECTION AVAILABILITY AND SCHEDULE CHANGES.

--MATH DEPARTMENT POLICY LIMITS STUDENTS TO A TOTAL OF 4 CREDITS FOR COURSES NUMBERED BELOW 111.

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This section is reserved for CSP students. Students must consult with a CSP advisor in order to receive permission to register for this section. Once classes begin, permission of the instructor is required. You can contact CSP for more information at 764-9128, csp-4info@umich.edu, or see the override FAQ on our website.

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Auto-enrollment midterm exam

216 Intro Diff Equat

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11611| LAB 024 TH | 4-5PM | B743 EH | 20 | Y |
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316 | Differential Equatn | 3.00 | ADVISORY, ENFORCED | |
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| 20523 | P LEC 002 | MWF | 10-11AM | 3096 EH | Alben |
| 29888 | P LEC 003 | MWF | 9-10AM | 4096 EH | Ji |

371 | Num Math Engr | 3.00 | ADVISORY | |
| 11639 | P LEC 001 | TTH | 12-130PM | 2166 DOW | Veerapaneni |
| 16152 | P LEC 002 | TTH | 1030-12PM | 2166 DOW | Veerapaneni |

385 | Elem Sch Teach | 3.00 | ADVISORY | |
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| 11641 | P LEC 002 | M | 230-4PM | 2353 MH | Canton |
| 11642 | P LEC 002 | W | 230-4PM | 2347 MH | |

404 | Interm Diff Eqns | 3.00 | ADVISORY | |
| 11644 | P LEC 001 | MWF | 830-10AM | 335 WH | Newberry |

417 | Matrix Algebra I | 3.00 | ADVISORY | |
| 11647 | P LEC 001 | MWF | 10-11AM | 2866 EH | Gries Jr |
| 11648 | P LEC 002 | MWF | 9-10AM | 1084 EH | Gries Jr |
| 11649 | P LEC 003 | MWF | 12-1PM | 4096 EH | Derksen |

419 | Lin Sp Matrix Thy | 3.00 | ADVISORY | |
| 11651 | P LEC 001 | TTH | 830-10AM | 1018 DOW | Barvinok |
| 11652 | P LEC 002 | TTH | 12-130PM | 1024 FXB | Barvinok |

420 | Adv Linear Algebra | 3.00 | ADVISORY | |
| 22259 | P LEC 001 | MWF | 10-11AM | 1084 EH | Mustata |

425 | Intro Probabil | 3.00 | ADVISORY | |
| 11653 | P LEC 001 | MWF | 8-9AM | 260 WEISER | |
| 29548 | P LEC 010 | TTH | 830-10AM | 260 WEISER | Natarajan |
| 11654 | P LEC 003 | MWF | 9-10AM | 1084 EH | 20 Y |
| 11655 | P LEC 004 | MWF | 10-11AM | 1084 EH | 20 Y |
| 11656 | P LEC 005 | MWF | 1-2PM | 1084 EH | 20 Y |
| 11657 | P LEC 006 | MWF | 11-12PM | 1084 EH | 20 Y |
| 16024 | P LEC 007 | TTH | 8-9AM | 1084 EH | 20 Y |
| 16679 | P LEC 008 | TTH | 230-4PM | 1084 EH | 20 Y |

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# Middle East Studies Department

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Hebrew Pedagogy

404 | Israeli Lit & Culture | 31954 | SEM 001 | P | ARR ARR | Barzilai | 3.00 ADVISORY | 10 Y |

Mod Hebrew Readings

409 | Mod Hebrew Readings | D IND + Topics Hebrew | 31952 | SEM 001 | P | 1130-1PM | 3000 STB | ARR ARR | 1.00 ADVISORY | 2 N |

Media Hebrew

501 | Elem Mod Hebrew I | 30170 | REC 001 | P | ARR | 10-1130AM | 11-1PM | ARR | 5.00 | 1 Y |

Middle East Languages (MELANG) Open Sections

201 | Intmd Class Hebrew I | 31779 | REC 001 | P | 1130-1PM | 3205 MLB | Schmidt | 3.00 ADVISORY | 10 Y |

307 | Syoptic Gosp | 30891 | LEC 001 | MTTHF | P | 9-10AM | 1437 MH | Haug | 4.00 ADVISORY | 15 Y |

420 | Intro to Akkadian | 31969 | REC 001 | P | 9-10AM | 3319 MLB | Beckman | 3.00 ADVISORY | 5 Y |

430 | Intr Middle Egyptn I | 25058 | REC 001 | P | ARR | ARR | Davis | 3.00 ADVISORY | 5 Y |

Middle East Studies (MIDEAST) Open Sections

200 | Intro to Middle East | 10705 | DIS 002 | F | 9-10AM | 2022 STB | Ali | 4.00 ADVISORY | 25 Y |

10706 | DIS 003 | F | 11-12PM | G311 DENT | Ali |    | 25 Y |

16178 | DIS 004 | F | 1-2PM | 3437 MH | Ali |    | 25 Y |

32194 | DIS 005 | F | 3-4PM | 1110 NQ | Ali |    | 25 Y |

10704 | LEC 001 | TTH | 1150-1PM | AUD B AH | Ali |    | 25 Y |

207 | Lnd Israel-Palestine | 23952 | DIS 002 | TH | 4-5PM | G026 TISCH | Eliav | 4.00 ADVISORY | 20 Y |

23009 | DIS 003 | TH | 5-6PM | B122 MLB | Eliav |    | 20 Y |

23010 | DIS 005 | F | 11-12PM | 3207 LSA | Eliav |    | 20 Y |

23011 | DIS 006 | F | 12-1PM | 1155 NQ | Eliav |    | 20 Y |

23012 | DIS 007 | F | 1-2PM | 2155 NQ | Eliav |    | 20 Y |

32173 | DIS 008 | F | 9-10AM | 1155 NQ | Eliav |    | 20 Y |

23004 | LEC 001 | TTH | 1-230PM | 1360 EH | Eliav |    | 20 Y |

209 | Food & Drink in MidE | 28902 | DIS 002 | F | 10-12PM | G020 SPH2 | Hagen, Emberling | 4.00 ADVISORY | 25 Y |

Section 002 discussion/lab will meet biweekly.

28903 | DIS 003 | F | 10-12PM | 2310 SEB | Hagen, Emberling | 25 Y |

Section 003 discussion/lab will meet biweekly.

28901 | LEC 001 | TTH | 10-1130AM | 3330 MH | Hagen, Emberling | 25 Y |
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This course is scheduled according to student availability. Please contact the instructor Nilay Sevinc (nsevinc@umich.edu) if you are interested in taking this course.
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LECTURE AND LABS BEGIN MONDAY, SEPT. 9. PLACES MUST BE CLAIMED AT THE BEGINNING OF THE FIRST LAB MEETING. THREE EXTRA HOURS PER WEEK WILL BE REQUIRED IN ADDITION TO THE SCHEDULED LABS.
This course meets the first 7 weeks of the term (9/3-10/18)

600 Topics in MCDB
29938 PIR SEM 001 M 4-5PM ARR Wierzbicki
Gene Regulation
MCDB 600 section 001 will meet in 5150 BSB.
27535 PIR SEM 002 ARR Kuwada
Molecular & Genetic Neurobiology
30397 PIR SEM 003 T 11-1230PM ARR Nielsen
Plant Molecular Biology
31771 PIR SEM 004 F 11-12PM ARR Kwon
Curr Top in Cortical Circuits
MCDB 600 section 004 will meet in 4222 BSB.

610 Principles Neuro I
16027 PD SEM 001 TTH 1-3PM 4130 USB Seasholtz
610 Principles Neuro I
16028 PD SEM 001 TTH 1-3PM 4130 USB Seasholtz
611 Neurochem/Neuropharm
16029 PI SEM 001 ARR ARR
615 Cellular & Molec Biol
26420 P SEM 001 T 4-7PM 1632 CHEM Jakob
623 Molecular Neuro Lab
19252 PD LAB 001 MTWTHF 7-8AM ARR Thompson

632 Exp Genetics Systems
16202 PD LEC 001 M 1-2PM 4917 BUHL Boyle
This lecture is for Genetics Training Program current and past trainees. Class meets every other Monday.

800 Biology Seminar
16055 PI SEM 001 F 12-130PM ARR Simmons
Topics in Cell & Molec Biol
801 Supervised Teaching
16056 P R SEM 001 M 530-730PM 1250 USB Clark
This course meets with EEB 801
## Organizational Studies

Organizational Studies (ORGSTUDY) Open Sections

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Open to concentrators only.

- Prisons and Social Control
- Open to senior concentrators only.
- Students will not get credit for this course if they have previously taken, or are concurrently enrolled in, OS 205, OS 495, or Psych 487 with Arnold Ho.
# Philosophy Department

## Philosophy (PHIL) Open Sections

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Interested students are encouraged to join the waitlist. Any decision about adding sections will be made based upon the number of students on the waitlist.

No credit will be given to students who took PHIL 160.010 in Fall 2014

11690    | A  LEC 001 TTH | 1-2PM | 1210 CHEM | Maitra | | |

401      | Ug Honors Seminar | 3.00 |
| 24005    | P R  SEM 001 W | 4-6PM | 2271 AH | Buss | | |

413      | Formal Methods | 3.00 |
| 30959    | P  LEC 001 TTH | 10-1130AM | 2320 SEB | Moss | | |

426      | Philo & Ling Theory | 3.00 |
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**Philosophy, Politics and Economics (PPE) Open Sections**

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**U of M Open Classes Only Schedule of Classes**

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**FA 2019 2260 04-01-2019 12:04 21251132**
Physics Department

Physics (PHYSICS) Open Sections

-- A STUDENT WHO DOES NOT ATTEND THE FIRST MEETING OF A BIOLOGY, CHEMISTRY, OR PHYSICS LAB MAY BE DROPPED FROM THAT COURSE FOR NON-ATTENDANCE. ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION PROCESS TO MAKE SURE THAT THEIR OFFICIAL COURSE SCHEDULES MATCH THE COURSES THEY ARE ATTENDING.

-- WAITLIST THROUGH WEB REGISTRATION AND THEN CHECK WITH THE PHYSICS STUDENT SERVICES OFFICE FOR PROCEDURES.

PHYSICS LABS 127, 128, 141, & 241 DON'T START UNTIL THE FIRST FULL WEEK OF CLASSES.

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| 135 | Phys Life Science I | 4.00 | ADVISORY | |
| 20106 | P LEC 001 | MTTHF | 2-3PM | 170 WEISER | Zochowski | 250 | Y |

Students should elect PHYSICS 136 as the corresponding lab.

20107 | P LEC 002 | MTTHF | 3-4PM | 170 WEISER | Lau | 250 | Y |

Students should elect PHYSICS 136 as the corresponding lab.

21432 | PDR LEC 003 | MTTHF | 1-2PM | 271 WEISER | Melnichuk | 22 | N |

This section is reserved for CSP students. Students must consult with a CSP advisor in order to receive permission to register for this section. Once classes begin, permission of the instructor is required. You can contact CSP for more information at 764-9128, csp-4info@umich.edu, or see the override FAQ on our website.

Students should elect PHYSICS 136 as the corresponding lab.

| 136 | Life Sciences Lab I | 1.00 | ADVISORY | 25.00 |
| 20069 | P LAB 001 | M | 1-3PM | 1261 RAND | | 21 | Y |
| 20070 | P LAB 002 | M | 3-5PM | 1261 RAND | | 21 | Y |
| 20071 | P LAB 003 | M | 5-7PM | 1261 RAND | | 21 | Y |

Please make sure this lab section does not conflict with evening exams for other courses.

20072 | P LAB 004 | M | 7-9PM | 1261 RAND | | 21 | Y |

Please make sure this lab section does not conflict with evening exams for other courses.

20073 | P LAB 010 | T | 8-10AM | 1261 RAND | | 21 | Y |
| 20074 | P LAB 011 | T | 10-12PM | 1261 RAND | | 21 | Y |

Students should elect PHYSICS 136 as the corresponding lab.

20075 | P LAB 012 | T | 1-3PM | 1261 RAND | | 21 | Y |
| 20076 | P LAB 014 | T | 3-5PM | 1261 RAND | | 21 | Y |

Please make sure this lab section does not conflict with evening exams for other courses.

20077 | P LAB 015 | T | 7-9PM | 1261 RAND | | 21 | Y |

Please make sure this lab section does not conflict with evening exams for other courses.

20078 | P LAB 020 | W | 8-10AM | 1261 RAND | | 21 | Y |
| 20079 | P LAB 021 | W | 10-12PM | 1261 RAND | | 21 | Y |

Students should elect PHYSICS 136 as the corresponding lab.

21766 | P LAB 022 | W | 1-3PM | 1261 RAND | | 21 | Y |
| 20080 | P LAB 023 | W | 3-5PM | 1261 RAND | | 21 | Y |

Please make sure this lab section does not conflict with evening exams for other courses.

21767 | P LAB 024 | W | 5-7PM | 1261 RAND | | 21 | Y |

Please make sure this lab section does not conflict with evening exams for other courses.

20081 | P LAB 025 | W | 7-9PM | 1261 RAND | | 21 | Y |

Students should elect PHYSICS 136 as the corresponding lab.

20082 | P LAB 030 | TH | 8-10AM | 1261 RAND | | 21 | Y |
| 20083 | P LAB 031 | TH | 10-12PM | 1261 RAND | | 21 | Y |

Students should elect PHYSICS 140 as the corresponding laboratory course.

20084 | P LAB 032 | TH | 1-3PM | 1261 RAND | | 21 | Y |

Students should elect PHYSICS 141 as the corresponding laboratory course.

20085 | P LAB 033 | TH | 3-5PM | 1261 RAND | | 21 | Y |
| 20086 | P LAB 034 | TH | 5-7PM | 1261 RAND | | 21 | Y |

This section of PHYSICS 140 varies from the traditional lecture model of the course. The Physics Department is piloting a new "studio" instruction model with this section.

20087 | P LAB 040 | F | 8-10AM | 1261 RAND | | 21 | Y |
| 26859 | P LAB 041 | F | 10-12PM | 1261 RAND | | 21 | Y |

Students should elect PHYSICS 141 as the corresponding laboratory course.

26860 | P LAB 042 | F | 1-3PM | 1261 RAND | | 21 | Y |

Students should elect PHYSICS 141 as the corresponding laboratory course.

140 | General Physics I | 4.00 | ADVISORY | |
| 20100 | P LEC 001 | MTWTH | 9-10AM | 182 WEISER | Popov | 230 | Y |

Students should elect PHYSICS 141 as the corresponding laboratory course.

20102 | P LEC 002 | MTWTH | 10-11AM | 182 WEISER | Popov | 230 | Y |

Students should elect PHYSICS 141 as the corresponding laboratory course.

32640 | LEC 003 | TTH | 8-10AM | 1060 BSB-TBL | McKay | 120 | Y |

This section of PHYSICS 140 varies from the traditional lecture model of the course. The Physics Department is piloting a new "studio" instruction model with this section.

20101 | P LEC 004 | T | 10-12PM | 1060 BSB-TBL | Huterer | 120 | Y |

This section of PHYSICS 140 varies from the traditional lecture model of the course. The Physics Department is piloting a new "studio" instruction model with this section.

Students should elect PHYSICS 141 as the corresponding laboratory course.

32645 | PDR LEC 005 | MTWTHF | 11-12PM | 268 WEISER | | 25 | N |

This section is reserved for CSP students. Students must consult with a CSP advisor in order to receive permission to register for this section. Once classes begin, permission of the instructor is required. You can contact CSP
Students should elect PHYSICS 141 as the corresponding laboratory course.

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Please make sure this lab section does not conflict with evening exams for other courses.

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Please make sure this lab section does not conflict with evening exams for other courses.

Students should elect PHYSICS 161 (or PHYSICS 141) as the corresponding laboratory course.

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Students should elect PHYSICS 236 as the corresponding laboratory course.

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Please make sure this lab section does not conflict with evening exams for other courses.

Students should elect PHYSICS 241 as the corresponding laboratory course.

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Students should elect PHYSICS 241 as the corresponding laboratory course.

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Please make sure this lab section does not conflict with evening exams for other courses.

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Please make sure this lab section does not conflict with evening exams for other courses.
Students should elect PHYSICS 241 as the corresponding laboratory course.

20105 P LEC 003 MTWTH 11-12PM 170 WEISER Winn 250 Y

Students should elect PHYSICS 241 as the corresponding laboratory course.

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Please make sure this lab section does not conflict with evening exams for other courses.

26871 P LAB 015 T 7-9PM 1209 RAND | | |

Please make sure this lab section does not conflict with evening exams for other courses.

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261 Honors E&M Lab

18460 P LAB 001 W 1-4PM 1209 RAND | | 0.00 | ADVISORY | 25.00 |

340 Waves Heat Light

11791 P R LEC 001 MW 9-10AM 260 WEISER Eckhause 85 Y

340 Waves Heat Light

11746 P R LEC 001 TTH 4-530PM 1200 CHEM Zhu 55 Y

351 Meth Theoretical I

360 Honors Physics III

31667 P R DIS 002 F 12-1PM 4404 RAND | | 3.00 | ADVISORY | ENFORCED |
| 31670 P R DIS 003 F 2-3PM 4404 RAND | | | |
| 21763 P R LEC 001 MWF 9-10AM 269 WEISER Elvang | | | |

370 PhysChem Princip

19146 P R LEC 001 TTH 1130-1PM 271 WEISER Wymore 25 Y

390 Intro Modern Phys

11740 P R LEC 001 MWF 12-1PM 1230 USB Li 80 N

391 Modern Physics Lab

24327 P R LAB 001 M 1-4PM 4265 RAND Akerlof 16 N
| 25382 P R LAB 002 T 1-4PM 4265 RAND Spitz 16 N |
| 25381 P R LAB 003 W 1-4PM 4265 RAND Zhou 16 N |
| 24328 P R LAB 004 TH 9-12PM 4265 RAND Lau 16 N |
| 31819 P R LAB 005 TH 9-12PM 4265 RAND Uher 16 N |

401 Intermed Mechanics

26901 P R DIS 002 M 5-6PM 268 WEISER 22 Y
| 27386 P R DIS 003 M 6-7PM 268 WEISER 22 Y |
| 11741 P R LEC 001 MWF 10-11AM 335 WH Safdi | 3.00 | ENFORCED |

402 Optics

24413 P R LEC 001 MW 1-230PM 4404 RAND Cundiff 20 Y

405 Intermed Elec-Mag

26902 P R DIS 002 TH 5-6PM 4151 USB 22 Y
| 27387 P R DIS 003 TH 6-7PM 268 WEISER 22 Y |
| 11742 P R LEC 001 MWF 9-10AM 120 WH Schwarz 25 Y |

406 Stat&Thermal Phys

26903 P R DIS 002 F 8-9AM 4404 RAND 25 Y
| 29808 P R DIS 003 F 9-10AM 4404 RAND 25 Y |

Please make sure this lab section does not conflict with evening exams for other courses.

420 Electromagn

U of M Open Classes Only Schedule of Classes Page 249 of 413 FA 2019 2260 04-01-2019 12:04 21251132
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Phase Trans. & Ordered Phases

Experimental Particle Physics

The time for this course is decided amongst the students who enroll and the professor of the course.

String Theory

Opt Wave Crystals

Beyond the Standard Model

Experimental Particle Physics

This section is for GSIs teaching the Life Science Physics laboratory sequence.
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<tr>
<td>31603</td>
<td>A LEC 001 TTH 11-12PM 1024 DANA Ibanez</td>
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## Political Science Department

### Political Science (POLSCI) Open Sections

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<th>SEC</th>
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**STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.**

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**U of M Open Classes Only Schedule of Classes Page 252 of 413 FA 2019 2260 04-01-2019 12:04 21251132**
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

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<thead>
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<th>PREREQ</th>
<th>LAB FEE</th>
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| 302   | Pol Thot Mod-Recent           | 3.00 | ADVISORY |         |    |
| 310   | Pol Public Policy             | 4.00 | ENFORCED |         |    |
| 311   | Am Political Process          | 3.00 | ADVISORY |         |    |
| 317   | Constitutional Law            | 3.00 | ADVISORY |         |    |
| 331   | Env Pub Op Analysis           | 3.00 | ADVISORY |         |    |
| 340   | Govt&Pol-West Eur             | 4.00 | ADVISORY |         |    |
| 353   | Arab-Israeli Confli            | 4.00 |         |         |    |
| 355   | Dem & Devt in Africa          | 4.00 |         |         |    |
| 368   | Modern Warfare                | 4.00 | ADVISORY, ENFORCED | |    |
| 380   | Env Politics&Policy           | 3.00 |         |         |    |
| 381   | Pol Science Research          | 3.00 |         |         |    |
| 385   | Special Topics                | 1.50 |         |         |    |
| 386   | Sports, Pol, Society          | 3.00 | ADVISORY |         |    |
| 387   | Comp Anlys Gov Inst           | 3.00 | ADVISORY |         |    |
| 388   | East Asian Business           | 4.00 | ADVISORY |         |    |
| 389   | Topics                        | 3.00 | ADVISORY |         |    |
Supreme Ct&Constitutional Law

Law & Am Pol Development

Congress and the Presidency

Law Culture and Rights

International Legal Theory

Conflict & Violence in Africa

Russia& the Soviet Union

Adv Internship

The German and European Left

Game Theory&Models

Students are auto-enrolled in lecture when they elect a discussion.

Ug-Senior Honors

Ug-Pol Theory

Work, Virtue, Citizenship

Ug-Sem Amer Gov & Pol

Racial Attitudes-US&the World

Computer Usage

Math for Scientists

PolSci grad students only.

Stat Method Pol Res

Amer Natl Govt

Comparative Govt

Psem Mid E Pol

Comp Inst Analysis

IntiSecurityConflict

Inti Legal Orgs Law

Behav Res Methods

Selected Topics

Political Geography
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</table>
---IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS ARE REGISTERED OFFICIALLY FOR A COURSE, THE DEPARTMENT MAY REQUEST THAT THEY BE DISENROLLED IF THEY DO NOT ATTEND INITIAL CLASSES.

111 Intro to Psych 4.00
31440 P R DIS 002 M 4-5PM 3096 EH 25 Y
31443 P R DIS 003 M 5-6PM 1068 EH 24 Y
31444 P R DIS 004 M 6-7PM 271 WEISER 25 Y
31445 P R DIS 005 TH 4-5PM 1567 NUB 24 Y
31446 P R DIS 006 TH 5-6PM B856 EQ 25 Y
31447 P R DIS 007 TH 6-7PM 1064 EH 24 Y
31448 P R DIS 008 F 8-9AM 271 WEISER 25 Y
31449 P R DIS 009 F 9-10AM 2024 DANA 24 Y
31450 P R DIS 010 TH 10-11AM B1570 BUS 25 Y
31451 P R DIS 011 TH 11-12PM G168 AH 24 Y
31452 P R DIS 012 TH 12-1PM R2220 BUS 25 Y
31453 P R DIS 013 F 1-2PM 1636 CHEM 24 Y
31433 A LEC 001 TTH 1130-1PM 1324 EH Hoeffner
31400 P R DIS 031 W 4-5PM B852 EQ 24 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
17401 P R DIS 032 W 5-6PM B856 EQ 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
17402 P R DIS 033 W 6-7PM 1372 EH 24 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
17403 P R DIS 034 TH 9-10AM B834 EQ 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
17404 P R DIS 035 TH 10-11AM 4152 USB 24 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
17405 P R DIS 036 TH 11-12AM 1230 W 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
17406 P R DIS 037 TH 12-1PM 1650 CHEM 24 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
17407 P R DIS 038 TH 1-2PM G127 AH 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20119 P R DIS 039 F 10-11AM B0560 BUS 24 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20120 P R DIS 040 F 11-12PM 1449 MH 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20121 P R DIS 041 F 12-1PM 2346 SEB 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20122 P R DIS 042 F 1-2PM G127 AH 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
11812 A LEC 030 MW 1-230PM 1324 EH Buvinger
Students are auto-enrolled in Lec 030 when they elect a Dis 031-042.
13937 P R LEC 060 TTH 1-3PM AUD 3 MLB Schreier 400 Y
Psych 111-060 - Register for lecture only; there are no discussion sections for this lecture. Do not contact the instructor. Direct all questions to psych.saa@umich.edu.
20966 P R LEC 061 TTH 1-3PM AUD 3 MLB Schreier 400 Y
Psych 111-061 LEC meets with Psych 111-060 LEC. Psych 111-061 is ONLY for students CURRENTLY ENROLLED IN THE SCHOOL OF NURSING. All other students should register or waitlist for Psych 111-060, or another Psych 111 or Psych 112 Lecture.

112 Psy as Natl Science 4.00
20865 P R DIS 002 W 8-9AM 271 WEISER 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20866 P R DIS 003 W 9-10AM 2330 MH 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20867 P R DIS 004 W 10-11AM 4096 EH 24 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20868 P R DIS 005 W 11-12PM 1405 EQ Malley 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20869 P R DIS 006 W 12-1PM 1068 EH 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20870 P R DIS 007 W 1-2PM 271 WEISER 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20871 P R DIS 008 W 2-3PM 2074 M 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20872 P R DIS 009 W 3-4PM 4318 SPH2 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
20873 P R DIS 010 W 4-5PM 2306 MH 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
31454 P R DIS 011 F 12-1PM 2340 SEB 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
31455 P R DIS 012 F 1-2PM 1449 MH 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
31456 P R DIS 013 F 2-3PM 4318 SPH2 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
31457 P R DIS 014 F 3-4PM 2306 MH 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
31458 P R DIS 015 F 4-5PM 2340 SEB 25 Y
All sections meet from the 1st day of class, even if they occur before the 1st lecture.
31459 A LEC 001 TTH 4-530PM 1324 EH Malley
Students are auto-enrolled in Lec 001 when they elect a Dis 002-013.

U of M Open Classes Only Schedule of Classes  Page 256 of 413  FA 2019 2260 04-01-2019 12:04 21251132
114 Honors Intro Psych 4.00 ADVISORY, ENFORCED
31646 P R LEC 001 MW 11-1PM 1423 EQ Tardif 20 Y

120 Sem in Psy-Soc Sci 3.00 ADVISORY
11813 P R SEM 001 TTH 1-230PM ARR Preston 18 Y

Psych 120-001 meets in the Pillsbury Room, East Hall. Take the elevator on the Psych side of EH, Church St. entrance, up to floor 4M. Doors open directly into classroom. Fall 2019.
24125 P R SEM 002 MW 10-1130AM 3021 EH Davis-Kean 18 Y

Can Psych Save the Planet?
Psych 120-002 meets in the Pillsbury Room, East Hall. Take the elevator located at the Church St., Psych side entrance of East Hall to floor "4M".
26618 P R SEM 003 MW 1130-1PM 3021 EH Davis-Kean 18 Y

Data & Society
Psych 120-003 meets in the Pillsbury Room, East Hall. Take the elevator on the Psych side of EH, Church St. entrance, up to floor 4M. Doors open directly into classroom. Fall 2019.
24126 P R SEM 004 TH 9-12PM B804 EQ Graham-Bermann 18 Y

Psych Perspectives of Politics
24127 P R SEM 005 MW 830-10AM 3021 EH Schreier 18 Y

Devel thru Children's Lit
28802 P R SEM 006 TH 1-230PM 3021 EH Malley 18 Y

Religion & Personal Growth
28803 P R SEM 007 TH 5-8PM ARR Ybarra 18 Y

Meaningful Leadership
Psych 120-007 meets in the Pillsbury Room, East Hall. Take the elevator on the Psych side of EH, Church St. entrance, up to floor 4M. Doors open directly into classroom. Fall 2019.
28804 P R SEM 008 TH 10-1130AM 3021 EH Seifert 18 Y

How to be Creative
28805 P R SEM 009 TTH 10-1130AM 3021 EH Seifert 18 Y

Sexuality in College Context
31665 P R SEM 010 F 10-1PM 3088 EH Conley 18 Y

Primate Communication & Lang
28806 P R SEM 002 MWF 10-11AM 3866 EH Isbell 18 Y

Thinking
122 Intrgrp Dialogue 3.00

Note: Interested students must fill out an online request at www.igr.umich.edu. Due to high demand, students who do not attend the mass meeting on the first day of class will be dropped from the course. If you have questions, please contact Ant'Shay Thurman (phone: 936-1875; e-mail: antistay@umich.edu).
18424 PI SEM 001 W 230-530PM 170 WEISER Hwang 150 N

Working w/Preschool Children
http://sites.lsa.umich.edu/projectoutreach/ . Email questions to project.outreach@umich.edu.
11814 P SEM 001 T 4-6PM 260 WEISER Isbell 100 Y

Mind, Music & Community
http://sites.lsa.umich.edu/projectoutreach/ . Email questions to project.outreach@umich.edu.
11815 P SEM 002 T 4-6PM 296 WEISER 50 Y

Juvenile and Criminal Justice
http://sites.lsa.umich.edu/projectoutreach/ . Email questions to project.outreach@umich.edu.
11817 P SEM 004 TH 4-6PM 296 WEISER 70 Y

Health, Illness and Society
http://sites.lsa.umich.edu/projectoutreach/ . Email questions to project.outreach@umich.edu.
11818 P SEM 005 W 4-6PM 1068 EH 45 Y

Using Your Psychology Degree
http://sites.lsa.umich.edu/projectoutreach/ . Email questions to project.outreach@umich.edu.
213 Foundations IGR 3.00 ENFORCED

223 Entrepreneur Crtivy 3.00 ENFORCED

225 Psy Human Sexuality 3.00
CAT#  Course Title               CR  PREREQ  LAB FEE
Class #  CODE  CMP  SEC  DAYS  TIME  LOCATION  INSTRUCTOR  OPEN SEATS  WL
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21388  P R DIS 002  W  3-4PM  3096 EH  25 Y
21389  P R DIS 003  W  5-6PM  B830 EQ  24 Y
21390  P R DIS 004  W  6-7PM  271 WEISER  25 Y
21391  P R DIS 005  TH  9-10AM  B830 EQ  24 Y
21392  P R DIS 006  TH  4-5PM  1068 EH  25 Y
21393  P R DIS 007  TH  5-6PM  1068 EH  24 Y
21394  P R DIS 008  F  8-9AM  4088 EH  25 Y
21395  P R DIS 009  F  9-10AM  2306 MH  24 Y
21396  P R DIS 010  F  10-11AM  1449 MH  25 Y
21397  P R DIS 011  F  11-12PM  1460 MH  24 Y
21398  P R DIS 012  F  12-1PM  1449 MH  25 Y
21399  P R DIS 013  F  1-2PM  3411 MH  25 Y
11833  A R LEC 001  MW  1130-1PM  1324 EH  25 Y

All sections meet from the 1st day of class, even if they occur before the 1st lecture. Enroll in section 002-013 and be auto enrolled in Lecture 001.

21457  P R DIS 021  T  4-5PM  3096 EH  25 Y
21458  P R DIS 022  T  5-6PM  1064 EH  25 Y
21459  P R DIS 023  T  6-7PM  268 WEISER  25 Y
21460  P R DIS 024  TH  4-5PM  2306 MH  25 Y
21461  P R DIS 025  TH  5-6PM  G026 TISCH  25 Y
24952  P R DIS 026  TH  6-7PM  1068 EH  25 Y
21462  P R DIS 027  F  8-9AM  3096 EH  25 Y
24140  P R DIS 028  F  9-10AM  B844 EH  25 Y
21463  P R DIS 029  F  10-11AM  G127 AH  25 Y
21464  P R DIS 030  F  11-12PM  B830 EQ  25 Y
21465  P R DIS 031  F  12-1PM  G127 AH  25 Y
21466  P R DIS 032  F  1-2PM  B830 EQ  25 Y
21456  A R LEC 020  TTH  10-1130AM  1324 EH  25 Y

All sections meet from the 1st day of class, even if they occur before the 1st lecture. Enroll in section 021-032 and be auto enrolled in Lecture 020.

31591  P R DIS 002  F  9-10AM  B856 EQ  25 Y
31593  P R DIS 003  TH  4-5PM  ARR  25 Y
31595  P R DIS 004  TH  3-4PM  2346 SEB  25 Y
31597  P R DIS 005  F  11-12PM  4088 EH  25 Y
31598  P R DIS 006  TH  5-6PM  1068 EH  25 Y
31601  P R DIS 007  F  12-1PM  B830 EQ  25 Y
31589  A R LEC 001  MW  10-1130AM  1202 SEB  25 Y

All sections meet from the 1st day of class, even if they occur before the 1st lecture. Enroll in section 021-032 and be auto enrolled in Lecture 020.

250 Intro Dev Psych                  4.00 ENFORCED
11836  P R DIS 002  W  4-5PM  268 WEISER  25 Y
11837  P R DIS 003  W  5-6PM  B852 EQ  24 Y
11838  P R DIS 004  W  6-7PM  1064 EH  25 Y
11839  P R DIS 005  TH  4-5PM  2310 SEB  24 Y
11840  P R DIS 006  TH  5-6PM  G144 AH  25 Y
11841  P R DIS 007  F  8-9AM  1372 EH  24 Y
11842  P R DIS 008  F  9-10AM  LEC RM 2 MLB  25 Y
11843  P R DIS 009  F  10-11AM  2306 MH  24 Y
11844  P R DIS 010  F  11-12PM  1448 MH  25 Y
11845  P R DIS 011  F  12-1PM  R2240 BUS  24 Y
11846  P R DIS 012  F  1-2PM  2436 MH  25 Y

Psych 250-012 now meets in 4464 East Hall as of 10/18/2018.
### Intro to Psychopath

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All sections meet from the 1st day of class, even if they occur before the 1st lecture.

### Intro Social Psych

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This is a lecture only course. There are no associated discussion sections.

### Intro Psych Persn

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All sections meet from the 1st day of class, even if they occur before the 1st lecture.

### Res Meth in Cog NS

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Psych 302 counts as a Methods Lab for Psych and BCN Majors.

### Res Methods in Psych

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All sections meet from the 1st day of class, even if they occur before the 1st lecture.

### Psych Practicum

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All sections meet from the 1st day of class, even if they occur before the 1st lecture.
Alc & Other Beh Disor - Com II

Psych 305-010 - Contact Angela Galka (anti@med.umich.edu), phone # is 734 232 3352, to interview for acceptance into class, or to volunteer.

Peer Group Leaders

PSYCH 305-661 Topic Title: Peer Group Leaders

306 Group Leading 3.00 ADVISORY

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306 admission requires a short application, which may be completed here: myumi.ch/aZdQK

30175 PI LAB 661  T  6-730PM  1096 EH  15 N

Psych 306 admission requires a short application, which may be completed here: myumi.ch/aZdQK

Psych 306 admission requires a short application, which may be completed here: myumi.ch/aZdQK

Psych 306 admission requires a short application, which may be completed here: myumi.ch/aZdQK

307 Directed Experience 3.00-4.00 ADVISORY

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Practicum in Child Dev & Care

Recommended background: Prior or concurrent enrollment in PSYCH 250, or other course work that covered child development.

For registration information call 734-647-7144 or email judymc@umich.edu

308 Peer Advising Pract 3.00 ADVISORY

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Students must apply for peer advising - Applications DUE 3/26/18!. Applications are found at http://lsa.umich.edu/psych/undergraduates/advising/peer-advising.html

A required training will be held the first week of classes.

Psych 308 meets in the Pillsbury Room, East Hall.

310 IGR Facilitation 3.00 ADVISORY

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An additional 15 hours of seminar TBA. Questions regarding this course should be directed to the Intergroup Relations Program, 938-1875, 3000 Michigan Union.

311 Dialog Prac 4.00 ADVISORY

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312 Conflict & Coexist 3.00 ADVISORY

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316 Wrl Blk Child 3.00 ADVISORY

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318 Media & Violence 4.00 ADVISORY

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Cross-listed with Comm 318.001.

Cross-listed with Comm 318.004.

324 Advanced IGR Prac 1.00-4.00 ADVISORY

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325 Detroit Initiative 4.00 ADVISORY

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Community Research

326 Dir Res Psych/NS 1.00-4.00 ADVISORY

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Human Cognitive Evolution

For Psych 330-002, interested students who have previously taken Psych 240 or Psych 250 may contact the Psych SAA Office (1343 EH) for an override into an open seat. CALL 734-764-2580, M-F 8am-5pm when you are able to register.

331 Res Methods BBCS 4.00 ADVISORY

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For Psych 330-002, interested students who have previously taken Psych 240 or Psych 250 may contact the Psych SAA Office (1343 EH) for an override into an open seat. CALL 734-764-2580, M-F 8am-5pm when you are able to register.
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All sections meet from the 1st day of class, even if they occur before the 1st lecture.

360 Behavior & Environment

- 25555 P DIS 002 F 1:20-2PM 1046 DANA De Young, Weil 18 Y
- 17514 P DIS 003 TH 9-10AM 3556 DANA De Young, Lisuk 25 Y
- 17516 P DIS 005 TH 5-6PM 1028 De Young, Lisuk 25 Y
- 17558 P DIS 006 T 5-6PM 3556 DANA De Young, Lisuk 25 Y
- 19640 P DIS 007 W 4-5PM 2062 PALM De Young, Weil 25 Y

373 Child & Adolescent Psychology

- 26642 P R DIS 002 T 3-4PM 2011 MLB 25 Y
- 26643 P R DIS 003 T 4-5PM 2334 SEB 25 Y
- 26644 P R DIS 005 W 1-2PM 4088 EH 25 Y
- 26645 P R DIS 006 W 2-3PM B856 EQ 25 Y
- 26646 P R DIS 007 W 3-4PM 1084 EH 25 Y
- 26641 A R LEC 001 TTH 9-10AM 1202 SEB Olson 30 Y

Psychology in Urban Contexts

Students who do not meet the required prereq (Psych 280 or Psych 290) may request an override if a seat is available.

Once your registration appointment begins, call 734-764-2580 (Psych SAA Office) to request an override for an OPEN seat.

395 Organizational Psychology

- 26649 P R DIS 002 T 3-4PM B137 MLB 25 Y
- 26650 P R DIS 003 T 4-5PM ARR 25 Y
- 26651 P R DIS 004 TH 12-1PM 1096 EH 25 Y
- 28830 P R DIS 005 TH 12-1PM 1096 EH 25 Y
- 28831 P R DIS 006 F 11-12PM 1423 EQ 25 Y
- 28832 P R DIS 007 F 12-1PM 1084 EH 25 Y
- 26648 A R LEC 001 MW 230-4PM 1234 EH Kira 25 Y

401 Special Problems

- 25139 P R SEM 001 MW 10-1130AM 1024 DANA Buvinger 30 Y

ASD in the Mainstream Media

- 24133 P R SEM 002 MW 1130-1PM 3330 MH 40 Y

Intro to Forensic Psychology

- 31616 P R SEM 003 TTH 1130-1PM 4404 RAND Rabinowitz 30 Y
- 26653 P R SEM 012 W 4-7PM B247 EH Reese 18 Y

Psychology of Competition

- 28833 P R SEM 013 TH 10-1PM ARR Grower 18 Y

The Ideal Woman

- 26654 P R SEM 014 TTH 1130-1PM 210 WH Schudson 18 Y

Psych of Gender & Sexual Diversity

- 29520 P R SEM 001 MW 1130-1PM 3021 EH Westrick 18 Y

Biology of Maternal Care

- 30922 P R SEM 002 TTH 1130-1PM 1024 DANA Buvinger 30 Y

422 Adv Research NS

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For more information and overrides, contact Mary Mohrbach at mohrbach@umich.edu.
### College of L S & A Residential College

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#### French (FRENCH) Open Sections

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101 Elementary

4.00 ADVISORY, ENFORCED

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102 Elementary Review

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**Italian (ITALIAN) Open Sections**

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Spanish (SPANISH) Open Sections

--A student who misses either of the first two meetings of any course offered by the Department of Romance Languages may be dropped from the course for non-attendance.
--Students with any previous study of Spanish must take the Spanish placement test before enrolling. Placement test dates are online at: www.lsa.umich.edu/rll/undergraduate/languageplacement/languageplacementtests.
--All students must take action through the registration system to make sure that their official schedule of courses matches the courses they are attending.

100  | Intensive Elem Span 8.00 ADVISORY, ENFORCED                                  | 8.00|                          | ADVISORY, ENFORCED | 15 | Y     |    |
101  | Elementary 4.00 ADVISORY, ENFORCED                                           | 4.00|                          | ADVISORY, ENFORCED | 18 | Y     |    |

For students with no previous study or by placement. Students with any previous study of Spanish or prior instruction in Spanish must take the placement test before enrolling.

U of M Open Classes Only Schedule of Classes Page 269 of 413 FA 2019 2260 04-01-2019 12:04 21251132
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Comparative Marxism

This class will be meeting-with French 444 in Fall 2019.
Writing 100 is designed to help students of all levels improve their writing, but is best suited to those who have yet to fulfill the First-Year Writing Requirement. Upper-level students should have a compelling academic reason for enrolling in Writing 100.

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<tr>
<th>CAT#</th>
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## SRC-PSM Graduate Program

### Survey Methodology (SURVMETH) Open Sections

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Fundamentals of Survey Methods
Contact: michpsm.isr@umich.edu with questions. All students interested in survey methodology are encouraged to take this course.

Department permission and prerequisites required. Contact: michpsm.isr@umich.edu

Survey Methodology doctoral students only.
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| 543 | Second-Year Czech I | 4.00 | ENFORCED | 20 | Y |

| 121  | First Yr Polish | 4.00 | Westwalewicz | 18 | Y |
| 214  | Rock Poetry | 3.00 | Westwalewicz | 40 | Y |
| 221  | 2nd Yr Polish | 4.00 | ADVISORY | Westwalewicz | 18 | Y |
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| 421  | 4th-Year Polish I | 3.00 | ADVISORY | Pasek | 21 | Y |

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Cultures of Ukraine

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Resurrected Myths

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Intro to Ukr Lang&Cult I

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Ukraine and Ukrainians I

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Ukrainian for Russian Speakers

U of M Open Classes Only Schedule of Classes Page 278 of 413 FA 2019 2260 04-01-2019 12:04 21251132
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Sociology Department

Sociology (SOC) Open Sections

--IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS MAY BE REGISTERED OFFICIALLY FOR A COURSE, THE DEPARTMENT MAY GIVE AWAY PLACES IN A COURSE IF STUDENTS DO NOT ATTEND THE FIRST TWO COURSE MEETINGS.

--TO ASSIST THE STUDENT IN SELECTING COURSES, PAST COURSE SYLLABI ARE AVAILABLE AT:  www.lsa.umich.edu/soc/syllabi.

100 Intro to Sociology 4.00 ADVISORY, ENFORCED

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STUDENTS ARE AUTO-ENROLLED IN LEC 001 WHEN THEY ELECT A DIS (002-011).

102 Intro Soc: Topics 4.00 ADVISORY, ENFORCED

Urban Inequality
105 First Year Seminar 3.00 ADVISORY

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Sociology of Families

122 Intrgrp Dialogue 3.00

Note: Interested students must fill out an online request at www.igr.umich.edu. Due to high demand, students who do not attend the mass meeting on the first day of class will be dropped from the course. If you have questions, please contact Anti'Shay Thurman (phone: 936-1875; e-mail: antistay@umich.edu).

Urban Inequality

204 Intl Migra&Glob Wrid 3.00

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Terrorism, Torture
206 Elem Statistics 4.00

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Sociology majors should elect this course during their sophomore year. Honors majors should enroll in SOC 210, STATS 250 (350) or its equivalent prior to beginning the Honors course sequence in the winter term of the junior year.

Data Analysis

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U of M Open Classes Only Schedule of Classes  Page 281  of 413  FA 2019 2260 04-01-2019 12:04 21251132
Please Register for LAB 295.003 or LAB 295.004 to be auto-enrolled in this course.

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Statistics Department

Statistics (STATS) Open Sections

--IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS MAY BE REGISTERED OFFICIALLY FOR A COURSE, THE DEPARTMENT MAY GIVE AWAY PLACES IN A COURSE IF STUDENTS DO NOT ATTEND THE FIRST TWO COURSE MEETINGS.

125 Games and Gambling 3.00
26793 P  LEC 001  TTH 830-10AM AUD C AH Miller 100 Y
14398 P  LAB 007  M 830-10AM G444B MH 27 Y
Stats 250 Fall 2019 Exam Schedule
Exam 1: Thu Oct 16, 6 - 7:30 pm
Exam 2: Thu Nov 14, 6-7:30 pm
Final: Mon Dec 16, 7:30-9:30 pm

125 Making Sense of Data 3.00
31793 P R SEM 001  TTH 230-4PM B830 EQ Ritov 18 N
ADVISORY
3.00
125 Intr Stat & Data Anlys 4.00
14398 P  LAB 007  M 830-10AM G444B MH 27 Y
Stats 250 Fall 2019 Exam Schedule
Exam 1: Thu Oct 16, 6 - 7:30 pm
Exam 2: Thu Nov 14, 6-7:30 pm
Final: Mon Dec 16, 7:30-9:30 pm

125 Stats 250 Fall 2019 Exam Schedule
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Exam 2: Thu Nov 14, 6-7:30 pm
Final: Mon Dec 16, 7:30-9:30 pm

14399 P  LAB 008  M 830-10AM G444C MH 28 Y
Stats 250 Fall 2019 Exam Schedule
Exam 1: Thu Oct 16, 6 - 7:30 pm
Exam 2: Thu Nov 14, 6-7:30 pm
Final: Mon Dec 16, 7:30-9:30 pm

14400 P  LAB 009  M 10-1130AM G444B MH 27 Y
Stats 250 Fall 2019 Exam Schedule
Exam 1: Thu Oct 16, 6 - 7:30 pm
Exam 2: Thu Nov 14, 6-7:30 pm
Final: Mon Dec 16, 7:30-9:30 pm

14401 P  LAB 010  M 10-1130AM G444C MH 28 Y
Stats 250 Fall 2019 Exam Schedule
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Exam 2: Thu Nov 14, 6-7:30 pm
Final: Mon Dec 16, 7:30-9:30 pm

14397 P  LAB 012  M 1130-1PM G444B MH 27 Y
Stats 250 Fall 2019 Exam Schedule
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Final: Mon Dec 16, 7:30-9:30 pm

14404 P  LAB 013  M 1-230PM G444B MH 27 Y
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Final: Mon Dec 16, 7:30-9:30 pm

14405 P  LAB 014  M 1-230PM G444C MH 28 Y
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Exam 2: Thu Nov 14, 6-7:30 pm
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14406 P  LAB 015  M 230-4PM G444B MH 27 Y
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14408 P  LAB 017  M 4-530PM G444B MH 27 Y
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Exam 2: Thu Nov 14, 6-7:30 pm
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14409 P  LAB 018  M 4-530PM G444C MH 28 Y
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Exam 2: Thu Nov 14, 6-7:30 pm
Final: Mon Dec 16, 7:30-9:30 pm

14410 P  LAB 019  M 530-7PM G444B MH 27 Y
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Exam 2: Thu Nov 14, 6-7:30 pm
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The Department of Statistics must allow students who are declared in its programs the opportunity to register for Statistics classes needed to complete their programs. Any remaining seats reserved for Statistics students will be opened after registration is complete and waitlists have been evaluated.
Statistics classes needed to complete their programs. Any remaining seats reserved for Statistics students will be opened after registration is complete and waitlists have been evaluated.

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The Department of Statistics must allow students who are declared in its programs the opportunity to register for Statistics classes needed to complete their programs. Any remaining seats reserved for Statistics students will be opened after registration is complete and waitlists have been evaluated.

### Master's and PhD students at the end of August
Any remaining seats will be taken off of reserve on September 3, opened after registration is complete and waitlists have been evaluated.

### Capstone Seminar
The Department of Statistics must allow students who are declared in its programs the opportunity to register for Statistics classes needed to complete their programs. Any remaining seats reserved for Statistics students will be opened after registration is complete and waitlists have been evaluated.

### Econometric Analys I
The Department of Statistics must allow students who are declared in its programs the opportunity to register for Statistics classes needed to complete their programs. The Statistics Department holds orientation for incoming Master's and PhD students at the end of August. Any remaining seats will be taken off of reserve on September 3, 2019. Instructors in the Statistics Department do not manage their waitlists and do not issue overrides.

### Data Sci in Python
The Department of Statistics must allow students who are declared in its programs the opportunity to register for Statistics classes needed to complete their programs. The Statistics Department holds orientation for incoming Master's and PhD students at the end of August. Any remaining seats will be taken off of reserve on September 3, 2019. Instructors in the Statistics Department do not manage their waitlists and do not issue overrides.

### Prob Dist Theory
The Department of Statistics must allow students who are declared in its programs the opportunity to register for Statistics classes needed to complete their programs. The Statistics Department holds orientation for incoming

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## Office of International Programs

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Women’s Studies Department

Womens Studies (WOMENSTD) Open Sections

A STUDENT WHO MISSES EITHER OF THE FIRST TWO MEETINGS OF ANY COURSE OFFERED BY THE WOMEN’S STUDIES DEPARTMENT MAY BE DROPPED FROM THE COURSE FOR NON-ATTENDANCE.

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Students who do not have the enforced prereq for this class but have taken a Women's Studies class, may email the department (wsp.advising@umich.edu) to request for permission to enroll. When emailing, please include the name of the Women's Studies course you have taken.
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# Medicine

## Division of Anatomical Science

### Anatomy (ANATOMY) Open Sections

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- **STUDENTS MAY BE DROPPED FROM THE COURSE FOR NON-ATTENDANCE ON THE FIRST CLASS DAY.**

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Students are required to provide their own laptop for class. Students attend one review session on the Wednesday prior to their presentation date. Students in 602 attend two review sessions on Wednesdays prior to each of the presentations they've been assigned to cover.

### Additional Courses

- **Bioinf JC**: 1.00 ENFORCED
- **Intro Biocomputing**: 1.00 ENFORCED
- **Transl Sci Journal**: 1.00
- **Intro Health Infor**: 3.00 ADVISORY, ENFORCED

To be held in room 2813/2817 MS II.
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# Program in Biomedical Sciences

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Courses arranged by student. Must complete required number by end of term.

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| 30059|                               |     |         |         |     |     |

Class starts Sept 4th, 2018. Undergraduates may enroll with instructor permission and override. Class meetings in 2901 THSL.

| 750  | Biomed Entrepre II            | 3.00|         |         | 17  | N   |
| 27502|                               |     |         |         |     |     |

Class starts Sept 4 and meets Tuesdays in 2901 THSL and Wednesdays 6000 THSL from 3:30-5:00 pm

| 800  | PIBS Seminar                  | 1.00|         |         | 90  | N   |
| 21642|                               |     |         |         |     |     |

You must be a first year PIBS graduate student to be enrolled in this course. See Canvas Class website schedule for details.
### Cancer Biology Graduate Program

**Cancer Biology (CANCBIO) Open Sections**

<table>
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<tr>
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<th>Course Title</th>
<th>CR</th>
<th>PREREQ</th>
<th>LAB FEE</th>
<th>OPEN SEATS</th>
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<td>Lyssiotis, Crawford</td>
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This course meets every Wednesday from 4 - 5 pm
Location: 2813/2817 Med Sci II
Cell and Developmental Biology

Cell and Developmental Biology (CDB) Open Sections

503  RES Response & Ethics  1.00  ADVISORY
20292 P  LEC 001  ARR  ARR  Barald
MEETS OCT 7 - NOV 11.

530  Cell Biology  3.00  ADVISORY
Lectures are located in North Lecture Hall, Med Sci II.

*PhD students will have preference over Masters students and undergraduate students for enrollment.

12047 P  LEC 001 MW  1-3PM  ARR
Finger, Weisman, Pearring, Duncan, Cai, Verhey, Tsai, Lee, Ohi, Hug, Yamashita, Nath, Liu, Chumki, Jalihal, Steinfeld

581  Dev Genetics  3.00  ADVISORY
23422 P  LEC 001 T  2-4PM  ARR
Allen, Lee, Maillard, Wong, Ye, Gumucio, Duncan, Hug, Holloway

581  Dev Genetics  3.00  ADVISORY
P  LEC 001 TH  3-5PM  ARR

801  Graduate Seminar  1.00
12051 P R  SEM 001 T  12-1PM  2710 FSSC
Giger, Hug
Cellular and Molecular Biology

Cellular And Molecular Biology (CMBIOL) Open Sections

630 Genetics 1.00 ADVISORY
MUST BE A PIBS, CMB, OR GENETICS TRAINING GRANT STUDENT TO REGISTER!!
"Wiring the Nervous System in Health and Disease"
Sep 25 - 3pm (M3330 MS I)
Sep 27 - 3pm (M3330 MS I); 4pm (SLH)
Nov 13 - 3pm (M3330 MS I); 4pm (NLH)
Nov 20 - 3pm (M3330 MS I); 4pm (NLH)
Nov 27 - 3pm (M3330 MS I); 4pm (NLH)

850 Seminar 1.00-2.00
Student Seminar Series
Only graduate students in the Cellular and Molecular Biology Program (or PIBS-CMB) can register for this course.
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**Dermatology Department**

**Dermatology (DERM) Open Sections**
## Human Genetics Department

### Human Genetics (HUMGEN) Open Sections

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<td>Li, Burke, Kidd, Gagliano Taliun, Ramdas</td>
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### Int Med-General Medicine

#### Health and Health Care Research (HHCR) Open Sections

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## Internal Medicine Department

### Internal Medicine (INTMED) Open Sections

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Meet first Tuesday of the month Sept-Dec
### Department of Learning Health Sciences

#### Learning Health Sciences (LHS) Open Sections

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#### Medical Education (MEDEDUC) Open Sections

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U of M Open Classes Only Schedule of Classes  Page 311  of  413  FA 2019 2260 04-01-2019 12:04 21251132
### Medical School

**Emergency Medicine (EMERGMED) Open Sections**

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**Family Medicine (FAMMED) Open Sections**

## Medical School Administration

### Immunology (IMMUNO) Open Sections

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### Medical School Administration (MEDADM) Open Sections

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# Microbiology And Immunology

## Microbiology (MICRBIOL) Open Sections

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Students who join the waitlist will be auto-issued a permission within 24 hrs. and will be able to register themselves at that time.

This lecture is for Genetics Training Program current and past trainees. Class meets every other Monday.

Micro Grad Students Only
### Neurology Department

#### Neurology (NEUROL) Open Sections

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Cog Neuro of Consciousness

As an educational activity and the Center (and as a NGP faculty), I am conducting a combined reading/lecture course (NS-704) this upcoming semester on "The Cognitive Neuroscience of Consciousness." The study of consciousness is sometimes decomposed into levels of consciousness (awake vs. asleep vs. anesthetized vs. comatose) and states of consciousness (assuming I am already conscious, why do I see a blue triangle rather than a red square?). We will explore both of these dimensions and likely have some visiting lecturers/discussants to help us along the way.

The subject of consciousness motivated many of us to choose the field of neuroscience. I hope you will join me next month as we explore a fascinating question that has scientific, philosophical, clinical, and even existential implications. Even if you don't want to formally sign up for the course, you are welcomed to attend and participate.

What: NS704, The Cognitive Neuroscience of Consciousness
Who: Neuroscience and psychology students (and other interested people)
When: Fall semester, Wednesdays at Noon (pizza will be served)
Where: Medical School, Med-Sci I, 7th floor conference room (#7433D)
### Neurosurgery

**Neurosurgery (NEUSURG) Open Sections**

<table>
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1.00-16.00

5

N
Obstetrics And Gynecology Dept
Obstetrics and Gynecology (OBSTGYN) Open Sections

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### Ophthalmology Department

**Ophthalmology (OPHTH) Open Sections**

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<td>733</td>
<td>Visual Sciences</td>
<td>2.00</td>
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Otorhinolaryngology Department
Otorhinolaryngology (OTO) Open Sections
Pathology Department

Pathology (PATH) Open Sections

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# Pediatrics & Comm Diseases Dep

**Pediatrics (PEDIAT) Open Sections**

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# Pharmacology Department

## Pharmacology (PHRMACOL) Open Sections

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<th>LAB FEE</th>
<th>OPEN SEATS</th>
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<tbody>
<tr>
<td>310</td>
<td>Pharmacol &amp; Therapeut</td>
<td>4.00</td>
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<td>Maybaum, Iniguez-Lluhi, Canman, Ferrario</td>
<td>30</td>
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Meets in room 5915 Buhl.

310 has been approved as an elective for CMB, Neuroscience and Biomolecular Science majors, and as a cognate for Biology majors.

<table>
<thead>
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<td>330</td>
<td>Neuro Pharm UG Res</td>
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<td>Neuro Pharm UG Res</td>
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<td>501</td>
<td>Chemical Biology I</td>
<td>3.00</td>
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<td>Koutmos, Palley, Koutmos</td>
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<tr>
<td>502</td>
<td>Intr Sci Comm</td>
<td>2.00</td>
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<td>Isom, Osawa, Ragsdale, Wong, Burke, Anantharam, Adili, Tourdot, Goforth, Edokobi</td>
<td>54</td>
<td>Y</td>
</tr>
</tbody>
</table>

Meets in room 2901 THSL and various small group break-out rooms (to be announced). Priority enrollment is reserved for doctoral students in the Medical School's 14 programs under PIBS. Contact Lisa Garber (lfletch@umich.edu) with your UMID number for permission to enroll.

<table>
<thead>
<tr>
<th>Course</th>
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<td>Lee, Xu, Rui, Yin, Mortensen</td>
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<tr>
<td>601</td>
<td>Quant Prin Pharm</td>
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<td>Iniguez-Lluhi, Maybaum, Osawa, Smrcka, Jenkins, Ren</td>
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Meets in room 2901 THSL.

<table>
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<td>603</td>
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<td>Jutkiewicz, Iniguez-Lluhi</td>
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Meets in room 2901 THSL on Mondays and 5215 THSL on Wednesdays. Email lfletch@umich.edu for permission.

<table>
<thead>
<tr>
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Meets in room 3813/17 Med Sci II, except 10/18 and 11/29 which will be in 2813/17 Med Sci II.

<table>
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<tr>
<td>622</td>
<td>Translational Res</td>
<td>2.00</td>
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<td>Oford, Kaplan, Athey, Bartlett, Galban, Holinstat, Weatherwax, Laventhal, Pilz, Shayman, Tremper, Groppi</td>
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Meets in room 2813 Med Sci II.

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<td>Drug Dev &amp; Jnl Club</td>
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626 is for students who want to combine 621 and 625 into one course.

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Meets in room 2813 Med Sci II.

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<tr>
<td>640</td>
<td>Intro Trans Sci</td>
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<td>Holinstat, Marshall-Wilhelm, Cauw</td>
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Meets in room 6000 THSL, except 10/15 and 11/5 which will be in 2901 THSL.

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<td>646</td>
<td>Special Topics</td>
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<td>ADVISORY</td>
<td>Fisher, Osawa</td>
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Only for Pharmacology Graduate Students. Meets in room 2901 THSL.
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<tr>
<td>19620</td>
<td>P SEM 002 F</td>
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<td>ARR</td>
<td>Traynor, Fisher</td>
<td>20</td>
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Only for first-year PIBS students interested in Pharmacology and Pharmacology MS degree students. Meets in room 2901 THSL.
### Physical Medicine & Rehab Dept

#### Physical Medicine & Rehabilitation (PMR) Open Sections

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<tr>
<td>510</td>
<td>Disab&amp;Rehab Methods</td>
<td>1.00</td>
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<td>MOTT</td>
<td>Hurvitz</td>
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<tr>
<td>21382</td>
<td>Disability Studies</td>
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Physiology Department

Physiology (PHYSIOL) Open Sections

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<td>12119</td>
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<td>12120</td>
<td>P R DIS 003 TH</td>
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<td>12121</td>
<td>P R DIS 004 TH</td>
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<td>12122</td>
<td>P R DIS 005 TH</td>
<td>4-5PM</td>
<td>ARR    Rust, Herrera</td>
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<td>12123</td>
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<td>11-12PM</td>
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<td>14393</td>
<td>P R DIS 007 TH</td>
<td>4-5PM</td>
<td>ARR    Rust, Tang</td>
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STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.
Class will be held in 3330 Med Sci I.

| 12118   | A R LEC 001 MWF            | 1230-2PM | ARR    Rust  | 70         | Y   |
| 404     | Hum Physiol Lab            | 2.00     | ENFORCED     | 270.00     | 9     |
| 21053   | PDR LAB 001 TH             | 1030-1230PM | ARR  Houchin | 18        | Y   |
| 21896   | PDR LAB 003 W              | 10-12PM | ARR    Houchin | 18        | Y   |
| 21055   | PDR LAB 004 TH             | 1030-1230PM | ARR  Houchin | 18        | Y   |

Students must attend the first class; an enrolled student who does not attend the first meeting may be dropped from the course for non-attendance. Undergraduate students are not eligible to register for Physiology 506; they are eligible to register for Physiology 406.

| 502     | Human Physiology           | 4.00     | ADVISORY      | 20108      | 70  |
| 505     | Physiol Lab                | 2.00     | ENFORCED      | 24667      | 20  |
| 506     | Extreme Physiology         | 3.00     | ENFORCED      | 27182      | 17  |

Students must attend the first class; an enrolled student who does not attend the first meeting may be dropped from the course for non-attendance. Undergraduate students are not eligible to register for Physiology 506; they are eligible to register for Physiology 406.

| 576     | Signal Transduction        | 1.00     | ADVISORY      | 26519      | 35  |
| 577     | Membrane & Cell Phys       | 2.00     | ADVISORY      | 26521      | 25  |
| 591     | Signal Transduction        | 2.00     | ADVISORY      | 14260      | 20  |
| 599     | Grad Ind Research          | 1.00-8.00| ADVISORY      | 21205      | 25  |
| 605     | MS Seminar Physiol         | 1.00     | ADVISORY      | 21205      | 35  |

Class location and time will be determined at a later date.

| 606     | Current Topics             | 1.00     | ADVISORY      | 12129      | 20  |
| 615     | Tech Phys Instructn        | 2.00     | ADVISORY      | 12130      | 10  |
| 616     | Tech Phys Instructn        | 2.00     | ADVISORY      | 12131      | 35  |
| 700     | Physiol MS Capstone        | 3.00     | ADVISORY      | 23802      | 25  |
| 702     | Physio MS Res Proj         | 2.00     | ADVISORY      | 23802      | 25  |

U of M Open Classes Only Schedule of Classes Page 326 of 413 FA 2019 2260 04-01-2019 12:04 21251132
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<thead>
<tr>
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<tr>
<td>403</td>
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Psychiatry Department

Psychiatry (PSYCHIAT) Open Sections
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Radiation Oncology (RADONCO) Open Sections

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Surgery Department

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Music, Theatre & Dance

--Performance Instruction in the School of Music (Individual Studio Assignment in Music Performance): All students requesting performance instruction must apply online at www.music.umich.edu, click on the "students" tab and then click on the "online individual studio assignment in music performance" form. Do not register until you have received an email verifying placement in a studio.

Department Of Dance

Dance (DANCE) Open Sections

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This class meets in Studio D. It is combined with a non-major section. 15 spots are available for majors and 25 spots are available for non-majors.
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This is an intermediate level course that builds on the skills in urban/commercial-style Hip Hop moves and rapid level changes for floor work. Choreography is provided and students will be able to develop according to individual style, ability, and personal interpretation. The history of this genre is examined through a commercial dance lens and elements of Hip Hop dance, as well as the role of dance in Hip Hop culture. There is also an opportunity for Freestyle, Old Style, Poppin', Lockin', and popular commercial dance styles such as Street Jazz and Jazz Funk. Students registered for this class should have taken some form of prior Hip Hop training/classes.

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This class meets in Studio D. It is combined with a non-major section. 15 spots are available for majors and 25 spots are available for non-majors.

This class meets in Studio A. It is combined with a non-major section. 15 spots are available for majors and 25 spots are available for non-majors.

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This class meets in Studio A. It is combined with a non-major section. 15 spots are available for majors and 25 spots are available for non-majors.

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## School of Music, Theatre and Dance

### Arts Administration (ARTSADMN) Open Sections

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### Cello (CELLO) Open Sections

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Students receive 1 credit in section 001 for attending a minimum of 10 qualifying EXCEL seminars and completing post-workshop reflective exercises, attending an introductory and a final discussion session, and submitting a final essay.
Chamber Music (CHAMBER) Open Sections

410 Chamber Music
   PI LAB 001 MTH 7-830PM ARR Albert
   This course meets in 2257 Moore

470 Chamber Collective
   PI LAB 001 TH 830-930AM ARR Albert
   This course meets in 2257 Moore

Notes:
These courses are advisory/enforced for each other.

Clarinet (CLARINET) Open Sections

111 Performance
   24771 PI REC 001 ARR ARR

Composition (COMP) Open Sections

221 Intro Elem Comp
   13036 P LEC 001 WTHF 1-2PM 706 BMT Etezady
   Beginning course for non-music majors.

415 Intro Electron Mus
   22445 PI LAB 002 M 430-530PM 3213 MOORE Santos
   22446 PI LAB 003 W 930-1030AM 3213 MOORE Santos
   22447 PI LAB 004 M 530-630PM 3213 MOORE Santos
   22448 PI LAB 005 W 530-630PM 3213 MOORE Santos
   20817 A LEC 001 TH 430-6PM 1350 SM Santos

515 Intro Electron Mus
   22449 PI LAB 002 M 430-530PM ARR Santos
   22450 PI LAB 003 W 930-1030AM ARR Santos
   22451 PI LAB 004 M 530-630PM ARR Santos
   22452 PI LAB 005 W 530-630PM ARR Santos
   20817 A LEC 001 TH 430-6PM 1350 SM Santos

Conducting (CONDUCT) Open Sections

315 Elem Conducting
   22481 P R REC 001 MWF 830-930AM 1320 MOORE Snyder
   13063 P R REC 002 MWF 930-1030AM 1320 MOORE Snyder

316 Elem Conducting
   31867 P R REC 001 MWF 930-1030AM 1370 SM Frey
   24540 P R REC 001 T 230-430PM 1378 SM Arrufat

501 Sem-Orch Conducting
   13066 PI LEC 001 TTH 1230-230PM 1340 MOORE Kiesler

Notes:
These courses are advisory/enforced for each other.
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### Double Bass (DBLBASS) Open Sections

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*Campus Symphony Orchestra
Audition Required. Please see [http://smtd.umich.edu/current_students/perf_opps/orchestras.htm](http://smtd.umich.edu/current_students/perf_opps/orchestras.htm) for audition information*

*University Symphony Orchestra
Audition Required. Please see [http://smtd.umich.edu/current_students/perf_opps/orchestras.htm](http://smtd.umich.edu/current_students/perf_opps/orchestras.htm) for audition information*

#### Univ Orchestras

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*University Symphony Orchestra
13086 P LAB 001 W 7-930PM 1380 SM Weinberg 200 N

*University Philharmonia Orchestra
Audition Required. Please see [http://smtd.umich.edu/current_students/perf_opps/orchestras.htm](http://smtd.umich.edu/current_students/perf_opps/orchestras.htm) for audition information*

*Campus Band
Audition Required. Please see [http://smtd.umich.edu/current_students/perf_opps/orchestras.htm](http://smtd.umich.edu/current_students/perf_opps/orchestras.htm) for audition information*

*Univ Band
Audition Required. Please see [http://smtd.umich.edu/current_students/perf_opps/orchestras.htm](http://smtd.umich.edu/current_students/perf_opps/orchestras.htm) for audition information*
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<td>Percussion/Timpani Repertoire</td>
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<td>Jr. &amp; Sr. Piano Majors Only. 1/2 Hr. private instruction and 1 1/2 hrs. studio work.</td>
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<td>Viola</td>
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U of M Open Classes Only Schedule of Classes  Page 341 of 413  FA 2019 2260 04-01-2019 12:04 21251132
Euphonium-Baritone (EUPHBARI) Open Sections

Flute (FLUTE) Open Sections

Fortepiano (FPIANO) Open Sections

Guitar (GUITAR) Open Sections

111 Performance 2.00 ADVISORY

Guitar 111 is for beginners - those who have never played guitar or who have very little experience. If you do not own a guitar one will be provided for you to use during the semester. This is not a class for intermediate or advanced guitarists. If you have playing experience, please register for GUITAR 112.

The purpose of GUITAR 111 is to help students develop their guitar skills, with a primary focus on using the guitar as an accompaniment instrument. Right Hand skills covered will include finger picking, flat picking, and a variety of strumming patterns. Left Hand skills will include open chords, barre chords, melody chords, and basic scale patterns. Introduction to reading of standard music notation, guitar tablature, and chord symbols will be covered. Other topics that will be presented include improvisation, playing by ear, and using the capo for transposition.

112 Performance 2.00

U of M Open Classes Only Schedule of Classes Page 342 of 413 FA 2019 2260 04-01-2019 12:04 21251132
Guitar 112 is for intermediate level guitarists - who have played guitar previously. You should have some experience playing open chords, strumming, and either finger picking or flat picking. Some experience reading chord symbols, tablature, and/or standard music notation is helpful. If you do not have any previous experience please register for GUITAR 111.

You must have your own acoustic steel string or nylon string acoustic guitar for GUITAR 112.

GUITAR 112 will continue developing the skills introduced in GUITAR 111. Right Hand skills covered will include finger picking, flat picking, and a variety of strumming patterns. Left Hand skills will include open chords, barre chords, melody chords, pentatonic, blues, major, and minor scale patterns. Reading of standard music notation, guitar tablature, and chord symbols will be included. Other topics that will be covered include improvisation, playing by ear, and using the capo for transposition.

Harp (HARP) Open Sections

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Jazz & Improvisational Studies (JAZZ) Open Sections

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Fund Rhythm A

This course is taught entirely by ear, without instruments or written materials. We will explore rhythms on human made grid systems such as even pulses, quantized subdivisions, metric cycles and song forms. Students will develop rhythmic accuracy, beginning with linear figures and working towards polyrhythmic structures. Special emphasis will be given to rhythmic concepts from India, West Africa, and other oral traditions that fall outside of the typical Western canon. All work will be done with singing and clapping in order to develop hearing, memory, and internalization. The second semester will continue with “Fundamentals of Rhythm B: The Continuum.”

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Class meets in the Duderstadt Center Windows Training Room 3.

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Fundamentals of Rhythm A: The Grid

This course is taught entirely by ear, without instruments or written materials. We will explore rhythms on human made grid systems such as even pulses, quantized subdivisions, metric cycles and song forms. Students will develop rhythmic accuracy, beginning with linear figures and working towards polyrhythmic structures. Special emphasis will be given to rhythmic concepts from India, West Africa, and other oral traditions that fall outside of the typical Western canon. All work will be done with singing and clapping in order to develop hearing, memory, and internalization. The second semester will continue with “Fundamentals of Rhythm B: The Continuum.”
be given to rhythmic concepts from India, West Africa, and other oral traditions that fall outside of the typical Western canon. All work will be done with singing and clapping in order to develop hearing, memory, and internalization. The second semester will continue with "Fundamentals of Rhythm B: The Continuum."

### Music Education (MUSED) Open Sections

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In this seminar we will develop a critical understanding of the role played by comedy and the comedic on the musical stage and we will probe a range of analytical and critical tools which put in evidence the historical and cultural significance of comedy as phenomenon and practice in 19th and 20th century culture. Genres studied include opera buffa, opera parody, operetta, and the revue; we will examine selected operatic productions and films foregrounding comedic purpose and critique.
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Students are auto-enrolled in Lec 001 when they elect Lab 002-004.

**NOTE:** THEOREY 137 does not fulfill any requirements listed by School of Music degrees

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Graduate Students Only

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The course is about the classical music traditions of North India, also known as Hindustani music. The first half of the course focuses on acquiring mastery over the basic musical materials of this idiom through singing, improvisation, and transcription exercises. The second half of the course builds on these skills to theorize about and analyze aspects of North Indian classical pitch (i.e. raga) and rhythmic (i.e. tala) structure, form, performance practice, and their connection to other musical idioms, including the classical music of South India, and the classical and popular musical traditions of the West.

**Species Cntrpt I**

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"Intensity, continuity, pacing" capture, for me, some of the ways that music creates drama and action. Pacing is speed or slowness, staying in the current moment, rushing ahead, drawing things out. Intensity can be as simple as loudness or softness or as complex as how strongly some music draws us into it. How a piece or passage "hangs together" is its continuity: a passage can move smoothly or abruptly to a succeeding passage; it can seem to contrast to a greater or lesser degree. If the terms I've chosen seem abstract, as they do to me, it is perhaps because they allude to qualities of sound that happen as time passes - qualities that can't be pinned down.

The course will center on listening and performance oriented analysis. I hope students will bring a wide spectrum of specializations, interests and backgrounds to work with music that might range from the Renaissance through the twenty-first century.

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 Violin (VIOLIN) Open Sections

String Showcase

String Showcase

String Showcase

Violin (VIOLIN) Open Sections

String Showcase

String Showcase

Voice (VOICE) Open Sections

Voice Literature (VOICELIT) Open Sections
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Wellness for Performing Arts (WELLNESS) Open Sections

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## Theatre And Drama

### Theatre & Drama (THTREMUS) Open Sections

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Intro to Global Theatre

| 227  | Intro Playwriting           | 3.00 |          |         | 11 | Y |

Rituals/Practices

| 240  | Intro to Design             | 3.00 | ADVISORY |         | 25 | N |

Directing, D&P and BTA majors only

| 245  | Intro Stage Management      | 2.00-3.00 | ADVISORY |         | 15 | Y |

Intro Tech Thtr Pract

| 250  | Practicum I                 | 1.00 | ADVISORY |         | 6 | N |

| 256  | Lighting Design I           | 3.00 | ADVISORY |         | 12 | Y |

| 260  | Scene Design I              | 3.00 | ADVISORY |         | 12 | Y |

| 261  | Practicum III               | 1.00 | ADVISORY |         | 6 | N |

| 262  | Practicum IV                | 1.00 | ADVISORY |         | 6 | N |

Students must elect a lecture section AND a lab section.

Performance Student Section student section

Directing, D&P, Interarts and BTA majors

| 251  | Practicum I                 | 1.00 | ADVISORY |         | 6 | N |

| 262  | Practicum IV                | 1.00 | ADVISORY |         | 6 | N |

Students must elect a lecture section AND a lab section.

Performance Student Section student section

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Performance Student Section student section
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**263 Design Rendering**
- Class # 17580
- Code: PI
- CMP: LAB
- SEC: 001
- DAYS: MW
- TIME: 1130-1300PM
- LOCATION: 2239 WDC
- CR: 3.00
- INSTRUCTOR: ADVISORY
- PREREQ: Myers
- LAB FEE: 2.00
- OPEN SEATS: 10
- WL: Y

**272 Movement III**
- Class # 26816
- Code: PI
- CMP: REC
- SEC: 001
- DAYS: TTH
- TIME: 9-11AM
- LOCATION: 1435 WDC
- CR: 3.00
- INSTRUCTOR: ADVISORY
- PREREQ: Kaassova
- LAB FEE: 18
- OPEN SEATS: N
- WL: Y

**261 Acting III: Greeks**
- Class # 13276
- Code: PI
- CMP: REC
- SEC: 001
- DAYS: TTH
- TIME: 130-330PM
- LOCATION: 1415 WDC
- CR: 3.00
- INSTRUCTOR: ADVISORY
- PREREQ: Eaton
- LAB FEE: 18
- OPEN SEATS: Y
- WL: Y

**283 Script Analysis**
- Class # 33184
- Code: PI
- CMP: SEM
- SEC: 001
- DAYS: TTH
- TIME: 430-6PM
- LOCATION: 2439 WDC
- CR: 2.00
- INSTRUCTOR: Hooker
- PREREQ: Simmons
- LAB FEE: 25
- OPEN SEATS: N
- WL: Y

**292 Voice III**
- Class # 31015
- Code: PI
- CMP: REC
- SEC: 001
- DAYS: TTH
- TIME: 11-1PM
- LOCATION: B222 WDC
- CR: 3.00
- INSTRUCTOR: ADVISORY
- PREREQ: Danford
- LAB FEE: 18
- OPEN SEATS: Y
- WL: Y

**301 Acting Practicum**
- Class # 24895
- Code: PI
- CMP: LEC
- SEC: 001
- DAYS: TTH
- TIME: 430-6PM
- LOCATION: 2439 WDC
- CR: 2.00
- INSTRUCTOR: IND +
- PREREQ: Arr
- LAB FEE: 25
- OPEN SEATS: N
- WL: Y

**321 Theat Hst I**
- Class # 13278
- Code: PI
- CMP: REC
- SEC: 001
- DAYS: MW
- TIME: 1-230PM
- LOCATION: 2239 WDC
- CR: 3.00
- INSTRUCTOR: Mbala Nkanga
- PREREQ: Eaton
- LAB FEE: 38
- OPEN SEATS: Y
- WL: Y

**334 Atonement Project**
- Class # 28988
- Code: PI
- CMP: REC
- SEC: 001
- DAYS: TTH
- TIME: 1-230PM
- LOCATION: B830 EQ
- CR: 3.00
- INSTRUCTOR: Pickus
- PREREQ: Paquette
- LAB FEE: 22
- OPEN SEATS: N
- WL: Y

**341 Directing III**
- Class # 14954
- Code: PI
- CMP: REC
- SEC: 001
- DAYS: TTH
- TIME: 1230-230PM
- LOCATION: 1435 WDC
- CR: 3.00
- INSTRUCTOR: Tulip
- PREREQ: Metcalfe
- LAB FEE: 12
- OPEN SEATS: Y
- WL: Y

**345 Stage Mgmt Plays**
- Class # 13280
- Code: PI
- CMP: LAB
- SEC: 001
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- TIME: 130-3PM
- LOCATION: 2443 WDC
- CR: 2.00
- INSTRUCTOR: Uffner-Elliott
- PREREQ: Decker
- LAB FEE: 12
- OPEN SEATS: Y
- WL: Y

**351 Practicum V**
- Class # 13281
- Code: PI
- CMP: LAB
- SEC: 001
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- TIME: 130-3PM
- LOCATION: 2443 WDC
- CR: 1.00
- INSTRUCTOR: ADVISORY
- PREREQ: Decker
- LAB FEE: 6
- OPEN SEATS: N
- WL: N

**352 Practicum VI**
- Class # 13290
- Code: PI
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- SEC: 001
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- OPEN SEATS: N
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**353 Sound for Theatre**
- Class # 26524
- Code: PI
- CMP: LAB
- SEC: 001
- DAYS: F
- TIME: 230-530PM
- LOCATION: B206 WDC
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- INSTRUCTOR: ADVISORY
- PREREQ: Reynolds III
- LAB FEE: 8
- OPEN SEATS: N
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**356 Lighting Design II**
- Class # 21664
- Code: PI
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- SEC: 001
- DAYS: MW
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- LOCATION: 1435 WDC
- CR: 3.00
- INSTRUCTOR: ADVISORY
- PREREQ: Murphy
- LAB FEE: 16
- OPEN SEATS: Y
- WL: Y

**370 Costume Design II**
- Class # 14262
- Code: PI
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- DAYS: MW
- TIME: 1-230PM
- LOCATION: 1435 WDC
- CR: 3.00
- INSTRUCTOR: ADVISORY
- PREREQ: Murphy
- LAB FEE: 12
- OPEN SEATS: Y
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**371 Physical Theatre**
- Class # 13299
- Code: PI
- CMP: LAB
- SEC: 001
- DAYS: TTH
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- LOCATION: 1435 WDC
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- INSTRUCTOR: ADVISORY
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- LAB FEE: 18
- OPEN SEATS: Y
- WL: N

**374 Stage Combat II**
- Class # 27160
- Code: PI
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- PREREQ: Traister
- LAB FEE: 55
- OPEN SEATS: Y
- WL: N

**381 Acting V**
- Class # 13298
- Code: PI
- CMP: LAB
- SEC: 001
- DAYS: F
- TIME: 130-3PM
- LOCATION: 2443 WDC
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- INSTRUCTOR: ADVISORY
- PREREQ: Berg
- LAB FEE: 30
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This is a junior/senior-level course.
Nursing
School Of Nursing

Health Sciences (HS) Open Sections

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Nursing (NURS) Open Sections

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For possible permission to register the following form must be submitted: coming soon
This is a hybrid course which means that you will have a combination of web-based class sessions and face to face
class sessions. This course will meet in person, in class on October 19 and all pre-learning work must be complete
prior to this required session.

Outside of Class Pre-learning Work: 9/9/19 -10/11/19
All Day Workshop: 10/19/19
Outside of Class Post-work: 10/21-10/26/19

Class meets:
1. Outside of Class Pre-learning Work:   10/21/19-11/22/19
2. All Day Workshop:  11/23/19
3. Outside of Class Post-work:  11/25/19-12/6/19

OPEN TO C E W STUDENTS.
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Professional Nursing Education (PNE) Open Sections
# Officer Education Programs

## Air Force Officer Education Program (AERO) Open Sections

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Students participating in Air Force ROTC need to register for the lab section. Please contact the department at 734-764-2403 with questions.

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# Army Officer Education Program

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Pharmacy

Clinical Pharmacy Translational Science (CPTS) Open Sections

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The course description can be found at: https://pharmacy.umich.edu/service. Note that permission is required to register for this course. Kinesiology 581, MoveSci 481, Pharmacy 503, PubHlth 503, and Social Work 573 are cross listed courses. If you would like to register for Kinesiology 581, MoveSci 481, SW 573 or PubHlth 503 please send a request, including your student ID#, to ServiceForHealth@umich.edu.

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Changes to the meeting day/time of this class will be communicated to enrolled students as soon as possible.

730  | Pharm D Sem                 | 1.00| ADVISORY |         | 80         | N  |
| 13401| PD SEM 001 F              | 2-5PM|         | 2548 NUB Park | 80 N  |
| 739  | Pharm Inv Rsch Rprt       | 1.00| ADVISORY |         | 25         | N  |
| 747  | Pediat Pharmacother       | 2.00| ADVISORY |         | 30        | N  |
| 21433| P LEC 001 T              | 130-430PM|       | 1567 NUB Klein | 50 N  |
| 757  | The Aging Patient         | 2.00| ADVISORY |         | 50         | N  |
| 13399| P LEC 001 TH            | 2-4PM|         | 1544 NUB Regal | 50 N  |

3rd Year Pharmacy students and Nursing students with Pharmacology.

790  | Adv Pharm Prac Exp 4       | 4.00| ADVISORY |         | 80         | N  |
| 13402| PD LAB 001                |     |         | 2548 NUB Walker | 80 N  |
| 791  | Adv Pharm Prac Exp 5       | 4.00| ADVISORY |         | 80         | N  |
| 17798| PD LAB 001                |     |         | 2548 NUB Walker | 80 N  |
| 792  | Adv Pharm Prac Exp 6       | 4.00| ADVISORY |         | 80         | N  |
| 21644| PD LAB 001                |     |         | 2548 NUB Walker | 80 N  |
| 799  | Curr Practical Prjct      | 1.00|         |         | 25        | N  |
| 22626| PD SEM 001                |     |         |         | Mueller    | 25 N  |

Pharmaceutical Sciences (PHARMSCI) Open Sections

300  | Biopharmaceutics          | 3.00| ADVISORY, ENFORCED |         | 50         | Y  |
| 26736| P R LEC 001 TTH          | 10-1130AM|         | 2548 NUB Lee | 50 N  |

Enforced Prerequisite: Completion of General Chemistry. Recommended: Completion of/concurrent enrollment in Calculus I.

400  | Pharmaceutics             | 3.00| ENFORCED  |         | 50         | N  |
| 29143| P R LEC 001 TTH          | 1130-1PM|        | 2548 NUB Cheng | 50 N  |

Prerequisites: General Chemistry and Calculus I

402  | UG Seminar PharmSci      | 1.00|         |         | 30        | N  |
| 29142| P SEM 001 T             | 4-5PM|         | 1544 NUB Amidon | 30 N  |

This course is open to students entering their final year in the BSPS program. Students will be required to attend fall term seminars offered by the Department of Clinical Pharmacy, Medicinal Chemistry, or Pharmaceutical Sciences (other program related seminars with permission). Please see Department websites for seminar schedules. Additional information regarding the number of seminars students will be required to attend and the dates for the mandatory Tuesday class sessions will be provided at the first class meeting.

508  | Drug Deliv and Soln      | 3.00| ADVISORY |         | 16         | N  |
| 16578| PD LEC 001 M            | 9-11AM|         | 2548 NUB Lee | 16 N  |
| 508  | Drug Deliv and Soln      | 3.00| ADVISORY |         | 16         | N  |
| 33703| P LEC 001 WF            | 9-10AM|         | 2548 NUB Wang | 16 N  |
| 519  | Pharmaceutical Eng       | 3.00| ADVISORY |         | 34        | Y  |
| 608  | Pharmacokin Concepts     | 4.00| ADVISORY |         | 6         | N  |
| 16962| PD LEC 001 M            | 11-12PM|         | 1552 NUB Smith | 6 N  |
| 21572| A LAB 002 P            | 10-12PM|         | 1544 NUB Smith | 6 N  |
| 701  | Equilibria/Dose Form    | 2.00| ADVISORY |         | 25        | N  |
| 31773| P LEC 001 T            | 1-3PM|         | 1544 NUB Amidon | 25 N  |
| 703  | Mass Transport/ChemK     | 2.00| ADVISORY |         | 25        | N  |
| 31774| P LEC 001 TH          | 1-3PM|         | 1567 NUB Schwendeman | 25 N  |
| 704  | Analytical Methods      | 2.00| ADVISORY |         | 24        | N  |
| 31775| P LEC 001 TH          | 10-11AM|        | 1567 NUB Cheng | 24 N  |

Class will meet in Room B022 in the College of Pharmacy.

838  | Sem in Pharmsci         | 1.00| ADVISORY |         | 50        | N  |
| 13395| P SEM 001 W            | 4-5PM|         | 2548 NUB Cheng | 50 N  |

Social and Administrative Sciences (SOCADMIN) Open Sections

FA 2019 2260 04-01-2019 12:04 21251132
Public Health

Biostatistics Department

Biostatistics (BIOSTAT) Open Sections

449 Topics in Biostat 3.00 ADVISORY

501 Intro to Biostats 3.00-4.00 ADVISORY, ENFORCED

521 Appl Biostatistics 3.00 ADVISORY

523 EPID Stat Methods 4.00 ENFORCED

524 Bio-Clin Researcher 4.00 ADVISORY

600 Intro to Biostat 1.00 ADVISORY

603 Prob&Distrib Theory 1.00 ADVISORY

605 Intro SAS Stat Prgrm 1.00 ADVISORY

607 Basic Computing 1.00 ADVISORY

For questions about overrides, please contact Nicole Fenech at fenechn@umich.edu

By: U of M Open Classes Only Schedule of Classes
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## Health Management And Policy

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### Notes
- This is a course for the students in the HMP Executive Masters program only.
- Sections 777 of this course is reserved for students in the Executive Masters program. At this time, students in the residential Masters (i.e., MPH, MHSA, MHI, and MS) programs are not permitted to register for these sections.
- Section 777 of this course is reserved for students in the Executive Masters program. At this time, students in the residential Masters (i.e., MPH, MHSA, MHI, and MS) programs are not permitted to register for these sections.
- This section is reserved for students in the Executive Masters program only.
- This section is reserved for students in the Executive Masters program only.
- HMP 630 is cross-listed with BE 518, PHRMACOL 620, BIOMEDE 523, & ENGR 523. This class meets on four Thursday evenings from 5:30 pm - 8 pm in addition to Monday/Wednesday mornings. The Thursday meeting dates for 2017 are 9/7, 9/21, 9/28, and 10/12.
- This section is reserved for students in the Executive Masters program only.
- Students interested and/or selected to compete in department sponsored case competitions are encouraged to participate in this course. The course will develop skills at analyzing strategically oriented cases in healthcare management. It is structured to help the students understand the importance of working in teams, working with difficult personalities, and present as a confident and cohesive unit.
health system access over many decades is still being parsed out in the literature. In this course, we will redefine knowledge of health disparities through a health equity lens to explore the implications of managerial solutions as they pertain to health care organizations. We will use systematic, clinical, and social issues of origin to both explain and try to resolve management’s role in addressing health equity.

<table>
<thead>
<tr>
<th>CAT#</th>
<th>Course Title</th>
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# Health Behavior & Health Education Department

## Health Behavior And Health Education (HBEHED) Open Sections

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**Nutritional Sciences**

**Nutritional Sciences (NUTR) Open Sections**
## School Of Public Health

### Public Health (PUBHLTH) Open Sections

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</table>
For registration questions, contact Jillian McConville:
jmcconv@umich.edu.

Students planning to apply to the public health major should not enroll in this course.

For registration questions, contact Jillian McConville:
jmcconv@umich.edu.

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jmcconv@umich.edu.
Environmental justice for all Michigan residents.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Some states, including California and Minnesota, reduce toxic airborne emissions and promote better health outcomes for residents by measuring the cumulative impact of hazardous air pollutants. In this class, students will determine why Michigan has failed to adopt such a cumulative impact approach. Students will incorporate evidence and ideas from education, law, health sciences, public policy, social work, information, and other fields to identify interventions designed to help LGBTQ+ trafficking victims. Students will work with stakeholders and incorporate insights from law, social work, public policy, health sciences, and other fields to develop innovative solutions.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

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Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

741 Interdisc Prob Solv 3.00 ADVISORY
32537 PD LAB 004 W 315-415PM ARR Gray, Carr 15 N
741 Interdisc Prob Solv 3.00 ADVISORY
P LAB 004 W 430-630PM 1060 JEFFRIES 15 N

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). The U.S.’s unemployment insurance (UI) system faces challenges, including outdated eligibility requirements, fallout from the financial crisis, and insufficient funding. Students will study state UI system vulnerabilities and explore novel federal public policy and financing strategies to develop a plan to improve and modernize the UI safety net, drawing on insights from law, public policy, business, social work, economics and other relevant fields.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

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796 PH Special Topics 3.00
27506 PI SEM 003 ARR ARR Carr 2 N

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). The U.S.’s unemployment insurance (UI) system faces challenges, including outdated eligibility requirements, fallout from the financial crisis, and insufficient funding. Students will study state UI system vulnerabilities and explore novel federal public policy and financing strategies to develop a plan to improve and modernize the UI safety net, drawing on insights from law, public policy, business, social work, economics and other relevant fields.

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803 Effective Teaching 2.00
26469 P SEM 001 W 8-10AM 2690 SPH1A Anderson 15 N
# Public Policy

## School of Public Policy

### Public Policy (PUBPOL) Open Sections

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The goal of this course is to provide a framework for interpreting public discourse on energy issues. How do energy technologies shape the choices people make as individuals, as members of groups, and as elements of society at large, and how do such choices affect energy technologies? These choices are constrained by fundamental scientific principles that determine how end on fossil-fuels, and why known fossil-fuel alternatives give rise to conflicts between rising energy demands and technological feasibility. These choices are expressed through interactions across social, engineered and natural systems. We will develop general principles by analyzing examples taken from electricity, transportation, natural gas, and communications systems. The history of these energy systems is interconnected, as illustrated by the emergence of the electrical grid from inventions in the 1890s of central electrical power plants and the contemporaneous emergence of automobiles. Today we marvel at the rapid rise and adoption of the internet, but an even more stunning cultural/technological transition occurred during the early 20th century when "electrical energy" moved from a rich-man's toy to its cultural embedding as a public right. In parallel, the growth in demand for energy technologies, in particular electricity and automobiles, was accompanied by financial scandals and unscrupulous practices that set into motion large scale encroachment on environmental welfare and public health. Federal and state governments responded with a dizzying array of regulations and legal strictures. We are still trying to figure out how to integrate competing interests on many scales and how to reconcile our desires with the iron-clad law that Mother Nature cannot be fooled.

## Env Politics&Policy

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This course introduces students to the adoption and implementation of environmental policy, with primary emphasis on the United States. It draws heavily from the discipline of political science in examining environmental politics and how this body of theory translates into public policy. Unlike many policy courses that focus exclusively on either national or international institutions, this course will concentrate on federal, state, and local governance and relations across these levels. In turn, we will frequently compare the respective abilities of state and federal governments to both enact and implement environmental policy, drawing on past experience to consider what the "next generation" of American environmental policy might entail.

## Politics & Pub Pol

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This is a core course restricted to Ford School students only.
This is a core course restricted to Ford School students only.

18336 A LEC 001 TTH 1-220PM 1120 WEILL Nyhan

This course prepares students to understand the political and institutional environment within which public policy is formulated and implemented. The primary focus will be on policy processes within the United States, but some attention will be paid to the policy process in other countries and/or the international political system.

This is a core course restricted to Ford School students only.

330 Microeconomics 4.00 ADVISORY 40 Y

This discussion section is for students assigned to 330.001 - In Depth

18353 PDR DIS 003 F 11-1150AM 1230 WEILL

In Depth

This is a core course restricted to Ford School students only.

This course develops students' abilities to use microeconomic analysis to further our understanding of public policy. Major topics include models of consumer and firm behavior, operation of market systems, public goods and externalities, market failure, benefit-cost analysis, and the impacts of government regulation on economic policy.

Advisory Pre-requisite: MATH 115.

18354 PDR DIS 004 F 12-1250PM 1230 WEILL

This is a core course restricted to Ford School students only.

This discussion is for students assigned to 330.002

25203 AD LEC 002 MW 230-350PM 1110 WEILL Stevenson

This is a core course restricted to Ford School students only.

42 Cong&State Legis 3.00

19229 P R LEC 001 TTH 1130-1250PM 1220 WEILL Schwarz

Is Congress too partisan? Can Congress fulfill its legislative and oversight functions? Do the executive and judicial branches effectively control public policy formulation? Have the State Legislatures become the true "laboratories of democracy"?

447 Excel for PubPol 1.50

30496 P R LAB 001 MW 10-1120AM 3117 WEILL Worthington

This course is designed to familiarize students with core skills in data access, manipulation, analysis, and presentation using Excel (and Excel-like alternatives). Spreadsheet programs remain an important part of professional life, and this course will prepare students for basic and intermediate use of aspects of the program in that setting. Students will learn about data import, formatting, and management. You will also learn about producing tables (including summarization), visualizations, varieties of analysis (ANOVA, regression, etc.), and basic programming. No prior knowledge of Excel is expected, but familiarity with basic concepts of statistics is recommended.

Combined w/ PubPol 647.

457 Data Visual PubPol 3.00

32154 P R LAB 001 MW 4-520PM 3117 WEILL Worthington

Communicating through visual presentation of data is a critical skill in a variety of industries. This course will introduce students to data visualization, from principles to practice. Topics in the course will include: principles of data communication, understanding ?types? of data, grouping and summarization, static presentation of data, dynamic presentation of data, interactive presentation of data, presentation of model results and estimates, and matters of accessibility and style. You will be asked to examine and critique existing work and practice creating visualizations of your own. You will also be introduced to a variety of commonly-used software for data visualization.

Combined w/ PubPol 557.

466 Hist&Future Detroit 1.00

The class will be held the following days: 9/17, 9/19, 9/21 Detroit tour, 9/24, 9/26.

Detroit was the nation's most important city in the Twentieth Century because of the the auto industry, the emergence of the blue collar middle class and development of the New Deal. Now it is the most negatively stereotyped city in the nation. The course describes changes in Detroit and emphasizes policy developments in Rust Belt metropolises as they cope with the restructuring of employment. Students will learn about the restructuring of employment.

22273 P R REC 001 TTH 1130-1250PM 1120 WEILL Farley

467 STATA for PubPol 1.50

32157 PIR LAB 001 MW 1-220PM 3117 WEILL Worthington

*Note: Instructor consent required*

This course is an introduction to programming and working in STATA, a core statistical program in the social sciences. In a variety of fields, STATA remains the baseline program for analysis, data management, and visualization. In this class, students will learn workflow management in STATA, data import, manipulation, and management, and fundamentals of analysis in the software environment. At its conclusion, students should be ready to begin using STATA in their own analysis and to move forward through self-study.

This course covers basics of STATA's command, object, memory, and interface fundamentals, data import and management, creation of basic statistical summaries, linear regression and regression diagnostics, analysis for binary and categorical outcomes, and basics of time series and panel data analysis. The course is graded credit/no credit (pass/fail), with weekly review questions in STATA. Students in the class are not expected to have prior knowledge or experience in STATA, but a baseline knowledge of statistical concepts is highly recommended.

Combined w/ PubPol 567.
This is a course for students interested in social justice and equality, social justice movements, anti-discrimination movements, and public policy, and the role of law in the context of the temporal evolution of the democratic state. It will seek to provide a comparative and global understanding of how social movements have shaped and shaped discourses of human rights over time. It will address the role of civic movements and leaders in transforming social understandings and meanings of the concepts human rights (social, political, economic, and cultural rights) over the last two centuries. It will explore the relationships between individual action, collective processes and outcomes as these affect and are shaped by the contexts of system/s, institution/s, law/s and public policy frameworks. It will address how inherent and intersecting relations of power, systems and structures of dominance are related to the experience of violence, oppression, and social resistance. As these are often textured into the context of politics, economies, and the environment. It will explore the relationships between public policy, the law, institutional structure, social norms, social conditioning, ideologies, strategic communicative interactions, group engagements and imperial behaviors in the public spheres. It will pay special attention to the consequences social movements, social actors and leaders produce for politics, the economy, the environment, justice, equality, human rights and human lives in the everyday. This course will introduce students to the intellectual and technical rigors of democratic, non-violent and effective leadership in the spheres of policy, the law and society. It will explore the social and political endeavors of such leaders and movements to address the difficult questions facing our world and lives today. In this way it will provide an overview of how leaders negotiate, manage and resolve conflicts in organizational and intra-organizational settings. Importantly it will provide students with a theoretical understanding of how trans-generational and social trauma comes to bear on successful institutional, systemic, and programmatic intervention at the nexus of social justice work, the law and public policy.

Policy Design, Strategy, and Practice
More than 50 years after the passage of the Civil Rights Act, significant gender and ethno-racial inequality in the labor market remains. Why? This course relies on a multidisciplinary literature from sociology, economics, psychology, moral philosophy, and socio-legal studies to examine ethno-racial and gender inequality in the labor market. We will first review and evaluate major explanations of inequality in the labor market, including employer discrimination, human capital differences, sexual harassment, occupational sex segregation, mass incarceration, inflexible workplaces, and segregated social networks. Then, we will discuss public policies and organizational efforts that seek to directly or indirectly ameliorate ethno-racial or gender inequality, such as paid family leave, “ban the box,” unconscious bias and sexual harassment trainings, and increases to the minimum wage. We will discuss the motivation for these remedies, their effectiveness, and the ethical questions they raise.

Of those institutions of government charged with the responsibility of enforcing these moral norms, we will explore the particular role of the courts?international and certain domestic ones. In the area of human rights and liberties, the United States has traditionally been a beacon of hope. And so, we will be particularly attentive to the special role of the Supreme Court of the United States in giving meaning to the words of the Constitution and laws that guarantee basic rights. This course will explore the legal enforcement of those human rights that are fundamental and are the birthright of all human beings. We will review the international political and legal framework established over the past fifty years to protect human rights. We will home in on how effectively those universally-accepted legal norms are enforced. Conventional legal wisdom holds that where there is a right, there is a remedy. We will explore whether this is, indeed, true in the international human rights context. Specifically, the central inquiry of this course is what needs to be done to give legal effect to the moral norms that embody human rights and fundamental freedoms?

In the immediate aftermath of the terrorist attacks on September 11, 2001, counterterrorism quickly became the most important national priority for the United States and dominated the security landscape for the rest of the decade. Even after the death of al-Qaeda leader Usama bin Laden in 2011 which some experts thought might have signaled the potential demise of that group and the threat it posed to the United States, al-Qa’ida and other groups remained resilient even when faced with significant counterterrorism pressure. By the middle part of the 2010s, events such as the Arab Spring, the rise of the Islamic State in Iraq and al-Sham (ISIS), competition from China and Russia, and security threats from regimes like North Korea and Iran combined to force hard choices regarding the prioritization of counterterrorism and the U.S. focus on it. Over the last twenty years, key decisions in the National Security Council (NSC) drove U.S. policy on counterterrorism, with different approaches adopted by different administrations.

This class will explore U.S. policy on counterterrorism before and after the September 11, 2001 attacks through the lens of NSC decision-making and some of the key personalities involved. It will first look at the NSC from a historical context and identify its key roles and functions, before transitioning into an examination of terrorist threats, and then the more specific context of NSC decisions and policy choices on counterterrorism. The course
will also involve guest speakers, writing assignments geared toward NSC style and format, and simulated NSC meetings where students assume different interagency roles and examine potential courses of action on various counterterrorism issues.

The objectives of the course include:

1. Learning key NSC functions, the organization’s evolution since its creation in 1947, and how counterterrorism functions within it.
2. Identifying different terrorist threats the United States has confronted over the last three decades.
3. Evaluating the strengths and weaknesses of counterterrorism policy choices across different administrations.
4. Developing practical analytic, writing, and oral presentation skills relevant to national security career fields.

Higher Education Public Policy
This course will examine the higher education sector from several different angles, but with an emphasis placed on the economic issues. Topics include the benefits of higher education, government’s interest in promoting it, and various policies that impact access, persistence, affordability, and accountability. Policies examined include financial aid, affirmative action, state and federal funding, regulation of the for-profit sector, and many others.

Combined with PubPol 611.

Cybersecurity for Future Leaders
Location: 1010 Dow Engineering Building (North Campus).
Co-taught with Dr. Carl Landwehr, Lead Research Scientist, Cyber Security Policy & Research Institute, George Washington University.

Future leaders will need to understand the science, technology, and human considerations behind cybersecurity well enough to make informed decisions when provided advice and options for action. Over the last decade cybersecurity issues have risen in prominence from a U.S. national security perspective, as well as from the perspective of individuals and organizations. There have been near daily reports regarding cyber operations launched by nation states, hacking groups, criminal organizations, and individuals against a variety of targets, using different tools and methods, and with different effects. Technology has accelerated the rate of cyber operations, enabling those intent on using cyber tools for a variety of malign purposes. The U.S. government has also attempted to reorganize and reorient towards this multi-dimensional threat, in addition to private industry, state and local governments, and academia?but there are still a number of gaps and vulnerabilities that deserve technical and policy attention and solutions.

This class will examine the broad landscape of cybersecurity from both a technical and policy perspective. It will introduce fundamental concepts of computing and cyber security, including information theory, computability, cryptography, networking fundamentals, how vulnerabilities arise, and how attacks work. In addition, it will explore foundational ideas including definitions, cyber norms, and ethics; identify existing U.S. laws, authorities and governmental constructs; and frame classic security concepts like deterrence, attribution, offense, defense, and retaliation. The course will also involve guest speakers, short writing assignments designed to capture technical or policy insights, policy papers designed to explore alternative views on different cybersecurity topics, and simulated National Security Council policy meetings where students assume different interagency roles and examine potential courses of action.

The objectives of the course include:

1. Enhancing knowledge on technical and policy aspects of cybersecurity.
2. Sharpening critical thinking, executive briefing, and team collaboration skills.
3. Understanding real-world implications of cyber operations.
4. Identifying possible solutions or opportunities to address existing cybersecurity challenges.

Applied Learning Seminar
Instructors: Ann Lin and Stephanie Sanders
This is a required course open only to current Ford School BA students.

Course Objectives:

1. Students will explore their social identities, values and emotions about a public policy issue (gun control) and examine the factors that have contributed to their beliefs.
2. Students will gain an understanding of the ways their beliefs and emotions are embedded in social networks and shared values.
3. Students will learn to consciously employ effective communication (i.e. reflection, empathy, asking, and listening), as a tool for understanding public policy debates and advancing public policy solutions.
4. Students will practice using narratives, reframing, and dialogue to work across differences.

Note: Instructor consent required
This course is an introduction to programming in the R statistical language. R is a flexible, open-source statistics platform which has gained broad adoption in a variety of fields. Through interacting with R, R Studio, and elements of the ?Tidyverse? (a collection of R packages for data manipulation, analysis, and visualization), students will learn the fundamentals of working in R. By completing this class, students should have the baseline skills necessary to continue their self-study in R on topics suited to their own interests.

This course covers the fundamentals of programming in R, object types and structure, import and use of packages for expanding R’s capabilities, data management, and basic analysis. The course is graded credit/no credit (pass/fail), with weekly review questions in R. Students are not expected to have prior experience in R or other programming, but familiarity with basic concepts in statistics is recommended.

Combined with PubPol 577.

479 Eval Public Policies 4.00

This course teaches the norms of policy writing to first-year policy students. Through small workshops, students will produce a good deal of writing and receive detailed criticism in a relatively short time to facilitate their development.

This course covers the fundamentals of programming in R, object types and structure, import and use of packages for expanding R’s capabilities, data management, and basic analysis. The course is graded credit/no credit (pass/fail), with weekly review questions in R. Students are not expected to have prior experience in R or other programming, but familiarity with basic concepts in statistics is recommended.

This course will provide an introduction to the fundamentals of evaluation research design and methods as applied to public policies and programs. The course will cover the role of evaluation in the public policy process, and both process and summative evaluation research, including research designs for establishing causal inference between exposure to public policies/programs and outcomes. Students will gain skills in understanding and crafting research designs common in public policy evaluation, including randomized controlled trials, quasi-experimental designs and time series designs. Students will also gain skills in understanding/critiquing published public policy evaluation literature, measurement/data collection methods, and basic statistical methods for analyzing evaluation data. Class format will include lecture, discussion of case studies, and small group applied exercises.

This course will help build your research/analysis skills.

491 MIW Res Sem 4.00

This is a core course restricted to Ford School students only. Registration is by permission only.

495 Policy Seminar 4.00

This is a core course restricted to Ford School students only. Registration is by permission only.

510 Politics of Pub Pol 3.00

This is a core course restricted to Ford School students only. Registration is by permission only.

513 Calculus 3.00 ADVISORY

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This course teaches the norms of policy writing to 1st year policy students. Through small workshops, students will analyze approaches to different types of policy writing. They will produce a good deal of writing - and receive detailed criticism - in a relatively short time to facilitate their development.

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522 Writing for PubPol 1.00
In this ten-week course, students will learn to write for a public policy audience. Students will research a policy topic and will write about it in three separate documents (an op-ed and two memos), each of which will undergo extensive revision. Through workshops, class discussion, and instructor feedback, students will finish the course with a strong writing sample and greater confidence in policy writing norms and style.

The class meets once a week and is open only to MPA students.

31674 PDR SEM 002 F 12-120PM 5240 WEILL Morse 10 N

This course covers descriptive statistics, probability theory, probability distributions (normal, binomial, Poisson, exponential), sampling distributions, confidence intervals, and hypothesis testing. It also includes an introduction to experimental design. The emphasis in the course is on preparing competent users and consumers of basic statistics. Some attention is paid to the mathematical underpinnings of statistical theory so that students will be prepared to go on to the Ford School econometrics course (PUBPOL 571).

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541 Intl Trade Policy 3.00
This course surveys what we do and don't know about economic growth and poverty alleviation in developing countries. We begin by discussing alternative perspectives on the goals of development. The substantive sections of the course address specific topics relevant to developing countries, such as: technology and growth; international trade and investment; international migration and remittances; coping with risk; public health and education; corruption and governance; and public finance.
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| 577  | Advisory prerequisite: A graduate-level course in linear regression, analysis, panel and time-series-cross-sectional models. Topics will include models for binary and categorical dependent variables, beyond the standard OLS model. Topics will include models for binary and categorical dependent variables, beyond the standard OLS model. Students will understand how to design, execute, and interpret the results from advanced estimation techniques. Students will understand how to design, execute, and interpret the results from advanced estimation techniques. This course covers basics of STATA's command, object, memory, and interface fundamentals, data import and visualization. In this class, students will learn workflow management in STATA, data import, manipulation, and fundamentals of analysis in the software environment. At its conclusion, students should be ready to begin using STATA in their own analysis and to move forward through self-study. This course covers basics of STATA's command, object, memory, and interface fundamentals, data import and management, creation of basic statistical summaries, linear regression and regression diagnostics, analysis for binary and categorical outcomes, and basics of time series and panel data analysis. The course is graded credit/no credit (pass/fail), with weekly review tasks in STATA. Students in the class are not expected to have prior knowledge of software or principles, but a baseline understanding of statistical concepts is recommended. $\,
| 571  | Applied Econometrics         |    |        |         |            |    |
| 554  | Econ for Pub Affairs         | 3.00 | ADVISORY |         |            |    |
| 555  | Microeconomics A            | 3.00 | ADVISORY |         |            |    |
| 556  | Macroeconomics              | 3.00 | ADVISORY |         |            |    |
| 557  | Data Visualization          | 3.00 |         |         |            |    |
| 567  | STATA Practicum             | 1.50 | ADVISORY |         |            |    |
| 570  | Applied Econometrics        | 3.00 | ADVISORY, ENFORCED |         |            |    |
This course is an introduction to programming in the R statistical language. R is a flexible, open-source statistics platform which has gained broad adoption in a variety of fields. Through interacting with R, RStudio, and elements of the Tidyverse (a collection of R packages for data manipulation, analysis, and visualization), students will learn the fundamentals of working in R. By completing this class, students should have the baseline skills necessary to continue their self-study in R on topics suited to their own interests.

This course covers fundamentals of programming in R, object types and structure, import and use of packages for expanding R's capabilities, data management, and basic analysis. The course is graded credit/no credit (pass/fail), with weekly review questions in R. Students are not expected to have prior experience in R or other programming, but familiarity with basic concepts in statistics is recommended.

Combined w/ PubPol 477.

578 Applied Policy Sem
19654 P R SEM 001 MW 4-520PM 3240 WEILL Gerber 3.00 ADVISORY

The Applied Policy Seminar (APS) is an opportunity for students to conduct a faculty-supervised consulting project for a public, private, or non-profit sector policy organization at the local, state, national or international level. Projects range widely in policy area, level of quantitative analysis required, size, and complexity. All projects culminate in the publication of a final report and an oral presentation to the client.

Students must also register for PubPol 778: Project Skills Workshop (1 credit).

580 Values & Ethics
25272 P R LEC 001 TTH 230-350PM 1220 WEILL Tompkins-Stange 3.00 ADVISORY

This course seeks to make students sensitive to and articulate about the ways in which moral and political values come into play in the American policy process, particularly as they affect non-elected public officials who work in a world shaped by politics. Topics covered include the tension between ethics and politics, an introduction to various moral theories that figure in contemporary policy debates, a consideration of the principal values that animate American politics, and issues and dilemmas in professional ethics. The course addresses issues that affect international as well as U.S. policy and politics.

This is a core course restricted to Ford School students only.

29292 P R LEC 002 MW 10-1120AM 1220 WEILL Thacher 29 Y

This is a core course restricted to Ford School students only.

586 Public Management
29796 P R SEM 001 TTH 10-1130AM 1230 WEILL Tompkins-Stange 1.50 ADVISORY

Performance Management
29797 P R SEM 002 MW 1-220PM 1230 WEILL Rabe 24 Y

Performance Management

This course will examine issues of performance measurement and management in the context of public sector agencies in the United States. It will focus primarily on the federal level of government but will also consider some state and local government issues and make some occasional reference to cases beyond American borders. This module will be divided into two units. First, it will review the evolution of public management in the United States and consider enduring challenges that frequently lead to management failure. Second, it will consider the lessons from recent decades in which performance management has been prioritized across the federal government and many states, becoming a focal point in American governance. We will consider the wide range of reform initiatives attempted in the U.S. under the broad umbrella of the so-called New Public Management, looking at a number of alternative approaches to public management challenges. This will place particular emphasis on the question of whether or not it is feasible to measure the performance of individual agencies and staff and use those measures to improve government performance. Students will have the opportunity to complete a pair of writing projects, including an independent performance assessment of a federal government unit of their choosing, as well as an oral presentation on their key findings from this analysis.

587 Public Mgmt
29269 P R SEM 001 MW 4-520PM 1210 WEILL Smith 1.50 ADVISORY

Intergovernmental Alliances

Throughout this course we will explore the key characteristics of and tensions related to intergovernmental agreements, examining how various forces shape the nature and extent of collaborations. Students will apply this learning to an emerging intergovernmental partnership opportunity in southeast Michigan, collectively producing a consulting report to the potential parties, recommending how the instrument (e.g., contract, authority, merger) should be constructed and governed. The course will involve direct engagement with regional public officials, significant readings and both reflective and analytical writing.

581 Org Causes of Tech Failures
29780 P R SEM 002 W 4-550PM 1230 WEILL Little 24 Y

611 Higher Ed & Pub Pol
30824 P R SEM 001 MW 230-350PM 1220 WEILL Stange 3.00 ADVISORY

This course will examine the higher education sector from several different angles, but with an emphasis placed on the economic issues. Topics include the benefits of higher education, government's interest in promoting it, and various policies that impact access, persistence, affordability, and accountability. Policies examined include financial aid, affirmative action, state and federal funding, regulation of the for-profit sector, and many others.

Combined w/ PubPol 475.004

626 Hist & Futr Detroit

1.00
Detroit was the nation's most important city in the Twentieth Century because of the auto industry, the emergence of the blue collar middle class and development of the New Deal. Now it is the most negatively stereotyped city in the nation. The course describes changes in Detroit and emphasizes policy developments in Rust Belt metropolises as they cope with the restructuring of employment.

This is a core course restricted to Ford School students only.

This course is an accelerated introduction to a variety of Public Policy research and analysis-related skills in the Microsoft Excel environment. This course is designed to familiarize students with core skills in data access, manipulation, analysis, and presentation using Excel (and Excel-like alternatives). Spreadsheet programs remain an important part of professional life, and this course will prepare students for basic and intermediate use of aspects of the program in that setting.

This course covers data import, formatting, and management. Analysis topics include: producing tables (including summarization), visualizations, and an overview of statistical analysis (ANOVA, regression, etc.). The course is graded credit/no credit (pass/fail), with weekly review tasks? in Excel. No prior knowledge of Excel is expected, but familiarity with basic concepts of statistics is recommended.

This course is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Narratives around combating human trafficking are narrowly construed, with white cisgender girls typically portrayed as the victims of heteronormative sex trafficking. Such narratives, and interventions meant to aid trafficking victims, overlook LGBTQ+ communities and fail to address their needs. In this class, students will work with stakeholders and incorporate insights from law, social work, public policy, health sciences, and other fields to identify interventions designed to help LGBTQ+ trafficking victims.

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This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). In Michigan, many children are subject to formal child abuse and neglect investigations, and those children are at high risk of subsequent maltreatment, poor school performance, foster care placement, and other adverse life outcomes. Multidisciplinary teams of students will develop tools to identify at-risk children, mitigate risks of maltreatment and removal from the home, and engage with at-risk families. Students will incorporate evidence and ideas from education, law, health sciences, public policy, social work, information, and other fields to develop innovative solutions.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.
This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Some states, including California and Minnesota, reduce toxic airborne emissions and promote better health outcomes for residents by measuring the cumulative impact of hazardous air pollutants. In this class, students will determine why Michigan has failed to adopt such a cumulative impact approach. Students will incorporate ideas from economics, design, social work, and other fields to advance a solution that accounts for multiple, geographically-concentrated pollution sources and promotes environmental justice for all Michigan residents.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

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### Interdisc Prob Solv

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<td>25256</td>
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This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). The U.S.' unemployment insurance (UI) system faces challenges, including outdated eligibility requirements, fallout from the financial crisis, and insufficient funding. Students will study state UI system vulnerabilities and explore novel federal public policy and financing strategies to develop a plan to improve and modernize the UI safety net, drawing on insights from law, public policy, business, social work, economics and other relevant fields.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

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### Poverty & Inequality

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<td>736</td>
<td>Poverty &amp; Inequality</td>
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This course examines the nature, extent and causes of poverty and inequality in the US relying on a multidisciplinary literature from sociology, political science, economics, and psychology. The large number of anti-poverty programs that have been tried in the last 30 years underscores the extent of disagreement about the causes of poverty, the situation of the poor, and the role of the government in encouraging income redistribution and social change. This course will explore the problem of poverty, theories of poverty and the implications that these theories have for public policies targeting poverty. We will study issues related to topics such as housing and neighborhoods, structural economic changes like wages and inequality, families and social norms, and mass incarceration to consider how these issues generate and reproduce poverty, lack of opportunity, and inequality.

### Causal Infer Ed K-12

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This course focuses on rigorous evaluation of policies and interventions intended to support children's early learning and success in K-12. Evaluations will be discussed in the context of the current and historical landscape. Specific topics will include theories across developmental psychology and economics, school accountability, teacher-focused policies, and digital learning.

This is a pre-requisite to PubPol 713, unless student has permission from the instructor.

### Social Activism

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This course investigates how multifaceted historical relationships of traumatic experience including Colonization, Slavery and Apartheid can be related to the ways in which we think about policy. This course takes a multidisciplinary approach to how the production of culture, ecology, psychology, law, economics and politics frames the sociology and historiography of the policymaking context. This course provides the opportunity for student's to improve their analytical abilities. Whilst the material content used in this course will have a global focus local issues will also be considered.

### Econ of Publ Sect

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This is a course on how economists think about government revenue and government expenditures ? how governments raise and spend public money. Public Finance is a subfield of microeconomics. In the course, we will begin by delving more deeply into rationales for government intervention in the market (introduced in Micro A/B), including public goods, externalities, and equity. We will then use the tools of economics to analyze a number of important public policy issues, such as public health insurance, social security, and anti-poverty programs. The second part of the course will cover tax policy, and we will explore how the burden of taxation is distributed, how taxes affect the economic behavior of individuals and firms, and options to reform the tax system. The course will cover the theory of public finance in depth, but the ultimate aim will always be to apply the concepts to real world policies and programs. Toward that end, we will spend substantial time both inside and outside of the classroom applying the concepts and reviewing existing empirical evidence. The course focuses on the US, but we will discuss comparisons with other countries from time to time.

### Special Topics

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This course will explore the legal enforcement of those human rights that are fundamental and are the birthright of all human beings. We will review the international political and legal framework established over the past fifty
years to protect human rights. We will home in on how effectively those universally-accepted legal norms are enforced. Conventional legal wisdom holds that where there is a right, there is a remedy. We will explore whether this is, indeed, true in the international human rights context. Specifically, the central inquiry of this course is what needs to be done to give legal effect to the moral norms that embody human rights and fundamental freedoms.

Of those institutions of government charged with the responsibility of enforcing these moral norms, we will explore the particular role of the courts?international and certain domestic ones. In the area of human rights and liberties, the United States has traditionally been a beacon of hope. And so, we will be particularly attentive to the special role of the Supreme Court of the United States in giving meaning to the words of the Constitution and laws that guarantee basic rights.

**NSC & Counterterrorism**

In the immediate aftermath of the terrorist attacks on September 11, 2001, counterterrorism quickly became the most important national priority for the United States and dominated the security landscape for the rest of the decade. Even after the death of al-Qa?ida leader Usama bin Laden in 2011?which some experts thought might have signaled the potential demise of that group and the threat it posed to the United States, al-Qa?ida and other groups remained resilient even when faced with significant counterterrorism pressure. By the middle part of the 2010s, events such as the Arab Spring, the rise of the Islamic State in Iraq and al-Sham (ISIS), competition from China and Russia, and security threats from regimes like North Korea and Iran combined to force hard choices regarding the prioritization of counterterrorism and the U.S. focus on it. Over the last twenty years, key decisions in the National Security Council (NSC) drove U.S. policy on counterterrorism, with different approaches adopted by different administrations.

This class will explore U.S. policy on counterterrorism before and after the September 11, 2001 attacks through the lens of NSC decision-making and some of the key personalities involved. It will first look at the NSC from a historical context and identify its key roles and functions, before transitioning into an examination of terrorist threats, and then the more specific aspects of NSC decisions and policy choices on counterterrorism. The course will also involve guest speakers, writing assignments geared toward NSC style and format, and simulated NSC meetings where students assume different interagency roles and examine potential courses of action on various terrorism issues.

The objectives of the course include:

1. Learning key NSC functions, the organization?s evolution since its creation in 1947, and how counterterrorism functions within it.
2. Identifying different terrorist threats the United States has confronted over the last three decades.
3. Evaluating the strengths and weaknesses of counterterrorism policy choices across different administrations.
4. Developing practical analytic, writing, and oral presentation skills relevant to national security career fields.

**Policy Design, Strategy and Pr**

In this seminar, students will confront major challenges in moving policy initiatives forward. The course will focus on two important policy arenas: U.S. Unemployment Insurance (70+ years of failure to reform), and US-China trade relations (evolving challenges). Drawing in depth from vital experiences on these topics, students will learn about the panoply of efforts involved in designing and implementing policy including interactions among the clash of policy perspectives, the role of personal relationships, the importance of obstacles to coalition building, and the impact of messaging and public opinion. The course will be co-taught by an applied economist and a legislator centrally involved in the dynamics of policymaking, enabling students to gain insights about the realities of policy-making, and the role of leadership in complex policy arenas. Students will have opportunities to hone their written and oral presentation skills, and to apply the tools developed in new contexts.

**Cybersecurity for Future Lead**

Location: 1010 Dow Engineering Building (North Campus).

Co-taught with Dr. Carl Landwehr, Lead Research Scientist, Cyber Security Policy & Research Institute, George Washington University.

Future leaders will need to understand the science, technology, and human considerations behind cybersecurity well enough to make informed decisions when provided advice and options for action. Over the last decade cybersecurity issues have risen in prominence from a U.S. national security perspective, as well as from the perspective of individuals and organizations. There have been near daily reports regarding cyber operations launched by nation states, hacking groups, criminal organizations, and individuals against a variety of targets, using different tools and methods, and with different effects. Technology has accelerated the rate of cyber operations, enabling those intent on using cyber tools for a variety of malign purposes. The U.S. government has also attempted to reorganize and reorient towards this multi-dimensional threat, in addition to private industry, state and local governments, and academia?but there are still a number of gaps and vulnerabilities that deserve technical and policy attention.
and solutions.

This class will examine the broad landscape of cybersecurity from both a technical and policy perspective. It will introduce fundamental concepts of computing and cyber security, including information theory, computability, cryptography, networking fundamentals, how vulnerabilities arise, and how attacks work. In addition, it will explore foundational ideas including definitions, cyber norms, and ethics; identify existing U.S. laws, authorities and governmental constructs; and frame classic security concepts like deterrence, attribution, offense, defense, and retaliation. The course will also involve guest speakers, short writing assignments designed to capture technical or policy insights, policy papers designed to explore alternative views on different cybersecurity topics, and simulated National Security Council policy meetings where students assume different interagency roles and examine potential courses of action.

The objectives of the course include:

1. Enhancing knowledge on technical and policy aspects of cybersecurity.

2. Sharpening critical thinking, executive briefing, and team collaboration skills.

3. Understanding real-world implications of cyber operations.

4. Identifying possible solutions or opportunities to address existing cybersecurity challenges.

778 Proj Skills Wkshp 1.00
20257 P R SEM 001 W 1-220PM 1230 WEILL Gerber 45 Y
This is a professional skills workshop that will be required for students enrolled in the Applied Policy Seminar (APS, PP578) and open to other MPP/ Master's student. To be offered each semester, concurrent with the APS.

810 Policy Research Sem 1.00 ADVISORY
16610 PD SEM 001 F 1-220PM 3240 WEILL Leahy 25 Y

830 Immersion Research 1.00
21293 PDR SEM 001 F 1-220PM ARR Leahy 25 Y
This course is for third-year Ford School PhD students only. Registration by permission. PhD 3rd year course.
### Rackham Graduate School

#### Chemical Biology (CHEMBIO) Open Sections

**501 Chemical Biology I**
- **Course Code:** CHEMBIO 501
- **Credits:** 3.00
- **Days:** MWF
- **Time:** 8-9AM
- **Location:** 1250 USB
- **Instructor:** Koutmou, Palley, Koutmos
- **Contact:** ChemicalBiology@umich.edu for registration inquiries after July 1st. This course is for PhD students only.

**511 MS Chem Biol I**
- **Course Code:** CHEMBIO 511
- **Credits:** 5.00
- **Advisory (ADVISORY)**
- **Note:** This course is intended for Chemical Biology MS students only.

**CHEMBIO 511 lectures will meet together with CHEMBIO 501 in 1250USB on M, W, F 8-9AM.**

Registering for this lecture section will auto-enroll a discussion section (CHEMBIO 511 002) on F 11-12pm in 1567 North University Bldg.

#### Research Rotation

**599 Research Rotation**
- **Course Code:** CHEMBIO 599
- **Credits:** 1.00-6.00
- **Advisory (ADVISORY)**
- **Description:** This course is available to Chemical Biology PhD students only.

#### Critical Analysis I

**501 Critical Analysis I**
- **Course Code:** CHEMBIO 501
- **Credits:** 1.00-2.00
- **Advisory (ADVISORY)**
- **Description:** This course is available to Chemical Biology PhD students only.

#### Museum Studies (MSP) Open Sections

**601 Museum Proseminar I**
- **Course Code:** MUSEUM 601
- **Credits:** 3.00
- **Advisory (ADVISORY)**
- **Instructor:** Hedstrom

#### Rackham Graduate School (RACKHAM) Open Sections

**570 Interdisciplin Sem**
- **Course Code:** INTERDISC 570
- **Credits:** 2.00-3.00
- **Location:** 1807 EQ
- **Instructor:** Gould

**571 Interdisc Sem**
- **Course Code:** INTERDISC 571
- **Credits:** 1.00
- **Location:** G463 MH
- **Instructor:** Yergeau

**580 Disability Studies**
- **Course Code:** DISABILITY 580
- **Credits:** 1.00-3.00
- **Location:** ARR
- **Instructor:** Cowles

**Studying Disability Arts&Cult**
- **Course Code:** DISABILITY 580
- **Credits:** 1.00-3.00
- **Location:** G463 MH
- **Instructor:** Yergeau

---

U of M Open Classes Only Schedule of Classes Page 389 of 413 FA 2019 2260 04-01-2019 12:04 21251132
## Ross School of Business

FRESHMEN MAY NOT ELECT ANY BUSINESS COURSES. 500 LEVEL COURSES OR ABOVE REQUIRE GRADUATE STANDING.

### School of Business Administration

#### Accounting (ACC) Open Sections

<table>
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Students registering for this course in Fall B will be required to complete the Winter A section to receive full course credit.

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### Business Administration (BA) Open Sections

| 100  | Intro to Ross                | 0.50 |        | 47.00   |            | N  |
| 445  | Base of Pyramid              | 3.00 | ADVISORY |         | 27.00     | Y  |
| 445  | Base of Pyramid              | 3.00 | ADVISORY |         | 27.00     | Y  |
| 445  | Base of Pyramid              | 3.00 | ADVISORY |         | 27.00     | Y  |

### International Business (BA) Open Sections

| 445  | Base of Pyramid              | 3.00 | ADVISORY |         | 27.00     | Y  |
| 445  | Base of Pyramid              | 3.00 | ADVISORY |         | 27.00     | Y  |

### BA 445.001/.321 meets with BA 612.002

- Meets on the following Thursdays in addition to Monday evenings in Fall B: 11/14 and 11/21.
- Meets on the following Fridays (9 am - 12 pm) in addition to Wednesday evenings in Fall B: 11/15 and 11/22.

### BA 480 is reserved for BBA Seniors.

- If you are eligible and interested in enrolling, please send the following documents to Prof. Burcu Tasoluk (btasoluk@umich.edu): 1) Your current resume, 2) A Statement of Interest outlining your broad research area and explaining why you would like to fulfill your Capstone requirement by enrolling in this course and writing a senior thesis.

### BE 518 is cross-listed with HMP 630, PHRMACOL 620, BIOMEDE 523, & ENGR 523.

- This class meets on four Thursday evenings from 5 pm - 7:30 pm in addition to Monday/Wednesday mornings. The Thursday meeting dates for 2018 are 9/6, 9/20, 9/27 and 10/11.
### Business Communication (BCOM) Open Sections

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### Business Economics And Public Policy (BE) Open Sections

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This course is reserved for students in the Master of Management program.

### Economic Games

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This course is reserved for students in the Master of Management program.
Section 001 meets with Section 451. Section 451 is reserved exclusively for Evening MBA students.

**IB-_BE Seminar**
- Code: 886
- CR: 1.50
- Instructor: Haydel
- Days: ARR
- Time: ARR
- Location: B3560 BUS

This class will be meeting in BLAU1584.

**Topics in IB-_BE I**
- Code: 887
- CR: 1.50
- Instructor: Haydel
- Days: W
- Time: 4-7PM
- Location: B3560 BUS

**Topics in IB-_BE II**
- Code: 888
- CR: 1.50
- Instructor: Adhvaryu
- Days: W
- Time: 4-7PM
- Location: B3560 BUS

Section 001 meets with BE 875.

**Business Law (BL) Open Sections**
- Code: 305
- CR: 3.00
- Instructor: Muir
- Days: MW
- Time: 10-1130AM
- Location: B3570 BUS

2019: This course will meet 9/4 - 9/23. Seats in this section are reserved exclusively for Minor in Business students. If you are not a Minor in Business student, please enroll in (or add yourself to the waitlist of) the section this class is combined with.

**Intelleg Prop Law**
- Code: 509
- CR: 2.25
- Instructor: Oswald
- Days: TTH
- Time: 1020-1240PM
- Location: R2240 BUS

Section 001 meets with Section 451. This section is reserved exclusively for Evening MBA students. No JDs.

**Negot&Disp Resolutn**
- Code: 510
- CR: 2.25
- Instructor: Siedel
- Days: F
- Time: 8-5PM
- Location: R1240 BUS

2019: This course will meet 9/6 - 9/20. Seats in this section are reserved exclusively for Minor in Business students. If you are not a Minor in Business student, please enroll in (or add yourself to the waitlist of) the section this class is combined with.

**Foundations Bus Law**
- Code: 512
- CR: 1.50
- Instructor: Rogala
- Days: MW
- Time: 1240-210PM
- Location: B0570 BUS

Section 001 meets with Section 001. This section is reserved exclusively for Evening MBA students. No JDs.

**Entrepreneurial Studies (ES) Open Sections**
- Code: 329
- CR: 3.00
- Instructor: Brophy
- Days: W
- Time: 7-10PM
- Location: R1230 BUS

ES 329 is cross-listed with FIN 329 and meets with FIN/ES 629.

**Finan Resrch Comercial**
- Code: 395
- CR: 3.00
- Instructor: Brophy
- Days: M
- Time: 7-10PM
- Location: R1230 BUS

Seats in this section are reserved exclusively for Minor in Business students. If you are not a Minor in Business student, please enroll in (or add yourself to the waitlist of) the section this class is combined with.

**Entrepreneurial Mgt**
- Code: 395
- CR: 3.00
- Instructor: Muir
- Days: MW
- Time: 10-1130AM
- Location: B1580 BUS

Seats in this section are reserved exclusively for Minor in Business students. If you are not a Minor in Business student, please enroll in (or add yourself to the waitlist of) the section this class is combined with.

**Family Business**
- Code: 427
- CR: 1.50
- Instructor: Middleton
- Days: M
- Time: 630-930PM
- Location: R1230 BUS

ES 427 meets with ES 627.

**Healthy Business**
- Code: 440
- CR: 1.50
- Instructor: Thornhill
- Days: ARR
- Time: 230-4PM
- Location: B3560 BUS

**Entrpsrh Vica Acqsts**
- Code: 516
- CR: 1.50
- Instructor: Hiemstra
- Days: M
- Time: 7-10PM
- Location: R0240 BUS

2019: ES 444 meets with ES 644 on Tuesdays in Fall B from 6:30-9 pm in BLAU1570.
ES 516.001 meets with ES 516.451.
ES 516.451 meets with ES 516.001.

16465 P R REC 451 M 7-10PM R0240 BUS Hiemstra   27 Y

Section 001 meets with Section 451. This section is reserved exclusively for Evening MBA students.

615 New Venture Creation
P R REC 451 MW 1240-210PM B0560 BUS Price   13 Y

605 New Prod Innov
P R REC 002 TTH 210-430PM B3570 BUS Sriman   7 Y

Section 001 meets with Section 451. This section is reserved exclusively for Evening MBA students.

ES 623.001 is cross-listed with FIN 623 and meets with ES/FIN 623.451.

ES 623.451 is cross-listed with FIN 623 and meets with ES/FIN 623.001.

Section 001 meets with Section 451.

629 Finan Resrch Comcial
P R REC 001 M 7-10PM B2560 BUS Johnson   19 Y

ÉS 629.451 is cross-listed with FIN 629 and meets with FIN/ES 329.

FIN 300 is reserved for BBA juniors and seniors only.

FIN 300 is reserved for BBA juniors and seniors only.

FIN 300 is reserved for BBA juniors and seniors only.

FIN 300 is reserved for BBA juniors and seniors only.

FIN 302 is reserved for non-Business students of sophomore standing and above.

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STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

FIN 317 is reserved for MBA Juniors and Seniors with some seats reserved exclusively for Business Minor students.

FIN 317 is reserved for MBA Juniors and Seniors with some seats reserved exclusively for Business Minor students.

FIN 371 is reserved for MBA Juniors and Seniors with some seats reserved exclusively for Business Minor students.
Seats in this section are reserved exclusively for Minor in Business students. If you are not a Minor in Business student, please enroll in (or add yourself to the waitlist of) the section this class is combined with.

329 Finan Resrch Comcial 3.00
17222 P R REC 001 W 7-10PM ARR Brophy 45 Y
FIN 329 is cross-listed with ES 329 and meets with FIN/ES 629. This class meets in BLAU 1580.
24253 P R REC 311 W 7-10PM ARR Brophy 5 Y
Section 311 meets with Section 001. Seats in this section are reserved exclusively for Minor in Business students. If you are not a Minor in Business student, please enroll in (or add yourself to the waitlist of) the section 001.

412 Intl Fin Mngmnt I 1.50 ADVISORY
21006 P R REC 001 MW 230-4PM B0560 BUS Pasquariello 60 Y
This class runs parallel with FIN 612, and as such, will meet on October 15th.
24254 P R REC 331 MW 230-4PM B0560 BUS Pasquariello 60 Y
Seats in this section are reserved exclusively for Master of Management students.

414 Intl Fin Mngmnt II 1.50 ADVISORY
21007 P R REC 001 MW 230-4PM R0240 BUS Pasquariello 68 Y
24255 P R REC 331 MW 230-4PM R0240 BUS Pasquariello 68 Y
Seats in this section are reserved exclusively for Master of Management students.

517 Real Est Ess 3.00
10105 P R REC 001 M 7-10PM R0230 BUS Allen 55 Y
FIN 608.001 meets with FIN 608.451.
25491 P R REC 010 MW 7-10PM R0230 BUS Allen 68 Y
This section is reserved for students in the Quantitative Finance and Risk Management program.

612 Intl Fin Mngmnt I 1.50 ADVISORY
16454 P R REC 001 MW 1240-210PM R0230 BUS Pasquariello 56 Y
17436 P R REC 451 MW 1240-210PM R0230 BUS Pasquariello 78 Y
Seats in this section are reserved exclusively for Evening MBA students.

615 Valuation 2.25 ADVISORY, ENFORCED
17020 P R REC 001 TTH 9-10AM R2240 BUS Kaul 43 Y
FIN 623.001 is cross-listed with ES 623 and meets with ES/FIN 623.451.
623 Venture Capital Fin 2.25 ADVISORY
16458 P R REC 001 TTH 7-920AM R0220 BUS Brophy 31 Y
FIN 623.001 is cross-listed with ES 623 and meets with ES/FIN 623.451.
16472 P R REC 451 TTH 7-920AM R0220 BUS Brophy 31 Y
FIN 623.451 is cross-listed with ES 623 and meets with FIN/FIN 623.001.

624 Private Equity Fin 2.25 ADVISORY
16478 P R REC 001 TTH 630-850PM R0220 BUS Brophy 36 Y
FIN 624.001 is cross-listed with ES 624 and meets with ES/FIN 624.451.
20165 P R REC 451 TTH 630-850PM R0220 BUS Brophy 36 Y
FIN 624.451 is cross-listed with ES 624 and meets with FIN/FIN 624.001.

629 Finan Resrch Comcial 3.00 ADVISORY
17220 P R REC 001 W 7-10PM B1580 BUS Brophy 40 Y
FIN 629.001 is cross-listed with ES 629 and meets with FIN/ES 329. This class meets in BLAU 1580 from 7-10pm in Fall A and from 6:30-9:30pm in Fall B.
17562 P R REC 451 W 7-10PM ARR Brophy 10 Y
FIN 629 is cross-listed with ES 629 and meets with FIN/ES 329. This class meets in BLAU 1580 from 7-10pm in Fall A and from 6:30-9:30pm in Fall B.

645 Advanced Valuation 2.25 ENFORCED
32309 P R REC 001 MW 8-1020AM B2560 BUS Narayanan 59 Y
645 Advanced Valuation 2.25 ENFORCED
# Marketing (MKT) Open Sections

### 300 Marketing Mgmt I
- **Course Title:** Fundmntls Sales Mgt
  - **CR:** 3.00
  - **LAB FEE:** 130.00
  - **OPEN SEATS:** 79
  - **WL:** Y
  - **Lab Fee:** Y
  - **Open Seats:** Y
  - **Waitlist:** Y

### 310 Retail Market Mgt
- **Course Title:** Retail Market Mgt
  - **CR:** 3.00
  - **LAB FEE:** 34.00
  - **OPEN SEATS:** 79
  - **WL:** Y
  - **Lab Fee:** Y
  - **Open Seats:** Y
  - **Waitlist:** Y

### 407 Des Persuasive Comm
- **Course Title:** Des Persuasive Comm
  - **CR:** 3.00
  - **LAB FEE:** 45.00
  - **OPEN SEATS:** 78
  - **WL:** Y
  - **Lab Fee:** Y
  - **Open Seats:** Y
  - **Waitlist:** Y

### 411 Advertis Mangement
- **Course Title:** Advertis Mangement
  - **CR:** 3.00
  - **LAB FEE:** 42.00
  - **OPEN SEATS:** 42
  - **WL:** Y
  - **Lab Fee:** Y
  - **Open Seats:** Y
  - **Waitlist:** Y

### 418 Marketing Analytics
- **Course Title:** Marketing Analytics
  - **CR:** 3.00
  - **LAB FEE:** 81.00
  - **OPEN SEATS:** 68
  - **WL:** Y
  - **Lab Fee:** Y
  - **Open Seats:** Y
  - **Waitlist:** Y

### 601 Strategic Mkt Plan
- **Course Title:** Strategic Mkt Plan
  - **CR:** 2.25
  - **LAB FEE:** 22.50
  - **OPEN SEATS:** 78
  - **WL:** Y
  - **Lab Fee:** Y
  - **Open Seats:** Y
  - **Waitlist:** Y

### 611 Advertis Mangement
- **Course Title:** Advertis Mangement
  - **CR:** 2.25
  - **LAB FEE:** 22.50
  - **OPEN SEATS:** 78
  - **WL:** Y
  - **Lab Fee:** Y
  - **Open Seats:** Y
  - **Waitlist:** Y
Management and Organizations (MO) Open Sections

302 Pos Lead People&Org

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<td>Sandelands</td>
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<td>26853</td>
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<td>B1580 BUS</td>
<td>Sandelands</td>
<td>68</td>
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<tr>
<td>27044</td>
<td>8:30-10AM</td>
<td>B1580 BUS</td>
<td>Sandelands</td>
<td>57</td>
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<tr>
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324 Mng Prof Relations

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414 Managing Change

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501 Human Behav&Orgzn

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<tbody>
<tr>
<td>17031</td>
<td>7-10PM</td>
<td>R0220 BUS</td>
<td>Baker</td>
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512 Bargain&Infl Skills

<table>
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557 Pos Leadership & Org

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<tbody>
<tr>
<td>23233</td>
<td>1020-1240PM</td>
<td>R2210 BUS</td>
<td>Caproni</td>
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</table>

567 Human Capital Mgmt

<table>
<thead>
<tr>
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<th>Time</th>
<th>Location</th>
<th>Instructor</th>
<th>Open Seats</th>
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600 Science of Success

<table>
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<tr>
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<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>32244</td>
<td>8-1020AM</td>
<td>B0570 BUS</td>
<td>Caproni</td>
<td>22</td>
</tr>
<tr>
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<td>8-1020AM</td>
<td>B0570 BUS</td>
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603 Navigating Change

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<tr>
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<tbody>
<tr>
<td>32362</td>
<td>4-7PM</td>
<td>B0560 BUS</td>
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617 Creat&Dev Perf Team

<table>
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<tr>
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<tr>
<td>19623</td>
<td>830-6PM</td>
<td>R0320 BUS</td>
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</table>

Section 003 meets with Section 451. Given the experiential nature of pedagogy, enrollment in each section will be limited and attendance is mandatory. Registered students must be present from the beginning of the first class session to retain their registration in the class. This course is complementary to BCOM 510 and both can be taken in either order.

557 Pos Leadership & Org

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This course is reserved for students in the Master of Management program.

567 Human Capital Mgmt

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This class will take place in the "A" (first 7 week) half-term. MO 567 Section 001 is combined with Section 451.

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Section 003 meets with Section 451. This section is reserved exclusively for Minor in Business and Master of Management students.

501 Human Behav&Orgzn

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This course is complementary to BCOM 510 and both can be taken in either order.

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This course is reserved for students in the Master of Management program.

567 Human Capital Mgmt

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617 Creat&Dev Perf Team

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Section 003 meets with Section 451. This section is reserved exclusively for Evening MBA students. All other students should enroll in (or add to the waitlist) of Section 001.

608 Science of Success

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603 Navigating Change

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617 Creat&Dev Perf Team

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</table>

Section 003 meets with Section 451. This section is reserved exclusively for Evening MBA students. All other students should enroll in (or add to the waitlist) of Section 001.
MO 617.001 meets with MO 617.451.

2018 Dates: 11/2, 11/9, 8:30am-6pm; 12/7, 8:30am-1pm

19724 P R REC 451 F 830-6PM R0320 BUS Caproni 132.00

2018 Dates: 11/2, 11/9, 8:30am-6pm; 12/7, 8:30am-1pm

640 Healthy Business

32338 P R REC 001 TTH 1240-210PM B3560 BUS Thornhill 33 Y

32449 P R REC 451 TTH 1240-210PM ARR Thornhill 5 Y

899 Doctoral Seminar

26893 P R SEM 002 M 10-1PM R4020 BUS Mayer 10 Y

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U of M Open Classes Only Schedule of Classes
Section 001 meets with Section 451. This section is reserved exclusively for Evening MBA students.

2018 Meeting Dates: September 7, 14, 21, 22, 28, and 29, and October 5 and 12.

STRATEGY 680.002 meets with STRATEGY 680.451. Section 451 is reserved exclusively for Evening MBA students.

Section 002 meets with Section 452. This section is reserved exclusively for Evening MBA students.

2018 Meeting Dates: September 7, 14, 21, 22, 28, and 29, and October 5 and 12.

Section 001 meets with Section 451. This section is reserved exclusively for Evening MBA students.

2018 Meeting Dates: September 7, 14, 21, 22, 28, and 29, and October 5 and 12.

Section 002 meets with Section 452. This section is reserved exclusively for Evening MBA students.

2018 Meeting Dates: September 7, 14, 21, 22, 28, and 29, and October 5 and 12.

Section 001 meets with Section 451. This section is reserved exclusively for Evening MBA students.

2018 Meeting Dates: September 7, 14, 21, 22, 28, and 29, and October 5 and 12.

Section 002 meets with Section 452. This section is reserved exclusively for Evening MBA students.

2018 Meeting Dates: September 7, 14, 21, 22, 28, and 29, and October 5 and 12.
Weekend Master of Business Administration (W MBA) Open Sections

U of M Open Classes Only Schedule of Classes Page 400 of 413 FA 2019 2260 04-01-2019 12:04 21251132
## Social Work

### School Of Social Work

#### Social Work (SW) Open Sections

<table>
<thead>
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<th>CAT#</th>
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#### Real World Perspc Poverty Solut

Structured as a noon hour lecture series, Real World Perspectives on Poverty Solutions features different guest speakers each week to introduce the key issues regarding the causes and consequences of poverty. The course explores interdisciplinary, real-world poverty solutions from a wide variety of perspectives. By bringing national and global leaders, we aim to ignite new conversations and deepen existing commitments regarding poverty prevention and alleviation strategies and programs.

| 504  | Diver & Soc Jus                             | 3.00|        |         |           |     |
| 24181| P  R SEM 001 M                            | 6-9PM | B684 SSWB |         | 20 | N  |
| 24316| P  R SEM 002 M                            | 6-9PM | 1638 SSWB |         | 20 | N  |
| 24134| P  R SEM 003 T                            | 9-12PM | 3816 SSWB |        | 20 | N  |
| 24172| P  R SEM 004 T                            | 9-12PM | 3629 SSWB |        | 20 | N  |
| 23444| P  R SEM 005 T                            | 9-12PM | 2752 SSWB |        | 20 | N  |
| 23445| P  R SEM 006 T                            | 9-12PM | B760 SSWB |        | 20 | N  |
| 25812| P  R SEM 007 T                            | 9-12PM | G010 TMC |        | 19 | N  |
| 24176| P  R SEM 008 T                            | 2-5PM | 2752 SSWB |        | 19 | N  |
| 24177| P  R SEM 009 T                            | 2-5PM | B798 SSWB |        | 20 | N  |
| 24174| P  R SEM 010 T                            | 2-5PM | 2629 SSWB |        | 20 | N  |
| 24175| P  R SEM 011 T                            | 2-5PM | B684 SSWB |        | 20 | N  |
| 24178| P  R SEM 012 T                            | 6-9PM | B770 SSWB |        | 20 | N  |
| 24182| P  R SEM 013 T                            | 6-9PM | 2752 SSWB |        | 20 | N  |
| 24179| P  R SEM 014 T                            | 6-9PM | B780 SSWB |        | 20 | N  |
| 24173| P  R SEM 015 T                            | 9-12PM | 2752 SSWB |        | 20 | N  |
| 24180| P  R SEM 016 W                            | 5-8PM | 3752 SSWB |        | 20 | N  |
| 29168| P  R SEM 017 W                            | 5-8PM | B798 SSWB |        | 20 | N  |

#### 510 SEED Mini-course                        | 1.00| ADVISORY|         |           |     |
| 25677| PD  SEM 001 ARR                           | ARR |         |         | 24 | N  |

Only incoming MSW students enroll in this mini course.

| 25687| PD  SEM 002 ARR                           | ARR |         |         | 26 | N  |
| 25688| PD  SEM 003 ARR                           | ARR |         |         | 17 | N  |
| 25689| PD  SEM 004 ARR                           | ARR |         |         | 39 | N  |
| 25690| PD  SEM 005 ARR                           | ARR |         |         | 23 | N  |

Only incoming MSW students enroll in this mini course.

| 25692| PD  SEM 007 ARR                           | ARR |         |         | 25 | N  |
| 25693| PD  SEM 008 ARR                           | ARR |         |         | 18 | N  |
| 25694| PD  SEM 009 ARR                           | ARR |         |         | 27 | N  |

Only incoming MSW students enroll in this mini course.

| 25695| PD  SEM 010 ARR                           | ARR |         |         | 54 | N  |
| 25696| PD  SEM 011 ARR                           | ARR |         |         | 22 | N  |

Only incoming MSW students enroll in this mini course.

| 25697| PD  SEM 012 ARR                           | ARR |         |         | 30 | N  |
| 27242| PD  SEM 013 ARR                           | ARR |         |         | 15 | N  |

Only incoming MSW students enroll in this mini course.

| 27243| PD  SEM 014 ARR                           | ARR |         |         | 23 | N  |

Only incoming MSW students enroll in this mini course.

| 27244| PD  SEM 015 ARR                           | ARR |         |         | 27 | N  |

Only incoming MSW students enroll in this mini course.
Only students beginning the MSW program in the upcoming Fall term should enroll in this course. Continuing students should not enroll and may be required to drop the class if enrolled.

Incoming Students - By enrolling in this section you are also committed to enroll in section 001 of SW 521. Detroit Clinical Scholars and New Leaders in African Centered Social Work Scholars with an Interpersonal Practice concentration should enroll in this section (macro concentrators take SW 512). Any other students should select a different section or will need to submit a Course Enrollment Petition via the School of Social Work web site.

Only students beginning the MSW program in the upcoming Fall term should enroll in this course. Continuing students should not enroll and may be required to drop the class if enrolled.

Incoming Students - By enrolling in this section you are also committed to enroll in section 002 of SW 521.

Only students beginning the MSW program in the upcoming Fall term should enroll in this course. Continuing students should not enroll and may be required to drop the class if enrolled.

Incoming Students - By enrolling in this section you are also committed to enroll in section 003 of SW 521.

Only students beginning the MSW program in the upcoming Fall term should enroll in this course. Continuing students should not enroll and may be required to drop the class if enrolled.

Incoming Students - By enrolling in this section you are also committed to enroll in section 004 of SW 521.

Only students beginning the MSW program in the upcoming Fall term should enroll in this course. Continuing students should not enroll and may be required to drop the class if enrolled.

Incoming Students - By enrolling in this section you are also committed to enroll in section 005 of SW 521.

Only students beginning the MSW program in the upcoming Fall term should enroll in this course. Continuing students should not enroll and may be required to drop the class if enrolled.

Incoming Students - By enrolling in this section you are also committed to enroll in section 006 of SW 521.

Only students beginning the MSW program in the upcoming Fall term should enroll in this course. Continuing students should not enroll and may be required to drop the class if enrolled.

Incoming Students - By enrolling in this section you are also committed to enroll in section 007 of SW 521.

Only students beginning the MSW program in the upcoming Fall term should enroll in this course. Continuing students should not enroll and may be required to drop the class if enrolled.

Incoming Students - By enrolling in this section you are also committed to enroll in section 008 of SW 521.

Only students beginning the MSW program in the upcoming Fall term should enroll in this course. Continuing students should not enroll and may be required to drop the class if enrolled.

Incoming Students - By enrolling in this section you are also committed to enroll in section 009 of SW 521.

Only students beginning the MSW program in the upcoming Fall term should enroll in this course. Continuing students should not enroll and may be required to drop the class if enrolled.

Incoming Students - By enrolling in this section you are also committed to enroll in section 010 of SW 521.

Only students beginning the MSW program in the upcoming Fall term should enroll in this course. Continuing students should not enroll and may be required to drop the class if enrolled.

In the U of M Open Classes Only Schedule of Classes, students who are not admitted prior to the Fall 2019 term should not enroll and may be required to drop the class if enrolled.

In the U of M Open Classes Only Schedule of Classes, students who are not admitted prior to the Fall 2019 term should not enroll and may be required to drop the class if enrolled.

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In the U of M Open Classes Only Schedule of Classes, students who are not admitted prior to the Fall 2019 term should not enroll and may be required to drop the class if enrolled.
should not enroll and may be required to drop the class if enrolled.

**CAT#** | **Course Title** | **CR** | **PREREQ** | **LAB FEE**
---|---|---|---|---
14524 | P R LEC 003 M | 1.00 | | 
14525 | P R LEC 004 M | 1.00 | | 
14526 | P R LEC 005 M | 1.00 | | 
14527 | P R LEC 006 M | 1.00 | | 
531 | Fndatn Field Sem | 1.00 | ENFORCED | 
527 | Ind Std Peace Corp | 1.00-6.00 | ADVISORY | 
530 | Soc Welf Pol Serv | 3.00 | ENFORCED | 
33012 | PD | ARR | ARR | Herrenkohl

**For possible permission to register the following form must be submitted:**

https://ssw.umich.edu/r/sw-540-course-petition
This is a hybrid course which means that you will have a combination of web-based class sessions and face to face class sessions. This course will meet in person, in class on October 19 and all pre-learning work must be complete prior to this required session.

Outside of Class Pre-learning Work: 9/9/19 -10/11/19
All Day Workshop: 10/19/19
Outside of Class Post-work: 10/21-10/26/19

541 Trauma Practice
32290 P R SEM 001 A RR A RR Saunders 74 N

Class meets:
1. Outside of Class Pre-learning Work: 10/21/19-11/22/19
2. All Day Workshop: 11/23/19
3. Outside of Class Post-work: 11/25/19-12/6/19

560 CO Mgt Pol Eval Prac
14678 P R LEC 001 M 9-12PM 1804 SSWB Park 15 N
Incoming Students - By enrolling in this section you are also committed to enroll in section 001 of SW 512.
Continuing students that need to enroll in SW 560 and not in SW 512 need to choose a section other than 001-004.
14679 P R LEC 002 M 9-12PM 3752 SSWB Blackburn 14 N
Continuing Students - By enrolling in this section you are also committed to enroll in section 002 of SW 512.
Continuing students that need to enroll in SW 560 and not in SW 512 need to choose a section other than 001-004.
14680 P R LEC 003 M 9-12PM 3629 SSWB 15 N
Incoming Students - By enrolling in this section you are also committed to enroll in section 003 of SW 512.
Continuing students that need to enroll in SW 560 and not in SW 512 need to choose a section other than 001-004.

This section will be taught as hybrid course which means that you will have a combination of web-based class sessions and face to face class sessions. This section will meet in person, in class on the following dates: Sept 9, 23, Oct 28, Nov 11, Dec 9.

572 Disability Studies
21383 PI SEM 001 M 4-7PM G463 MH Yergeau 20 Y
Studying Disability Arts&Cult

573 Service - Hlth Prof
29008 PD REC 001 W 3-5PM 1552 NUB Farris 45 N
The course description can be found at: https://pharmacy.umich.edu/service. Note that permission is required to register for this course. Kineslgy 581, MoveSci 481, Pharmacy 503, PubHlth 503, and Social Work 573 are cross listed courses. If you would like to register for Kineslgy 581, MoveSci 481, SW 573 or PubHlth 503 please send a request, including your student ID#, to ServiceForHealth@umich.edu.

617 Death, Loss & Grief
13471 P R REC 001 T 3-6PM 3816 SSWB Mattison 17 N
This particular section of SW617 will have an Interprofessional Education (IPE) focus with students from Pharmacy and Genetic Counseling, along with Social Work. This section will provide students with the opportunity to explore the course context by learning with, from and about students from another discipline. Please consider this when choosing this section of SW617.

618 Sub Abu Rac Eth Adol
22399 PD LEC 001 F 2-5PM B780 SSWB Cordova Jr 20 N
Priority is given to Detroit Clinical Scholars (required) and to HRSA-sud scholars who choose to take this course. Others will need to submit a Course Enrollment Petition. Scholars will receive an electronic permission to enroll in this course prior to registration.

622 Orien Sem Com Schol
22402 PDR SEM 001 F 2-5PM 3752 SSWB Gant 25 N
This is the appropriate course for incoming Community Scholars (both CBI & NCS).

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This course is for JCLP students only who will receive an electronic permission prior to registration to allow for enrollment in the course.
This course will have an Interprofessional Education (IPE) focus. Graduate students from pharmacy, dentistry, medicine, nursing, public health, kinesiology, and social work are eligible to enroll in this course.

This class will be taught as a hybrid course which means that you will have a combination of web-based class sessions and face to face class sessions. This class will meet the following dates:
- Sept 9
- Sept 23
- Oct 7
- Oct 21
- Nov 11
- Nov 15
- Dec 9
- Dec 6

This course is for Detroit Clinical and HRSA Scholars only. Scholars will receive an electronic permission to enroll in this course prior to registration. This class will meet in Wayne county on the following dates: TBA

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.
This class is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Non-law graduate/professional students may apply for the course using the PSI application system (https://problemsolving.law.umich.edu/) March 18 - April 1, 2019. After the initial application period, students seeking to apply can contact problemsolving@umich.edu.

This class does not meet every week.

Global Scholars and Certificate students, as well as Masters Int’l (Peace Corps) students will be permitted to enroll in this course by way of an electronic permission which will be issued prior to registration. If you do not fall into this category but have completed a global field placement or a global independent studies contact the Office of Global Activities to arrange for permission to gain entry to the class. Any questions as to whether this is an appropriate course for you should be directed to the Office of Global Activities.

Substance Use and Neuroscience

Priority is given to HRSA-sud Scholars. Others will need to submit a Course Enrollment Petition. Scholars will receive an electronic permission to enroll in this course prior to registration.

Motivaction Intervening Soc Wrkrs

Adven/Experiment-Based Therapy

Psychopharm For Social Workers

Psychopharm For Social Workers

Counseling & Advocacy w/LGBTQ

Working w/Couples in Therapy

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Students must be at the doctoral level to enroll in this class. Those with less than doctoral standing may seek permission of the course instructor. Students with less than doctoral standing may be dropped if appropriate approval was not sought.

This class will be meeting over two weekends that will include a Thursday and two Fridays. Here are the date details:
October 11, 12, 13 9am-4pm, October 17 2-5pm, October 18, 19, 20 9am-4pm.
Stamps School of Art & Design
School Of Art And Design

Art and Design Study Abroad (ADABRD) Open Sections

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