

**MICHIGAN STATE UNIVERSITY**

**Report of  
THE UNIVERSITY COMMITTEE ON CURRICULUM  
to the Faculty Senate  
October 12, 2021**

*The effective date for new programs subject to Statewide Academic Program review is implemented in accordance with the Statewide Academic Program Review calendar.*

MICHIGAN STATE UNIVERSITY  
University Committee on Curriculum

October 12, 2021

TO: Faculty Senate

This report is prepared and distributed for the following purposes:

1. To report new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses.
2. To notify the initiating colleges, schools, and departments of approval by the University Committee on Curriculum of their requests for new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses. Any items not approved by the Faculty Senate will be reported to the appropriate college and department or school.
3. To provide information to members of the faculty in each department about academic programs and courses in all colleges, departments, and schools of the University.

Reports of the University Committee on Curriculum to the Faculty Senate are organized as follows:

PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES:

Organized by colleges in alphabetical order. For a given college, academic units are organized in alphabetical order. For a given academic unit, degrees, majors, and specializations are organized in alphabetical order.

PART II - NEW COURSES:<sup>1</sup>

Organized by academic units in alphabetical order; All-University courses appear last. For a given academic unit, courses are organized according to the names associated with course subject codes, in alphabetical order. Courses with the same subject code are in numerical order.

PART III - COURSE CHANGES:<sup>1</sup>

Organized by academic units in alphabetical order; All-University courses appear last. For a given academic unit, courses are organized according to the names associated with course subject codes, in alphabetical order. Courses with the same subject code are in numerical order.

Not all of the above categories, and not all of the colleges and academic units, will necessarily appear in any given Senate Report.

<sup>1</sup>One or more of the abbreviations that follow may be included in a course entry:

- P: = Prerequisite monitored in SIS
- C: = Corequisite
- R: = Restriction
- RB: = Recommended background
- SA: = Semester Alias

MICHIGAN STATE UNIVERSITY

October 12, 2021

TO: Faculty Senate  
FROM: University Committee on Curriculum  
SUBJECT: New Academic Programs and Program Changes:  
New Courses and Course Changes

**PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES**

**COLLEGE OF AGRICULTURE AND NATURAL RESOURCES**

1. Change the requirements for the **Master of Science** degree in **Food Science** in the Department of Food Science and Human Nutrition. The University Committee on Graduate Studies approved this request at its September 20, 2021 meeting.
  - a. Under the heading **Requirements for the Master of Science Degree in Food Science** make the following changes:
    - (1) Change the total credits required for the degree from '32' to '30'.
    - (2) Replace items 1. through 3. with the following:

Students must:

      1. Complete 16 credits at the 800-level or above. Two courses (6 credits) must be FSC courses excluding FSC 890, 892, 898, and 899.
      2. Complete a minimum of 7 credits (Plan A) or 12 credits (Plan B) of focused course work in consultation with the major advisor and guidance committee.
      3. Complete 1 credit of FSC 892 Food Science Seminar, in which students will present one seminar. Students may re-enroll in FSC 892 for a maximum of 2 credits towards the master's degree.
    - (3) Under **Additional Requirements for Plan A** replace item 1. with the following:
      1. Complete 6 credits in FSC 899 Master's Thesis Research. Students may not earn more than 10 credits in FSC 899.
    - (4) Under **Additional Requirements for Plan B** replace item 1. with the following:
      1. Complete 1 credit of FSC 898 Master's Research. Students may not earn more than 5 credits in FSC 898.

Effective Spring 2022.

2. Change the requirements for the **Minor in Agronomy** in the Department of Plant, Soil and Microbial Sciences.
  - a. Under the heading **Minor in Agronomy** make the following changes:
    - (1) Change the total credits required for the minor to 'a minimum of 16 credits'.
    - (2) Delete items 2., 3., and 4. and replace with the following:
      2. Complete 6 credits from following courses:

CSS	135	Crop Scouting and Investigation	3
CSS	151	Seed and Grain Quality	2
CSS	201	Forage Crops	3
CSS	212	Advanced Crop Production	2
CSS	222	New Horizons in Biotechnology	2

CSS	251	Organic Farming Principles and Practices	3
CSS	326	Weed Science	2
And			
CSS	226L	Weed Science Laboratory	1
CSS	330	Soil Chemistry	2
CSS	340	Applied Soil Physics	2
CSS	350	Introduction to Plant Genetics	3
CSS	360	Soil Biology	3
CSS	420	Cover Crops in Agroecosystems	3
CSS	441	Plant Breeding and Biotechnology	3
CSS	442	Agroecology Ecology	3
CSS	467	Bioenergy Feedstock Production	3
CSS	470	Soil Resources	3

Effective Spring 2022.

3. Change the name of the **Graduate Specialization in Ecological Food and Farming Systems** to **Sustainable Agriculture and Food Systems** in the Department of Plant, Soil and Microbial Sciences. The University Committee on Graduate Studies (UCGS) approved this request at its September 20, 2021 meeting.

Students admitted to the major prior to Spring 2022 will be awarded a Graduate Specialization in Ecological Food and Farming Systems.

Students admitted to the major Spring 2022 and forward will be awarded a Graduate Specialization in Sustainable Agriculture and Food Systems.

Effective Spring 2022.

4. Change the requirements for the **Graduate Specialization in Sustainable Agriculture and Food Systems** in the Department of Plant, Soil and Microbial Sciences. The University Committee on Graduate Studies (UCGS) approved this request at its September 20, 2021 meeting.

- a. Under the heading **Graduate Specialization in Sustainable Agriculture and Food Systems** replace the entire entry with the following:

The student must complete 9 credits from the following:

1. Both of the following courses (3 credits):
 

CSS	824	Sustainable Agriculture and Food Systems Field Practicum	2
CSS	826	Sustainable Agriculture and Food Systems Capstone Seminar	1
2. One of the following courses (3 credits):
 

CSS	424	Sustainable Agriculture and Food Systems: Integration and Synthesis	3
CSS	431	International Agricultural Systems	3
CSS	442	Agricultural Ecology	3
CSS	893	Special Topics	3
ENT	479	Organic Pest Management (W)	3
ENT	848	Biological Control of Insects and Weeds	3
HRT	486	Biotechnology in Agriculture: Applications and Ethical Issues	3
3. One of the following courses (3 credits):
 

AFRE	400	Public Policy Issues in the Agri-Food System	3
AFRE	861	Agriculture in Economic Development	3
CSUS	463	Food Fight: Politics of Food	3
CSUS	811	Community, Food and Agriculture: A Survey	3
CSUS	838	Participatory Modes of Inquiry	3
CSUS	848	Community Based Natural Resource Management in International Development	3
CSUS	855	Political Ecology of Food	3

CSUS	858	Gender Justice and Environmental Change: Issues and Concepts	3
GEO	410	Geography of Food and Agriculture	3
HNF	406	Global Foods and Culture	3

Effective Spring 2022.

5. Change the requirements for the **Minor in Turfgrass Management** in the Department of Plant, Soil and Microbial Sciences.
  - a. Under the heading **Requirements for the Minor in Turfgrass Management** make the following changes:
    - (1) In item 2., under **Management of Turfgrass Pests** delete the following course:
 

CSS	288	Principles of Weed Management	3
ENT	364	Turfgrass Entomology	3

Add the following courses:

CSS	326	Weed Science	2
and			
CSS	226L	Weed Science Laboratory	1
ENT	264	Turfgrass Entomology	3

Effective Spring 2022.

### COLLEGE OF ARTS AND LETTERS

1. Change the requirements for the **Disciplinary Teaching Minor in Arabic** that is available for secondary teacher certification in the Department of Linguistics, Languages, and Cultures. The Teacher Education Council (TEC) approved this request at its September 13, 2021 meeting.
  - a. Under the heading **Arabic** make the following changes:
    - (1) Replace item 3. with the following:
 

All of the following courses:

LLT	307	Methods of Second and Foreign Language Teaching	3
TE	409	Crafting Teaching Practice in the Secondary Teaching Minor	1
TE	503	Internship in Teaching Diverse Learners in Additional Endorsement Areas	1
    - (2) Change the total credits from '20' to '22'.

Effective Spring 2022.
2. Change the requirements for the **Disciplinary Teaching Minor in Chinese** that is available for secondary teacher certification in the Department of Linguistics, Languages, and Cultures. The Teacher Education Council (TEC) approved this request at its September 13, 2021 meeting.
  - a. Under the heading **Chinese** make the following changes:
    - (1) In item 1. add the following courses:
 

TE	409	Crafting Teaching Practice in the Secondary Teaching Minor	1
TE	503	Internship in Teaching Diverse Learners in Additional Endorsement Areas	1

- (2) Change the total credits from '24' to '26'.

Effective Spring 2022.

3. Change the requirements for the **Disciplinary Teaching Minor in German** that is available for secondary teacher certification in the Department of Linguistics, Languages, and Cultures. The Teacher Education Council (TEC) approved this request at its September 13, 2021 meeting.

- a. Under the heading **German** make the following changes:

- (1) In item 2., delete the following course:

LLT	307	Methods of Second and Foreign Language Teaching	3
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Add the following courses:

TE	409	Crafting Teaching Practice in the Secondary Teaching Minor	1
TE	503	Internship in Teaching Diverse Learners in Additional Endorsement Areas	1

- (2) Change the total credits from '24' to '23'.

Effective Spring 2022.

4. Change the requirements for the **Bachelor of Arts** degree in **Japanese** in the Department of Linguistics, Languages, and Cultures. The Teacher Education Council (TEC) approved this request at its September 13, 2021 meeting.

- a. Under the heading **Requirements for the Bachelor of Arts Degree in Japanese** make the following changes:

- (1) Replace item 3. b. with the following:

Both of the following courses (6 credits):

JPN	369	Japanese Literary and Cultural Studies I	3
JPN	469	Japanese Literary and Cultural Studies II (W)	3

- (2) Replace item 3. c. with the following:

Three of the following courses with at least one course at the 300- or 400-level (9 credits):

JPN	260	Japanese Cinema	3
JPN	261	Japanese Culture and Anime	3
JPN	350	Japanese Language in Society	3
JPN	451	Advanced Japanese for Japanese Language Proficiency Test Preparation	3
JPN	460	Media and Digital Culture in Japan	3
JPN	461	Japanese Children's Literature and Cultural Translation	3

- (3) Replace item 3. d. with the following:

Completion of a Capstone Experience:

This requirement may be satisfied by completion of an approved education abroad or internship experience in Japan or by completion of JPN 492 Capstone Project.

- (4) Replace item 3. f. with the following:

To fulfill the college cognate requirement of 15 credits, students are encouraged to consider a cognate in the field of East Asian Studies.

Effective Fall 2022.

5. Change the requirements for the **Minor in Japanese** in the Department of Linguistics, Languages, and Cultures.

- a. Under the heading **Requirements for the Minor in Japanese** make the following changes:

- (1) In item 1., delete the following course:

JPN	369	Introduction to Japanese Literature and Culture	3
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Add the following course:

JPN	369	Japanese Literary and Cultural Studies I	3
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- (2) In item 2., delete the following course:

JPN	350	Introduction to Japanese Literature and Culture	3
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Add the following course:

JPN	350	Japanese Language in Society	3
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Effective Fall 2022.

6. Change the requirements for the **Disciplinary Teaching Minor in Japanese** that is available for secondary teacher certification in the Department of Linguistics, Languages, and Cultures. The Teacher Education Council (TEC) approved this request at its September 13, 2021 meeting.

- a. Delete the option for elementary teacher certification.

- b. Under the heading **Japanese** replace the entire entry with the following:

1. All of the following courses (19 credits):

JPN	202	Second-Year Japanese II	5
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JPN	301	Third-Year Japanese I	4
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JPN	302	Third-Year Japanese II	4
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JPN	350	Japanese Language in Society	3
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JPN	369	Japanese Literary and Cultural Studies I	3
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2. All of the following courses (5 credits):

LLT	307	Methods of Second and Foreign Language Teaching	3
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TE	409	Crating Teaching Practice in the Secondary Teaching Minor	1
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TE	503	Internship in Teaching Diverse Learners in Additional Endorsement Areas	1
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Effective Fall 2022.

7. Change the requirements for the **Minor in Portuguese** in the Department of Romance and Classical Studies.
- a. Under the heading **Requirements for the Minor in Portuguese** replace the entire entry with the following:

Complete 15 credits from the following:

1. All of the following courses (9 credits):

PRT	320	Advanced Portuguese	3
PRT	340	Topics in Luso-Brazilian Language and Culture	3
PRT	350	Introduction to Literary Analysis (W)	3
2. At least 6 credits from the following courses as approved by the advisor for the minor:

PRT	150	Intensive Beginning Portuguese	5
PRT	250	Intensive Intermediate Portuguese	5
PRT	290	Independent Study	1 to 4
PRT	320	Advanced Portuguese	3
PRT	340	Topics in Luso-Brazilian Language and Culture	3
PRT	490	Independent Study	1 to 4

Effective Spring 2022.

### COLLEGE OF EDUCATION

1. Change the requirements for the **Doctor of Philosophy** degree in **Measurement and Quantitative Methods** in the Department of Counseling, Educational Psychology and Special Education. The University Committee on Graduate Studies (UCGS) approved this request at its September 20, 2021 meeting.
- a. Under the heading **Requirements for the Doctor of Philosophy Degree in Measurement and Quantitative Methods** make the following changes:

- (1) In item 1. delete the following course:

CEP	920	Basic Concepts in Educational and Social Science Measurement	3
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- (2) In item 1., change the total credits from “30 to 32” to “27 to 29”.
- (3) In item 3. a., delete the following course:

CEP	939	Seminar in Educational Measurement	3
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Effective Spring 2022.

2. Change the requirements for the **Doctor of Philosophy** degree in **Rehabilitation Counselor Education** in the Department of Counseling, Educational Psychology and Special Education. The University Committee on Graduate Studies (UCGS) approved this request at its September 20, 2021 meeting.
- a. Under the heading **Requirements for the Doctor of Philosophy Degree in Rehabilitation Counselor Education** make the following changes:

- (1) In item 4., change the credits of ‘CEP 944C’ from ‘6’ to ‘3’.
- (2) In item 4., change the total credits from ‘15’ to ‘12’.

Effective Spring 2022.



3. Change the requirements for the **Educational Specialist** degree in **School Psychology** in the Department of Counseling, Educational Psychology and Special Education. The University Committee on Graduate Studies (UCGS) approved this request at its September 20, 2021 meeting.

- a. Under the heading **Requirements for the Educational Specialist Degree in School Psychology** replace the entire entry with the following:

Students must meet the requirements specified below. Students who hold a Master of Arts degree in School Psychology may already meet some of these requirements.

		CREDITS
1.	All of the following courses (36 credits):	
	a. <b>School Psychology</b> (15 credits):	
	All of the following courses:	
	CEP 880 Cognitive Assessment	3
	CEP 881 Social and Emotional Assessment and Intervention	3
	CEP 884 Roles and Functions of School Psychologists	3
	CEP 886 Psychological Assessment and Intervention I	3
	CEP 888 Theories of Child Psychotherapy	3
	b. <b>Special Education</b> (18 credits):	
	All of the following courses:	
	CEP 809 Data-Driven Instruction within Multi-Tiered Systems of Support	3
	CEP 840 Policies, Practices, and Perspectives in Special Education	3
	CEP 841 Classroom and Behavior Management in the Inclusive Classroom	3
	CEP 844 Applied Behavior Analysis for Teachers	3
	CEP 801A Collaboration and Consultation in Special Education	3
	CEP 804B Advanced Diagnosis and Remediation for Students with Literacy Disabilities	3
	c. <b>Statistics</b> (3 credits):	
	CEP 932 Quantitative Methods in Educational Research I	3
2.	Two enrollments of the following course (6 credits):	
	CEP 893K Practicum in School Psychology	3
3.	Two enrollments of the following course (6 credits):	
	CEP 894K Internship in School Psychology	3
4.	Complete 12 credits of electives, 3 of which must address working with families, as approved in consultation with the student's advisor.	

Effective Spring 2022.

4. Change the requirements for the **Doctor of Philosophy** degree in **School Psychology** in the Department of Counseling, Educational Psychology and Special Education. The University Committee on Graduate Studies (UCGS) approved this request at its September 20, 2021 meeting.

- a. Under the heading **Admission** add the following item 2. and renumber the remaining items respectively.

A grade of 3.0 or higher in the following courses or their equivalent: Inferential Statistics, Child Development, and Abnormal Psychology.

- b. Under the heading **Requirements for the Doctor of Philosophy Degree in School Psychology** replace the entire entry with the following:

The student must meet the requirements specified below. Students who hold an Educational Specialist or a Master of Arts degree in School Psychology may already meet some of these requirements. Student's doctoral plans must be approved by

faculty and be consistent with the following requirements.

1. **Research.** Complete 15 credits of course work which includes CEP 995 Practicum in Research Design and Data Analysis (3 credits), one additional research design course, and three quantitative/qualitative methods courses as approved by the student's academic advisor.
2. **Ethical and Legal Standards.** Complete CEP 963 Ethics in Counseling and School Psychology (3 credits).
3. **Individual and Cultural Diversity.** Complete 9 credits of course work which includes CEP 885 Development and Psychopathology Across the Lifespan, CEP 919 Multicultural Practice in Mental Health, and CEP 972 Neurobiological Bases of Learning and Behavior.
4. **Professional Values, Attitudes and Behaviors.** Complete 15 credits of field-based course work comprising five semesters of Internship during the third and final years of study (CEP 894K/994K), and CEP 884 Roles and Functions of School Psychologists.
5. **Communication and Interpersonal Skills.** Complete 6 credits of CEP 893K Practicum in School Psychology during the second year of study.
6. **Assessment.** Complete 6 credits of course work including CEP 880 Cognitive Assessment and CEP 881 Social and Emotional Assessment and Intervention.
7. **Intervention.** Complete 9 credits of course work including CEP 918 Theories of School-Based Psychological Interventions, CEP 886 Psychological Assessment and Intervention I, and CEP 888 Theories of Child Psychotherapy.
8. **Supervision.** Complete at least one semester of CEP 993K Practicum in PhD School Psychology (3 credits), which includes a supervision experience.
9. **Consultation and Interprofessional/Interdisciplinary Skills.** Complete 3 credits of CEP 889 Consultation in School Psychology.
10. **Internship.** Participate in the Association of Psychology Postdoctoral and Internship Centers (APPIC) national match and complete a 2000-hour Internship in Psychology at an APPIC-approved internship site and at least 3 credits in CEP 994K Internship in PhD School Psychology, for supervision purposes, during the time of the internship.
11. **Dissertation.** Successful completion and defense of the dissertation. Students may not earn more than 30 credits in CEP 999 Doctoral Dissertation Research, of which 24 credits are required.

Effective Spring 2022.

### COLLEGE OF MUSIC

1. Change the requirements for the **Master of Music in Music Theory** in the College of Music. The University Committee on Graduate Studies (UCGS) approved this request at its September 20, 2021 meeting.
  - a. Under the heading **Requirements for the Master of Music Degree in Music Theory** make the following changes:
    - (1) In item 2. change the following note:

Students who take both MUS 870 and 871 may count one of the courses toward requirement 4., below.
    - (2) Replace item 3. with the following:

One of the following courses (2 credits):

MUS	873	Post-Tonal Techniques	2
MUS	974	Proseminar in Post-Tonal Theory and Analysis	2

Students who take both MUS 873 and 974 may count one of these courses toward requirement 4., below.
    - (3) In item 4., add the following course:

MUS	978	Analysis of Contemporary Music	2
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Effective Spring 2022.

2. Change the requirements for the **Graduate Certificate in Music Theory** in the College of Music. The University Committee on Graduate Studies (UCGS) approved this request at its September 20, 2021 meeting.

a. Under the heading **Requirements for the Graduate Certificate in Music Theory** make the following changes:

(1) In item 2. change the following note:

Students who take more than one of these courses may use the additional courses to fulfill 3 credits of the requirement in item 4. below.

(2) Replace item 3. with the following:

One of the following courses (2 credits):

MUS	873	Post-Tonal Techniques	2
MUS	974	Proseminar in Post-Tonal Theory and Analysis	2
MUS	978	Analysis of Contemporary Music	2

Students who take more than one of these courses may use the additional courses to fulfill the requirement in item 4.

Effective Spring 2022.

### **COLLEGE OF NATURAL SCIENCE**

1. Change the requirements for the **Bachelor of Science** degree in **Data Science** in the Department of Computational Mathematics, Science, and Engineering.

a. Under the heading **Requirements for the Bachelor of Science Degree in Data Science** make the following changes:

(1) Replace item 3. b. with the following:

b. One course from each of the following groups (8 to 10 credits):

(1)	LB	273	Physics I	4
	PHY	173	Studio Physics for Scientists and Engineers I	5
	PHY	183	Physics for Scientists and Engineers I	4
(2)	LB	274	Physics II	4
	PHY	174	Studio Physics for Scientists and Engineers II	5
	PHY	184	Physics for Scientists and Engineers II	4

(2) In item 3. f. add the following course:

CSE	404	Introduction to Machine Learning	3
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Effective Spring 2022.

**COLLEGE OF SOCIAL SCIENCE**

1. Change the **Admission to the College** statement in the **College of Social Science**. The University Committee on Undergraduate Education (UCUE) approved this request at its September 2, 2021 meeting.

a. Under the heading **Admission to the College** delete the following:

1. Completion of at least 28 credits acceptable to the college.

Effective Spring 2022.

2. Change the requirements for the **Minor in Chicano/Latino Studies** in the College of Social Science.

a. Under the heading **Minor in Chicano/Latino Studies** in item 2. b. delete the following course:

TE 250 Human Diversity, Power, and Opportunity in Social Institutions 3

Add the following course:

TE 101 Social Foundations of Justice and Equity in Education 3

Effective Spring 2022.

3. Change the requirements for the **Minor in Race and Ethnicity in the United States**.

a. Under the heading **Requirements for the Minor in Race and Ethnicity in the United States** make the following changes:

- (1) In item 3., delete the following course:

TE 250 Human Diversity, Power, and Opportunity  
in Social Institutions 3

Add the following course:

TE 101 Social Foundations of Justice and Equity  
in Education 3

Effective Spring 2022.

4. Change the requirements for the **Bachelor of Arts** degree in **Anthropology** Department of Anthropology.

a. Under the heading **Requirements for the Bachelor of Arts Degree in Anthropology** replace item 3. with the following:

The following required major courses (30 credits):

a. All of the following courses:

ANP 201 Introduction to Cultural Anthropology 3  
ANP 203 Introduction to Archaeology 3  
ANP 206 Introduction to Physical Anthropology 3  
ANP 489 Anthropology Capstone Course (W) 3

b. One of the following area courses (3 credits):

ANP 410 Anthropology of Latin America 3  
ANP 411 North American Indian Ethnography 3  
ANP 415 China: Culture and Society 3  
ANP 417 Introduction to Islam in Africa 3  
ANP 419 Anthropology of the Middle East 3  
ANP 432 American Indian Women 3

- |    |   |     |  |        |
|----|---|-----|--|--------|
|    | ANP   | 433 | Contemporary American Indian Communities                                       | 3      |
|    | ANP   | 437 | Asian Emigrant Communities: A Global Perspective                               | 3      |
|    | ANP   | 452 | North American Archaeology   | 3      |
|    | ANP   | 455 | Archaeology of Ancient Egypt   | 3      |
| c. | One of the following topical/analytical courses (3 or 4 credits):   |     |  |        |
|    | ANP   | 310 | Archaeology of Human Migrations  | 3      |
|    | ANP   | 320 | Social and Cultural Theory   | 3      |
|    | ANP   | 321 | Anthropology of Social Movements   | 3      |
|    | ANP   | 325 | Anthropology of the Environment and Development                                | 3      |
|    | ANP   | 330 | Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity | 3      |
|    | ANP   | 362 | Archaeology of Foragers to Farmers   | 3      |
|    | ANP   | 363 | Rise of Civilization   | 3      |
|    | ANP   | 364 | Fake Archaeology: Pseudoscience and the Past                                   | 3      |
|    | ANP   | 370 | Culture, Health, and Illness   | 3      |
|    | ANP   | 420 | Language and Culture   | 3      |
|    | ANP   | 422 | Religion and Culture   | 3      |
|    | ANP   | 425 | Issues in Medical Anthropology   | 3      |
|    | ANP   | 426 | Urban Anthropology   | 3      |
|    | ANP   | 436 | Globalization and Justice: Issues in Political and Legal Anthropology          | 3      |
|    | ANP   | 439 | Human Rights: Anthropological Perspectives                                     | 3      |
|    | ANP   | 440 | Hominid Fossils  | 3      |
|    | ANP   | 441 | Osteology and Forensic Anthropology  | 4      |
|    | ANP   | 443 | Human Adaptability   | 3      |
|    | ANP   | 461 | Method and Theory in Historical Archaeology                                    | 3      |
|    | ANP   | 486 | Environmental Archaeology  | 3      |
|    | NOTE: ANP 441 may be used for topical/analytical course or anthropological methods but not both.  |     |  |        |
| d. | Complete at least 3 credits from one of the following anthropological methods courses:  |     |  |        |
|    | ANP   | 412 | Method and Practice in Digital Heritage  | 3      |
|    | ANP   | 429 | Ethnographic Field Methods   | 4      |
|    | ANP   | 441 | Osteology and Forensic Anthropology  | 4      |
|    | ANP   | 463 | Laboratory Methods in Archaeology  | 3      |
|    | ANP   | 464 | Field Methods in Archaeology   | 2 to 6 |
|    | NOTE: ANP 441 may be used for topical/analytical course or anthropological methods but not both.  |     |  |        |
| e. | Complete 12 additional credits of Anthropology courses, at least 9 credits of which must be at the 300-level or above. ANP 101 or ANP 200 may not be used to fulfill this requirement. Courses used to meet major requirements may not be used to satisfy this requirement. |     |  |        |

Effective Spring 2022.

5. Change the requirements in the **Minor in Leadership of Organizations** in the School of Human Resources and Labor Relations.

- a. Under the heading **Requirements for the Minor in Leadership of Organizations** make the following changes:

- (1) In item 3. delete the following course:

REL	291	Special Topics in Religious Studies	3
TE	250	Human Diversity, Power, and Opportunity in Social Institutions	3

Add the following courses:

REL	285	Introduction to Social Entrepreneurship and Religion	3
TE	101	Social Foundations of Justice and Equity in Education	3

- (2) Delete the note following item 3.

Effective Spring 2022.

6. Change the requirements for the **Minor in Human Behavior and Social Services** in the School of Social Work.

- a. Under the heading **Requirements for the Minor in Human Behavior and Social Services**, in item 4., delete the following course:

TE	250	Human Diversity, Power, and Opportunity in Social Institutions	3
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Add the following course:

TE	101	Social Foundations of Justice and Equity in Education	3
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Effective Spring 2022.

## **PART II - NEW COURSES**

### **DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING**

- CE 814      Soil Dynamics and Geotechnical Earthquake Engineering  
Fall of odd years. 3(3-0)  
Dynamic response of single-degree-of-freedom foundation systems. Frequency and time domain methods. Soil properties and damping in soils. Wave propagation in continuum media. Response of multi-degree of freedom layered systems. Earthquake response, seismic site response and design.  
Effective Fall 2021
- CE 835      Engineering Management of Pavement Networks  
Spring of even years. 3(3-0)
- REINSTATEMENT      Theoretical and statistical analysis of pavement networks. Engineering monitoring. Determination of distress mechanisms and engineering solutions. Assignment of priorities to engineering actions.  
Effective Spring 2022

### **DEPARTMENT OF FORESTRY**

- FOR 810      Forestry Field Techniques  
Summer of every year. 2(0-4) R: Open to graduate students in the Department of Forestry.  
Introduction to professional forestry field techniques, including tree biology, forest ecology, soil science, silviculture, forest inventory and forest management in a variety of forest ecosystems across Michigan. Field trips required. Offered second half of semester.  
Effective Summer 2021
- FOR 812      Forest Measurements and Inventory  
Fall of every year. 2(1-2) P: FOR 810 R: Open to graduate students in the Department of Forestry.  
Land measurement, units of timber measure, estimating volume of standing trees, sampling methods for forest inventory, integrating remotely-sensed and ground-based inventory. Offered first half of semester.  
Effective Fall 2021
- FOR 814      Tree Biology  
Fall of every year. 2(1-2) P: FOR 810 R: Open to graduate students in the Department of Forestry.  
Systematics and identification of trees; ecophysiology of tree growth, allocation and water relations; reproductive biology of trees including, sexual and asexual reproductive strategies. Offered first half of semester.  
Effective Fall 2021
- FOR 816      Forest Ecosystem Processes  
Fall of every year. 2(1-2) P: FOR 812 and FOR 814 R: Open to graduate students in the Department of Forestry.  
Climate, physiography and soils; disturbance regimes; stand dynamics and succession; element cycling within forest ecosystems and between forest ecosystems and the atmosphere. Offered second half of semester.  
Effective Fall 2021
- FOR 818      Advanced Silviculture  
Fall of every year. 2(1-2) P: FOR 812 and FOR 814 and (FOR 816 or concurrently) R: Open to graduate students in the Department of Forestry.  
Application of prescriptions to manage the composition, growth and health of forest stands, including techniques for establishment, thinning, timber stand improvement, and regeneration. Offered second half of semester.  
Effective Fall 2021

**DEPARTMENT OF HISTORY**

- HST 418 History and Art through Technology  
Fall of every year. 3(3-0) Interdepartmental with History of Art. P: (HST 201 or HST 251 or HA 101 or HA 210) and completion of Tier I writing requirement R: Not open to freshmen.  
Approaches in History and Art History to visual, material, textual, and other historical sources using digital technologies to explore a particular region, time period, or thematic topic.  
Effective Fall 2021

**MSU COLLEGE OF LAW**

- LAW 501N Sales and Secured Transactions  
On Demand. 0 to 6 credits. R: Open to Law students in the MSU College of Law. Not open to students with credit in LAW 501E or LAW 501F.  
Overview of Articles 2 and 9 of the Uniform Commercial Code, including title, risk of loss, UCC remedies, attachment and perfection of security interests, and priority battles among secured creditors.  
Effective Fall 2021
- LAW 535S Cybersecurity and Data Protection  
On Demand. 0 to 6 credits. R: Open to Law students in the MSU College of Law or in the MSU College of Law.  
Current issues in cybersecurity and data protection to give a solid foundation for working within current and future data protection frameworks and laws.  
Effective Fall 2021
- LAW 580A Campaign Finance and Regulation  
On Demand. 0 to 6 credits. R: Open to Law students in the MSU College of Law.  
Rules, regulations and relevant case law governing the campaign finance system at the state and federal levels.  
Effective Spring 2022
- LAW 609A Sports and Inequality  
On Demand. 0 to 6 credits. R: Open to Law students in the MSU College of Law.  
Examination of legal and social implications of discrimination in both professional and amateur sports. Legal efforts to address discrimination in sports based on characteristics such as race, gender, disability, and sexual orientation will be discussed.  
Effective Spring 2022
- LAW 811F Food Regulatory Law: Counseling and Advocacy  
On Demand. 0 to 6 credits. R: Open to Law students in the MSU College of Law. Not open to students with credit in FSC 820 or LAW 810U.  
Administrative law and regulatory principles to develop advocacy and counseling knowledge and skills relevant to food law and the food industry.  
Effective Fall 2021

**DEPARTMENT OF LINGUISTICS, LANGUAGES AND CULTURES**

- JPN 260 Japanese Cinema  
Spring of odd years. 3(3-2)  
History, development and major themes of Japanese cinema from early 20th century to present.  
Effective Fall 2022
- JPN 261 Japanese Culture and Anime  
Spring of every year. 3(3-0) RB: Some familiarity with Japanese language and culture, as well as anime, would further enrich students' learning experience.  
Japanese culture and history as reflected in contemporary anime from multiple perspectives and the global consumption of Japanese anime in the context of cultural nationalism and identity politics.  
Effective Spring 2022



- JPN 291      Topics in Japanese Studies  
On Demand. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: JPN 102 or approval of department  
Topics in Japanese Studies. Topics vary.  
Effective Fall 2022
- JPN 460      Media and Digital Culture in Japan  
Spring of even years. 3(3-0) P: JPN 200 or JPN 202 or approval of department  
Historical development and contemporary currents in Japanese media, including popular culture, mass and broadcast media, and digital media.  
Effective Spring 2022
- JPN 461      Japanese Children's Literature and Cultural Translation  
Fall of every year. 3(3-0) P: JPN 200 or JPN 202 or approval of department RB: JPN 260 and JPN 261 and JPN 369  
Major themes of contemporary illustrated Japanese children's literature and key approaches to linguistic and cultural translation  
Effective Fall 2022
- JPN 492      Capstone Project  
Fall of every year. Spring of every year. 1(1-0) R: Open to seniors or approval of department. C: JPN 460 concurrently or JPN 461 concurrently or JPN 491 concurrently or JPN 350 concurrently.  
Completion of a capstone paper or project reflective of student's academic achievements in Japanese Studies.  
Effective Fall 2022

### **COLLEGE OF MUSIC**

- MUS 974      Proseminar in Post-Tonal Theory and Analysis  
On Demand. 2(2-0) R: Open to graduate students in the College of Music or in the Music Theory Graduate Certificate or approval of college.  
Survey of core readings and recent trends in post-tonal theory and analysis. Topics include set theory, serialism, transformation theory, segmentation, form, post-tonal prolongation, rhythm and meter, and additional topics.  
Effective Spring 2022

### **DEPARTMENT OF PLANT, SOIL AND MICROBIAL SCIENCES**

- CSS 824      Sustainable Agriculture and Food Systems Field Practicum  
Fall of every year. 2(0-4) Interdepartmental with Entomology. RB: Some knowledge of food systems either at the level of production, processing, storage or resale from either a natural or social science background R: Open to graduate students in the Sustainable Agriculture and Food Systems specialization or approval of department.  
Economic, environmental and social considerations in sustainable food systems. Field visits to farm and food system operations in Michigan. Offered first half of semester. Field trips required.  
Effective Spring 2022
- CSS 826      Sustainable Agriculture and Food Systems Capstone Seminar  
Spring of every year. 1(1-0) Interdepartmental with Entomology. P: CSS 824 RB: Knowledge of food systems either at the level of production, processing, storage or resale from either a natural or social science background and sufficient research experience in this area to develop a lecture/discussion topic based on the student's primary research/scholarly area R: Open to graduate students in the Sustainable Agriculture and Food Systems specialization or approval of department.  
Interdisciplinary exploration of food system research and scholarship using a sustainability framework.  
Effective Spring 2022

### **COLLEGE OF OSTEOPATHIC MEDICINE**

- OST 559      Pediatrics IV  
Spring of every year. 1(1-0) R: Open to graduate students in the College of Osteopathic Medicine. Normal structure, function, and pathologies of the respiratory system as it relates to the pediatric population. Approach to pediatric fever, congenital infections, the acutely ill child, and ethical considerations in pediatrics.  
Request the use of the Pass-No Grade (P-N) system.  
Effective Spring 2022
- OST 622      Addiction Medicine  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to graduate students in the College of Osteopathic Medicine. Approval of college.  
Fundamentals of addiction medicine. Increase knowledge, basics of diagnosis, medical care, and awareness of substance use disorders and of persons with substance use disorders and substance-related health conditions.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Fall 2021
- OST 623      Board Preparation  
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the College of Osteopathic Medicine. Approval of college.  
Independent study prior to COMLEX Level 2-CE board exam.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Fall 2021
- OST 624      Essentials of Diabetes  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to graduate students in the College of Osteopathic Medicine. Approval of college.  
Knowledge of the pathophysiology, clinical research and treatment in the care of patients with all types of diabetes.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Fall 2021

### **DEPARTMENT OF SURGERY**

- SUR 634      Neurosurgery Sub-Internship  
Fall of every year. Spring of every year. Summer of every year. 6(6-0) A student may earn a maximum of 12 credits in all enrollments for this course. P: SUR 641 and SUR 642 R: Open to graduate-professional students in the College of Human Medicine.  
Advanced clinical experience to improve skills and knowledge in the neurosurgical discipline.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Spring 2021

## **PART III – COURSE CHANGES**

### **DEPARTMENT OF ACCOUNTING AND INFORMATION SYSTEMS**

ACC 202 Principles of Management Accounting  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) ~~P: CSE 102~~ R: Open to undergraduate students in the Business - Admitted major.  
Management uses of accounting information. Costing products and services, planning and budgeting, performance measurement, control of organizational activities, and decision making.  
~~Effective Fall 2017~~ Effective Spring 2022

### **COLLEGE OF ARTS AND LETTERS**

ACM 462 Marketing and Public Relations in Arts, Cultural, and Museum Management  
Fall of every year. Spring of every year. 3(2-2) ~~P: ACM 274~~ P: ACM 271 or concurrently or approval of department Not open to students with credit in ACM 862.

Principles, research, strategy and tactics for promotion, public relations, branding and social media in arts, cultural and museum management.

SA: AL 462

~~Effective Fall 2021~~ Effective Spring 2022

ACM 463 Event Production and Planning for Arts and Culture  
Fall of every year. Spring of every year. 3(2-2) ~~P: ACM 274~~ P: ACM 271 or concurrently or approval of department R: Approval of college. Not open to students with credit in ACM 863.

Technical aspects of event planning, production and management. Operational procedures of presenting, producing and programming events and cultural activities. Technical and venue management procedures.

SA: AL 463

~~Effective Fall 2021~~ Effective Spring 2022

ACM 464 Education and Outreach for Arts and Cultural Management  
Fall of every year. Spring of every year. 3(3-0) ~~P: ACM 274~~ P: ACM 271 or concurrently or approval of department R: Open to students in the College of Arts and Letters or approval of college. Not open to students with credit in ACM 864.

Arts and cultural organization education and outreach. Understanding of K-12 school and community programs.

SA: AL 464

~~Effective Fall 2021~~ Effective Spring 2022

ACM 465 Leadership and Innovation for Arts, Cultural and Museum Management  
Fall of every year. Spring of every year. 3(3-0) ~~P: ACM 274~~ P: ACM 271 or concurrently or approval of department R: Open to students in the College of Arts and Letters and open to students in the Entrepreneurship and Innovation Minor. Not open to students with credit in ACM 865.

Development of leadership abilities, creative, and innovative planning in arts, cultural, and museum management through readings and practical application.

SA: AL 465

~~Effective Fall 2021~~ Effective Spring 2022

ACM 466 Facilities and Operations for Arts and Cultural Management  
Fall of every year. Spring of every year. 3(3-0) ~~P: ACM 274~~ P: ACM 271 or concurrently or approval of department Not open to students with credit in ACM 866.

Address the complex skills involved in the management of both private and public arts and cultural venues. Understand and develop the skills required for building operations, policies, vendor contracting, scheduling, maintenance, daily operations, event coordination, additional fundraising opportunities; and policies required for public safety and control. Internal and external relationships required for complex arts and cultural venues.

SA: ACM 468

~~Effective Fall 2021~~ Effective Spring 2022

- ACM 467      Development and Fundraising for Arts, Cultural Management, and Museums  
Fall of every year. Spring of every year. 3(3-0) ~~P: ACM 271~~ P: ACM 271 or concurrently or approval of department R: Open to students in the College of Arts and Letters. Not open to students with credit in ACM 867.  
Arts and cultural organization development and fundraising methods. Investigation of foundation, government, corporate and individual funding sources.  
SA: AL 467  
~~Effective Fall 2021~~ Effective Spring 2022
- ACM 471      Arts and Cultural Management Seminar  
Fall of every year. Spring of every year. Summer of every year. 3(2-2) ~~P: (ACM 271) and (ACM 461 or ACM 462 or ACM 463)~~ P: (ACM 271) and (ACM 461 or ACM 462 or ACM 463 or ACM 464 or ACM 465 or ACM 466 or ACM 467) R: Approval of college.  
Seminar covering key topics and approaches in arts and cultural management, and the preparation of academic and professional portfolios.  
SA: AL 471  
~~Effective Fall 2017~~ Effective Spring 2022
- ACM 491      Special Topics in Arts and Cultural Management  
On Demand. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. P: ACM 271 or concurrently or approval of department ~~RB: ACM 271~~  
Special topics supplementing regular course offerings, proposed by faculty on a group study basis.  
~~Effective Fall 2018~~ Effective Spring 2022
- ACM 496      Arts and Cultural Management Internship  
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. ~~P: ACM 271 or concurrently~~ P: (ACM 271) and (ACM 461 or ACM 462 or ACM 463 or ACM 464 or ACM 465 or ACM 466 or ACM 467) R: Approval of college.  
Internship for Arts and Cultural Management minors.  
Request the use of the Pass-No Grade (P-N) system.  
~~Effective Fall 2021~~ Effective Spring 2022
- MUSM 485      Foundations of Museum Studies  
Fall of every year. 3(3-0) Interdepartmental with Anthropology and History of Art. ~~R: Open to juniors or seniors or graduate students.~~ R: Not open to freshmen.  
Activities, functions, and organization of museums. Changing role of museums as cultural institutions.  
SA: AL 485  
~~Effective Fall 2017~~ Effective Spring 2022
- MUSM 488      Museum Curatorial Practices  
Spring of every year. 3(3-0) Interdepartmental with Anthropology and History of Art. P: (MUSM 485) and ((MUSM 489 or concurrently) or (MUSM 494 or concurrently) or (MUSM 498 or concurrently))  
~~R: Open to juniors or seniors or graduate students.~~ R: Not open to freshmen.  
Methods and practices for the development, care, and use of museum collections in research, education, and exhibition activities.  
SA: HA 488, AL 488  
~~Effective Fall 2017~~ Effective Spring 2022
- MUSM 492      Special Topics in Museum Studies  
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. Interdepartmental with Anthropology and History of Art. A student may earn a maximum of 6 credits in all enrollments for this course. P: MUSM 485 or concurrently or approval of department ~~R: Open to juniors or seniors.~~ Approval of college. ~~R: Not open to freshmen.~~ Approval of college.  
Special topics supplementing regular course offerings.  
~~Effective Fall 2021~~ Effective Spring 2022

- MUSM 494 Museum Exhibitions: Theory and Development  
Fall of every year. Spring of every year. 3(2-2) P: MUSM 485 or concurrently or approval of department ~~R: Open to juniors or seniors.~~ R: Not open to freshmen. Not open to students with credit in MUSM 894.  
Theoretical and practical approaches to the planning, design, development, installation, and evaluation of museum exhibitions.  
SA: AL 494  
~~Effective Fall 2017~~ Effective Spring 2022
- MUSM 497 Practicum in Museum Studies  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: MUSM 485 or concurrently RB: MUSM 485 R: Open to students in the Museum Studies Minor and open to students in the Museum Studies Graduate Certificate or approval of college.  
Practical experience in museum studies.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
SA: AL 497  
~~Effective Fall 2017~~ Effective Spring 2022
- MUSM 887 The Digital Museum  
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Anthropology and History. P: MUSM 885 or concurrently ~~R: Open to graduate students or lifelong graduate students in the College of Arts and Letters.~~ R: Open to graduate students in the College of Arts and Letters or approval of college.  
Exploration, application, and innovation of the most current uses of the digital in museums, the arts, and other cultural organizational settings.  
SA: AL 887  
~~Effective Fall 2020~~ Effective Spring 2022

### DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

- BMB 200 Introduction to Biochemistry  
Fall of every year. Summer of every year. 4(4-0) ~~P: CEM 143 or CEM 251 or CEM 351~~ P: CEM 143 or CEM 251 or CEM 351 or LB 271 RB: CEM 252 or CEM 352  
Introductions to the major classes of biomolecules and the metabolism of these molecules.  
SA: BCH 200  
~~Effective Spring 2021~~ Effective Spring 2022

### DEPARTMENT OF CHEMISTRY

- CEM 141 General Chemistry  
Fall of every year. Spring of every year. Summer of every year. 4(4-0) ~~P: ((MTH 103B or concurrently) or (MTH 103 or concurrently) or (MTH 110 or concurrently) or (MTH 116 or concurrently) or (MTH 124 or concurrently) or (MTH 132 or concurrently) or (MTH 152H or concurrently) or LB 118) or designated score on Mathematics Placement test~~ P: ((MTH 103B or concurrently) or (MTH 103 or concurrently) or (MTH 116 or concurrently) or (MTH 124 or concurrently) or (MTH 132 or concurrently) or (MTH 152H or concurrently) or LB 118) or designated score on Mathematics Placement test Not open to students with credit in CEM 181H or CEM 151 or LB 171.  
Elements and compounds; reactions; stoichiometry; thermochemistry; atomic structure; chemical bonding; states of matter; solutions; acids and bases; aqueous equilibria.  
~~Effective Spring 2020~~ Effective Spring 2022

### DEPARTMENT OF COMMUNICATION

- COM 475      Communication Campaign Design and Analysis (W)  
Fall of every year. Spring of every year. 4(4-0) ~~P: (COM 275 and COM 300) or ((ADV 325 or ADV 425) and completion of Tier I writing requirement)~~ P: (COM 275 and COM 300) or ((PR 325 or PR 425) and completion of Tier I writing requirement) R: Open to juniors or seniors or graduate students in the Department of Communication or in the Public Relations Minor.  
Design and analysis of campaigns presented through mediated channels including electronic and print media.  
~~Effective Fall 2018~~ Effective Spring 2022
- COM 875      Communication Leadership Skills in Organizations  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) ~~R: Open to master's students in the Accounting major.~~ R: Open to master's students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Department of Accounting and Information Systems or in the Accounting Major.  
~~Theoretical and practical approaches to organizational communication and leadership. Communication and responsibility in a new era. Leadership self-assessment, leadership in action and managerial communication, and leadership accountability. Effective business communication. Theories and research related to power, language, leadership, feedback, and teamwork.~~  
~~Effective Fall 2008~~ Effective Spring 2022

### DEPARTMENT OF COMMUNICATIVE SCIENCES AND DISORDERS

- CSD 840      Voice Disorders  
~~Fall of every year. Spring of every year.~~ 3(3-0) P: CSD 813 R: Open to graduate students in the Department of Communicative Sciences and Disorders.  
Etiology, symptomatology, diagnosis, and treatment of voice disorders in children and adults.  
SA: ASC 823C, CSD 823C  
~~Effective Spring 2016~~ Effective Spring 2022
- CSD 865      Motor Speech Disorders  
Spring of every year. ~~Summer of every year.~~ 3(3-0) P: CSD 813 R: Open to graduate students in the Department of Communicative Sciences and Disorders.  
Neuropathology, symptomatology, and speech-language habilitation and rehabilitation of individuals with motor speech disorders.  
SA: ASC 823B, CSD 823B  
~~Effective Summer 2016~~ Effective Spring 2022
- CSD 888      Counseling in Communicative Disorders  
Spring of every year. ~~Summer of every year.~~ 3(3-0)  
Overview of counseling issues related to communication disorders.  
SA: ASC 823L, CSD 823L  
~~Effective Fall 2012~~ Effective Spring 2022

### DEPARTMENT OF COUNSELING, EDUCATIONAL PSYCHOLOGY, AND SPECIAL EDUCATION

- CEP 885      ~~Behavior Disorders in Children~~  
Development and Psychopathology Across the Lifespan  
Fall of every year. ~~Summer of every year.~~ 3(3-0) RB: 12 graduate credits in Educational Psychology or related area. ~~Not open to students with credit in PSY 853 or PSY 854. Not open to students with credit in PSY 853.~~  
~~Characteristics, causes, and treatment of school related behavior disorders in children within a developmental framework. Characteristics, causes, and treatment of mental health disorders in children within a developmental lifespan framework.~~  
~~Effective Spring 2002~~ Effective Spring 2022

- CEP 889 Consultation in School Psychology  
~~Fall of every year. Spring of every year.~~ 3(3-0) P: CEP 880 and (CEP 881 or concurrently) and CEP 884 and CEP 886 R: Open to educational specialist or doctoral students in the School Psychology Major.  
School-based consultation, theoretical models and consultation skills. Communication and interpersonal skills, conflict management, and joint problem-solving. Ethical issues.  
Research on consultation.  
~~Effective Spring 2019~~ Effective Spring 2022
- CEP 919 ~~Cultural Factors and Evidence-Based Practice in Children's Mental Health~~  
Multicultural Practice in Mental Health  
~~Fall of every year. Spring of every year.~~ 3(3-0) R: Open to educational specialist or doctoral students in the School Psychology Major.  
A multicultural approach to psychology, the cultural competence to serve diverse populations, a critical perspective on the cultural validity of mental health interventions, and awareness of equity and justice in practice and research.  
~~Effective Summer 2019~~ Effective Spring 2022
- CEP 963 Ethics in Counseling and School Psychology  
~~Fall of every year. Spring of every year.~~ 3(3-0) ~~R: Open only to Ph.D. students in the Rehabilitation Counselor Education or Ed.S. and Ph. D. students in School Psychology. R: Open to doctoral students in the Rehabilitation Counselor Education Major and open to doctoral students in the School Psychology Major and open to educational specialist in the Educational Specialist in School Psychology Major.~~  
Traditional and contemporary issues in theory, research, practice, and training with a focus on ethics including ethical theory, principles, standards, codes of conduct, and legal issues.  
~~Effective Fall 2006~~ Effective Spring 2022
- CEP 968 Research Methods in Counseling and School Psychology  
~~Fall of every year. Spring of every year.~~ 3(3-0) ~~RB: CEP 933~~ R: Open to doctoral students in the Rehabilitation Counselor Education Major or in the School Psychology Major.  
~~Research topics and designs in counseling psychology, with emphasis on the development of a viable research proposal. Research topics and designs in counseling and school psychology, with emphasis on the development of a viable research proposal.~~  
~~Effective Spring 2014~~ Effective Spring 2022

### DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

- ECE 489 Independent Senior Design  
Fall of every year. Spring of every year. Summer of every year. 4(4-0) P: ~~(((ECE 303 and ECE 313 and ECE 320 and ECE 331 and ECE 366 and (ECE 390 or concurrently)) or approval of department) and completion of Tier I writing requirement) or (CSE 410 or approval of department) and (ECE 390 or concurrently or approval of department)~~ P: (((ECE 303 and ECE 313 and ECE 320 and ECE 331 and ECE 366 and (ECE 390 or concurrently)) or approval of department) and completion of Tier I writing requirement) or CSE 325) and (ECE 390 or concurrently) R: Open to seniors in the Department of Electrical and Computer Engineering.  
Individual design project with software and hardware components.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
~~Effective Fall 2018~~ Effective Spring 2022

### COLLEGE OF ENGINEERING

- EGR 193 Introduction to Experiential Education  
Fall of every year. ~~Spring of every year. Summer of every year.~~ 1(1-0) ~~A student may earn a maximum of 4 credits in all enrollments for this course. RB: Students must have participated in a paid, supervised engineering experience. RB: Engineering students with no credit in EGR 391, 392, 393, 493, or 494 or approval of college. R: Open to freshmen in the College of Engineering. Approval of department. R: Open to undergraduate students in the College of Engineering. Approval of department.~~  
~~A reflection on previous career related work experiences and exploration of future career opportunities. Career exploration course designed to address a variety of student career development levels and interests.~~  
Request the use of the Pass-No Grade (P-N) system.  
~~Effective Fall 2020~~ Effective Spring 2022

### DEPARTMENT OF EMERGENCY MEDICINE

- EM 540 Emergency Medicine for Preclinical Students  
Fall of every year. Spring of every year. Summer of every year. 1(1-0) A student may earn a maximum of 2 credits in all enrollments for this course. R: Open to students in the College of Human Medicine or in the College of Osteopathic Medicine.  
A precepting experience in the principles of emergency care in the hospital.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
SA: HM 540  
DELETE COURSE  
Effective Fall 2021
- EM 630 Emergency Medicine Clerkship  
Fall of every year. Spring of every year. Summer of every year. 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: {(FM 608 or MED 608 or PHD 600 or SUR 608) and (FM 608 or MED 608 or PHD 600 or SUR 608)} or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Clinical diagnosis and treatment of the undifferentiated patient in the emergency department setting.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
SA: HM 630  
DELETE COURSE  
Effective Fall 2021
- EM 631 Clinical Experience in Emergency Medicine  
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. ~~P: (HM 556) or (FM 608 and MED 608 and PHD 600 and PSC 608 and OCR 608 and SUR 608)~~ P: HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Clinical diagnosis of the undifferentiated patient in the emergency department setting.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
~~Effective Summer 2020~~ Effective Spring 2022



EM 632 Senior Clinical Elective in Emergency Medicine  
Fall of every year. Spring of every year. Summer of every year. 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. ~~P: ((FM 641 or MED 641 or PHD 641 or PSC 641 or OGR 641 or SUR 641) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OGR 641 or SUR 641) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OGR 641 or SUR 641) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OGR 641 or SUR 641)) or (FM 608 and MED 608 and PHD 600 and PSC 608 and OGR 608 and SUR 608) P: (FM 641 or MED 641 or PHD 641 or PSC 641 or OGR 641 or SUR 641) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OGR 641 or SUR 641) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OGR 641 or SUR 641) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OGR 641 or SUR 641) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OGR 641 or SUR 641) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OGR 641 or SUR 641) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OGR 641 or SUR 641) R: Open to graduate-professional students in the College of Human Medicine.~~  
Four-week elective in clinical diagnosis and treatment of the undifferentiated patient in the emergency department setting. Intended for students planning to apply to an Emergency Medicine Residency.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
~~Effective Summer 2019~~ Effective Spring 2022

### DEPARTMENT OF FINANCE

FI 250 Careers in Finance  
Fall of every year. Spring of every year. 1(1-0) ~~R: Open to undergraduate students in the Business - Admitted major or in the Finance Major or approval of department.~~ R: Open to sophomores or juniors in the Business - Admitted major or in the Finance Major or approval of department.  
Exploration of the various specialty areas within the field of finance, including career options for new college graduates and employment trends. Understanding the minors offered to supplement the major, the student organizations that augment classroom learning, and the professional certifications desired by employers.  
Request the use of the Pass-No Grade (P-N) system.  
~~Effective Spring 2020~~ Effective Spring 2022

FI 311 Financial Management  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: (ACC 201 or ACC 230) and (STT 200 or STT 201 or STT 231 or STT 315 or STT 351 or STT 421 or STT 430 or STT 441) ~~R: Open to undergraduate students in the Accounting major or in the Business - Admitted major or in the Human Resource Management Major or in the Management Major or in the Marketing Major or in the Supply Chain Management Major or in the Finance Major or in the Actuarial Science Major or in the Actuarial Science Minor.~~ R: Open to sophomores or juniors or seniors in the Accounting major or in the Business - Admitted major or in the Human Resource Management Major or in the Management Major or in the Marketing Major or in the Supply Chain Management Major or in the Finance Major or in the Actuarial Science Major or in the Actuarial Science Minor. Not open to students with credit in FI 311H.  
Overview of financial management for business majors. Analysis of financial statements, markets, and assets. Risk and valuation, corporate budgeting and investment decisions. International and ethical implications. Current events applications.  
~~Effective Fall 2020~~ Effective Spring 2022

FI 311H Financial Management  
Fall of every year. 3(3-0) P: (ACC 201 or ACC 230) and (STT 200 or STT 201 or STT 231 or STT 315 or STT 351 or STT 421 or STT 430 or STT 441) ~~R: Open to sophomores or juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management and not open to students in the School of Hospitality Business.~~ R: Open to sophomores or juniors or seniors in the Accounting major or in the Business - Admitted major or in the Human Resource Management Major or in the Management Major or in the Marketing Major or in the Supply Chain Management Major or in the Finance Major or in the Actuarial Science Minor or in the Actuarial Science Major. Not open to students with credit in FI 311.  
Analysis of financial statements, markets, assets, and liabilities. Risk and valuation, capital budgeting and investment decisions. International and ethical implications. Current events applications.  
~~Effective Fall 2020~~ Effective Spring 2022

### **SCHOOL OF HUMAN RESOURCES AND LABOR RELATIONS**

- HRLR 494 Undergraduate Research in Human Capital and Society  
Fall of every year. Spring of every year. Summer of every year. ~~3 to 6 credits.~~ 1 to 6 credits. A student may earn a maximum of 8 credits in all enrollments for this course. P: HRLR 201 and (HRLR 315 or concurrently) R: Open to undergraduate students in the College of Social Science or approval of school. Not open to students with credit in SSC 494.  
Faculty-guided undergraduate research in disciplines encompassed in human capital and society.  
~~Effective Spring 2021~~ Effective Spring 2022

### **SCHOOL OF JOURNALISM**

- DS 351 Producing For Cinema and Television  
Spring of every year. 3(3-0) ~~P: (DS 241) or (CAS 112 and CAS 201 and CAS 202) P: (DS 241) or (CAS 112 and CAS 209) R: Open to students in the Department of Media and Information or in the School of Journalism or in the Documentary Production Minor or in the Fiction Filmmaking Minor.~~  
R: Open to students in the Department of Media and Information or in the School of Journalism or in the Fiction Filmmaking Minor.  
Explore the role of the creative producer in both artistic and business aspects of film and digital media projects. Case studies from development to design.  
SA: MI 351  
~~Effective Summer 2021~~ Effective Spring 2022

### **MSU COLLEGE OF LAW**

- LAW 593D Remedies  
Fall of every year. Spring of every year. Summer of every year. 1 to 4 credits. ~~P: LAW 500D P: LAW 530B~~ R: Open to students in the MSU College of Law.  
Overview of main types of remedies available in the American legal system following a determination of liability for violation of contract, tort, property or constitutional law.  
Covers monetary damages, equitable relief, and examines the implications of choosing particular remedies.  
SA: DCL 423  
~~Effective Fall 2000~~ Effective Fall 2021

### **DEPARTMENT OF LINGUISTICS, LANGUAGES AND CULTURES**

- JPN 201 Second-Year Japanese I  
Fall of every year. 5(5-0) ~~P: JPN 102 P: JPN 100 or JPN 102 or approval of department Not open to students with credit in JPN 200.~~  
Intermediate-level speaking, listening comprehension, reading, writing, and grammar. Aspects of culture. Additional Kanji. Emphasis on accurate communication.  
~~Effective Spring 2015~~ Effective Fall 2022
- JPN 301 Third-Year Japanese I  
Fall of every year. 4(4-0) ~~P: JPN 202 P: JPN 200 or JPN 202 or approval of department Not open to students with credit in JPN 300.~~  
High intermediate-level speaking, listening comprehension, reading, writing, and grammar of modern Japan. Use of some authentic materials, both spoken and written. Additional Kanji and aspects of culture. Class conducted mostly in Japanese.  
~~Effective Spring 2015~~ Effective Fall 2022

- JPN 350 ~~Studies in Japanese Language~~  
~~Japanese Language in Society~~  
Spring of every year. 3(3-0) ~~P: JPN 202~~ P: JPN 200 or JPN 202 or approval of department  
~~Outline of the Japanese language, partly taught in English. History, styles, socio-linguistic~~  
~~issues (e.g. honorifics, gender differences, dialects). Review of important structures and~~  
~~phrases. Deepen an understanding of the Japanese language from sociolinguistic,~~  
~~pragmatic, applied linguistic perspectives. Read and analyze data from various sources.~~  
~~Critically reflect one's assumption and use of the Japanese language. Taught in English~~  
~~and Japanese.~~  
~~Effective Spring 2015~~ Effective Spring 2022
- JPN 369 ~~Introduction to Japanese Literature and Culture~~  
~~Japanese Literary and Cultural Studies I~~  
Fall of every year. Spring of every year. 3(3-0) P: ((IAH 211B or IAH 211C or IAH 211D or IAH  
221B or IAH 221C or IAH 231B or IAH 231C or IAH 241A or IAH 241C or IAH 241D) or (HST 369  
or HST 370)) and JPN 202 and Completion of Tier I Writing Requirement P: ((JPN 200 or JPN 202)  
or approval of department) and completion of Tier I writing requirement R: ~~Open to juniors or~~  
~~seniors.~~ R: Open to juniors or seniors or approval of department.  
Critical concepts and tools necessary to analyze discourses on Japanese culture and  
literature. Key issues in Japanese studies, including the emergence of pre-modern and  
modern literary genres and styles, the canonization of national literature, and the nature of  
translation and transformation. Taught in English and Japanese.  
~~Effective Spring 2015~~ Effective Fall 2022
- JPN 401 Fourth-Year Japanese I  
Fall of every year. 3(3-0) ~~P: JPN 302~~ P: JPN 300 or JPN 302 or approval of department ~~Not open~~  
~~to students with credit in JPN 400.~~  
Advanced work on speaking, listening comprehension, reading, and writing. Some  
classical grammar. Extensive use of original technical and non-technical materials, both  
spoken and written. Additional Kanji and aspects of culture. Class conducted entirely in  
Japanese.  
~~Effective Spring 2015~~ Effective Fall 2022
- JPN 451 Advanced Japanese for Japanese Language Proficiency Test Preparation  
Fall of even years. 3(3-0) ~~P: JPN 302 or approval of department~~ P: JPN 300 or JPN 302 or  
approval of department  
Preparation for Japanese Language Proficiency Test Levels 1 or 2. Practice in advanced-  
level Kanji (Chinese character), grammar, and reading comprehension. Advanced  
speaking practice. Taught entirely in Japanese.  
~~Effective Spring 2015~~ Effective Fall 2022
- JPN 469 ~~Research Seminar in Japanese Literature and Culture (W)~~  
~~Japanese Literary and Cultural Studies II (W)~~  
Fall of every year. Spring of every year. 3(3-0) ~~P: (JPN 360) and completion of Tier I writing~~  
~~requirement~~ P: (JPN 369 or approval of department) and (JPN 300 or JPN 301 or approval of  
department) and Completion of Tier I Writing Requirement R: Open to juniors or seniors.  
Critical concepts and tools for analysis of discourses on Japanese culture and literature.  
Re-examination of the received notion of Japanese uniqueness through focused  
investigation of a specific foundational literary narrative in circulation via various cultural  
mediums in the twenty-first century. Taught in English and Japanese.  
~~Effective Spring 2015~~ Effective Fall 2022
- LIN 890 Independent Study  
Fall of every year. ~~Spring of every year. Spring of even years. Summer of every year. Summer of~~  
~~odd years. 1 to 4 credits. 1 to 6 credits.~~ A student may earn a maximum of 9 credits in all  
enrollments for this course. ~~R: Approval of department.~~ R: Open to graduate students. Approval of  
department.  
Special projects, directed reading, and research arranged by an individual graduate  
student and a faculty member in areas supplementing regular course offerings.  
~~Effective Summer 2005~~ Effective Spring 2022

### DEPARTMENT OF MANAGEMENT

ESHP 230 The Entrepreneurial Mindset  
Summer of every year. 3(2-0) ~~P: BUS 100~~ P: ESHP 190  
Components of entrepreneurship mindset. Steps in venture creation and idea generation.  
Methods for opportunity analysis and voice of consumer.  
~~SA: MKT 230, BUS 230~~ SA: BUS 230, MKT 230  
~~Effective Fall 2019~~ Effective Spring 2022

### DEPARTMENT OF MARKETING

MKT 250 Business Communication: Oral and Written Skills  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: Completion of Tier I Writing Requirement ~~R: Open to undergraduate students in the Business – Admitted major.~~ R: Open to sophomores or juniors in the Business – Admitted major.  
Communication skills including use of digital media, delivery mechanics, persuasive speaking, and preparation of executive briefs, memos, email messages.  
SA: MGT 250  
~~Effective Summer 2019~~ Effective Spring 2022

MKT 806 Marketing Research for Decision Making  
Spring of every year. 1 to 3 credits. ~~P: MBA 830 or approval of department~~ P: MBA 820 R: Open to master's students in the Marketing Research major and open to MBA students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department.  
Collection and analysis of marketing research data for marketing decision making. Focuses on marketing research methods for data collection and introductory data analysis.  
SA: MSC 806  
~~Effective Fall 2013~~ Effective Spring 2022

MKT 807 Consumer Insights  
Fall of every year. 1 to 3 credits. ~~P: MBA 830 or MKT 805 or approval of department~~ P: MKT 805 or MBA 820 or approval of department R: Open to master's students in the Marketing Research major and open to MBA students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department.  
Traditional and emerging research tools that organizations use to capture the voice of the customer. Application of behavioral science research in developing deep understanding of customers that can be used in developing marketing strategies, including segmentation, positioning, branding, advertising, customer satisfaction and loyalty.  
SA: MSC 807  
~~Effective Fall 2013~~ Effective Spring 2022

MKT 809 Pricing, Profitability and Marketing Metrics  
Spring of every year. 1.5(1.5-0) ~~P: MBA 830 or MKT 805~~ P: MKT 805 or MBA 820 RB: Prior course in managerial accounting at any level. R: Open to master's students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department.  
Design, management, and integration of pricing into the marketing mix and the revenue yield strategies of the firm. Analytic, empirical and simulation approaches to pricing.  
~~Effective Fall 2013~~ Effective Spring 2022

MKT 810 Open Innovation Management  
Fall of every year. 1 to 3 credits. ~~P: MKT 805 or MBA 830 or approval of department~~ P: MKT 805 or MBA 820 or approval of department R: Open to master's students in the Marketing Research major and open to MBA students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department.  
Development of new products ideas for service firms and physical good manufacturers using voice of the customer approaches, leveraging ideas from channel partners, and from frontline employees. Fuzzy front end of the innovation process.  
SA: MSC 810  
~~Effective Fall 2013~~ Effective Spring 2022

- MKT 811 Brand Insights  
Fall of every year. 1.5(1.5-0) ~~P: MBA 830~~ P: MBA 820 R: Open to MBA students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department.  
Brand strategy consumer and customer analysis, competitive brand analysis and brand planning.  
SA: MSC 811  
~~Effective Fall 2013~~ Effective Spring 2022
- MKT 817 Business Development and Sales Management  
Fall of every year. 1 to 3 credits. ~~P: MBA 830 or MKT 805 or approval of department~~ P: MKT 805 or MBA 820 or approval of department R: Open to master's students in the Marketing Research major and open to MBA students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department.  
Managing the sales operation of the firm. Planning, implementing, and controlling the personal selling function. Analysis of sales territories. Management of recruitment, selection, training, and motivation of sales personnel. Evaluation of sales performance.  
~~Effective Fall 2013~~ Effective Spring 2022
- MKT 862 Global Marketing  
Fall of every year. Spring of every year. 1 to 3 credits. ~~P: MBA 830 or MKT 805 or approval of department~~ P: MKT 805 or MBA 820 or approval of department R: Open to graduate students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department.  
Marketing strategies for global market expansion, global marketing planning and marketing program execution.  
~~Effective Fall 2015~~ Effective Spring 2022

### DEPARTMENT OF MATHEMATICS

- MTH 103 College Algebra  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) ~~P: (MTH 1825) or designated score on Mathematics Placement test~~ P: Designated score on Mathematics Placement test Not open to students with credit in MTH 116 or MTH 103B.  
Number systems; functions and relations; exponents and logarithms; elementary theory of equations; inequalities; and systems of equations.  
SA: LBS 117  
~~Effective Summer 2019~~ Effective Spring 2022
- MTH 116 College Algebra and Trigonometry  
Fall of every year. Spring of every year. Summer of every year. 5(5-0) ~~P: (MTH 1825) or designated score on Mathematics Placement test~~ P: Designated score on Mathematics Placement test Not open to students with credit in MTH 103.  
Functions and graphs. Equations and inequalities. Exponential and logarithmic functions. Trigonometric functions. Systems of equations. Binomial theorem.  
SA: LBS 117  
~~Effective Fall 2013~~ Effective Spring 2022

### DEPARTMENT OF MEDIA AND INFORMATION

- MI 477 ~~Character Design (W)~~  
Advanced 3D Character Modeling (W)  
Summer of every year. 3(2-2) ~~P: ((CAS 116 and MI 227 and MI 247) and completion of Tier I writing requirement) and (MI 347 or MI 377)~~ P: (MI 247) and completion of Tier I writing requirement R: Open to students in the Department of Media and Information.  
Theory and workflow of feature characters for games, movies, and television.  
~~Effective Fall 2020~~ Effective Summer 2022

### DEPARTMENT OF MICROBIOLOGY AND MOLECULAR GENETICS

- MMG 301      Introductory Microbiology  
Fall of every year. Spring of every year. ~~Summer of every year.~~ 3(3-0) ~~P: (BS 161 or LB 145 or BS 181H) and ((CEM 251 or concurrently) or (CEM 351 or concurrently) or (CEM 143 or concurrently))~~  
P: (BS 161 or LB 145 or BS 181H) and ((CEM 251 or concurrently) or (CEM 351 or concurrently) or (CEM 143 or concurrently) or (LB 271 or concurrently))  
Fundamentals of microbiology, including microbial structure and function, nutrition and growth, death and control. Importance and applications of major microbial groups.  
SA: MIC 301  
~~Effective Spring 2014~~ Effective Spring 2022
- MMG 365      Medical Microbiology  
Spring of every year. 3(3-0) Interdepartmental with Biomedical Laboratory Diagnostics. ~~P: (BS 161 and CEM 141) and (MMG 201 or MMG 301)~~ P: (BS 161 or LB 145) and (MMG 201 or MMG 301) and (CEM 141 or LB 171) Not open to students with credit in MMG 463.  
Laboratory diagnosis, disease and epidemiology of the most common bacterial, viral, fungal and parasitic pathogens and concepts in infectious disease control, prevention and treatment.  
~~Effective Spring 2018~~ Effective Spring 2022
- MMG 408      Advanced Microbiology Laboratory (W)  
Fall of every year. 3(1-6) P: (MMG 302 and (MMG 431 or concurrently)) and completion of Tier I writing requirement ~~R: Open to students in the Department of Microbiology and Molecular Genetics or in the Genetics Major or in the Environmental Biology/Microbiology Major or in the Microbiology Major.~~ R: Open to students in the Environmental Biology/Microbiology Major or in the Genomics and Molecular Genetics Major or in the Microbiology Major or in the Lyman Briggs Environmental/Biology/Microbiology Coordinate Major or in the Lyman Briggs Genomics and Molecular Genetics Coordinate Major or in the Lyman Briggs Microbiology Coordinate Major.  
Microbiological techniques and procedures to study physiology and genetics of bacteria and bacteriophages. Collection and critical assessment of quantitative data and written communication of results.  
SA: MPH 408  
~~Effective Spring 2014~~ Effective Spring 2022
- MMG 425      Microbial Ecology  
~~Fall of every year.~~ Spring of every year. 3(3-0) Interdepartmental with Crop and Soil Sciences. RB: MMG 301  
Microbial population and community interactions. Microbial activities in natural systems, including associations with plants or animals.  
SA: MPH 425  
~~Effective Spring 2014~~ Effective Spring 2022
- MMG 531      Medical Immunology  
Fall of every year. 2(2-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Basic principles of immunology. Overview of concepts and terminology in relation to human disease defenses.  
Request the use of the Pass-No Grade (P-N) system.  
~~Effective Fall 2013~~ Effective Spring 2022

### COLLEGE OF MUSIC

- MUS 873      ~~Early 20th Century Techniques~~  
Post-Tonal Techniques  
Fall of every year. 2(2-0) R: Open to graduate students in the College of Music.  
~~Melodic, harmonic, rhythmic, and textural devices employed in early twentieth century music.~~ Melodic, harmonic, motivic, rhythmic, and textural devices employed in music after 1900.  
~~Effective Fall 2019~~ Effective Spring 2022

- MUS 978 ~~Late 20th and 21st Century Techniques~~  
Analysis of Contemporary Music  
Spring of every year. 2(2-0) R: Open to graduate students in the College of Music.  
~~Study of theories and analytical techniques for post-WWII music. Survey of analytical~~  
approaches to contemporary classical music  
~~Effective Fall 2017~~ Effective Spring 2022

### COLLEGE OF NURSING

- NUR 936 Clinical Nurse Specialist Specialty Role Immersion I  
Fall of every year. 3(0-9) P: NUR 935 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.  
Clinical application of the essential knowledge, skills, and values associated with the student-selected specialized practice role of the Clinical Nurse Specialist.  
Request the use of the Pass-No Grade (P-N) system.  
~~Effective Fall 2018~~ Effective Spring 2022
- NUR 937 Clinical Nurse Specialist Specialty Role Immersion II  
Spring of every year. 3(0-9) P: NUR 936 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.  
Continuation of NUR 936. Capstone.  
Request the use of the Pass-No Grade (P-N) system.  
~~Effective Fall 2018~~ Effective Spring 2022

### COLLEGE OF OSTEOPATHIC MEDICINE

- OST 558 Pediatrics III  
Fall of every year. 1(1-0) R: Open to graduate students in the College of Osteopathic Medicine.  
~~Normal structure, function and pathologies of the behavioral, cardiovascular, hematopoietic and respiratory systems as they relate to the pediatric population. Ethical considerations in pediatrics.~~  
Normal structure, function, and pathologies of the behavioral, cardiovascular, and hematopoietic systems as they relate to the pediatric population.  
Request the use of the Pass-No Grade (P-N) system.  
~~Request the use of ET-Extension to postpone grading.~~  
~~The work for the course must be completed and the final grade reported within 3 semesters after the end of the semester of enrollment.~~  
~~Effective Fall 2020~~ Effective Spring 2022

### DEPARTMENT OF PLANT, SOIL AND MICROBIAL SCIENCES

- CSS 892B Ecological Food and Farming Systems Seminar  
Fall of every year. Spring of every year. 1 credit. Interdepartmental with Community, Agriculture, Recreation and Resource Studies.  
Experiential learning, and multidisciplinary and applied research, in ecological food and farming systems.  
DELETE COURSE  
Effective Spring 2021

### DEPARTMENT OF PLANT BIOLOGY

- PLB 415 Plant Physiology  
Spring of every year. 3(3-0) ~~P: (CEM 143 or CEM 251 or CEM 351) and (BS 161 or LB 145 or BS 481H)~~ P: (CEM 143 or CEM 251 or CEM 351 or LB 271) and (BS 161 or LB 145 or BS 181H)  
Principles of plant metabolism, growth, and development. Photosynthesis, water relations, nitrogen metabolism, and cell wall biosynthesis. Environmental and hormonal factors that control plant growth and development. Gene regulation and genetic engineering of plants.  
SA: PLB 414  
~~Effective Fall 2014~~ Effective Spring 2022

PLB 416L Plant Physiology Laboratory  
Spring of every year. 2(1-3) ~~P: (CEM 143 or CEM 351 or CEM 251) and (BS 161 or LB 145 or BS 181H) and (PLB 415 or concurrently) and (BS 171 or BS 191H or LB 145 or approval of department)~~ P: (CEM 143 or CEM 351 or CEM 251 or LB 271) and (BS 161 or LB 145 or BS 181H) and (PLB 415 or concurrently) and (BS 171 or BS 191H or LB 145 or approval of department)  
Experimental methods and experiment design in plant physiology and molecular biology, with emphasis in photosynthesis, water relations, plant growth, plant development, genetics and gene regulation. Communication of scientific information in written and graphical format.  
~~Effective Spring 2021~~ Effective Spring 2022

### **DEPARTMENT OF ROMANCE AND CLASSICAL STUDIES**

PRT 320 Advanced Portuguese  
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. ~~P: PRT 202 or PRT 250~~ P: PRT 250 or approval of department R: A student may earn a maximum of 6 credits  
~~Conversation, reading, and writing to develop proficiency: reading, listening, speaking and writing through a variety of cultural material.~~ Conversation, reading, and writing to develop proficiency: reading, listening, speaking and writing through a variety of cultural material. Topics will vary.  
~~Effective Fall 2020~~ Effective Spring 2022

PRT 350 Introduction to Literary Analysis (W)  
Fall of every year. Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: PRT 340 P: (PRT 320 or approval of department) and completion of Tier I writing requirement ~~RB: Completion of Tier I Writing Requirement~~ RB: PRT 340  
~~Reading and analysis of canonical poetry, drama, and prose of the Portuguese speaking world.~~ Reading and analysis of canonical poetry, drama, and prose of the Portuguese-speaking world. Topics will vary.  
~~Effective Spring 2015~~ Effective Spring 2022

### **DEPARTMENT OF SUPPLY CHAIN MANAGEMENT**

SCM 303 Introduction to Supply Chain Management  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) ~~R: Open to undergraduate students in the Accounting major or in the Finance Major or in the Human Resource Management Major or in the Management Major or in the Marketing Major or in the Business - Admitted major or in the Supply Chain Management Major or in the Applied Engineering Sciences Major.~~ R: Open to sophomores or juniors or seniors in the Accounting major or in the Finance Major or in the Human Resource Management Major or in the Management Major or in the Marketing Major or in the Business - Admitted major or in the Supply Chain Management Major or in the Applied Engineering Sciences Major.  
Objectives, processes, and functions of supply chain management activities including procurement, manufacturing, and logistics. The role of supply chain processes in creating competitive advantage with respect to quality, flexibility, lead-time, and cost.  
SA: MGT 303, MSC 303  
~~Effective Spring 2020~~ Effective Spring 2022