

**MICHIGAN STATE UNIVERSITY**

**Report of  
THE UNIVERSITY COMMITTEE ON CURRICULUM  
to the Faculty Senate  
January 14, 2020**

*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

January 14, 2020

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

January 14, 2020

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 **Bachelor of Arts** degree in **Interior Design** in the School of Planning, Design and Construction to the following. The University Committee on Undergraduate Education (UCUE) approved this request at its November 7, 2019 meeting.

a. Replace **Admission as a Junior with** the following:

**Admission**

The number of students admitted to the major in interior design is limited. To be considered for admission, a student must have:

1. Completed at least 28 credits.
2. An all-university grade-point average of 2.50 or better.
3. A grade-point average of 3.00 or better in the following courses: Interior Design 140, 142, 150, 152, and 240. Those courses are referenced in item 3. a. below in the Requirements for the Bachelor of Arts Degree in Interior Design.

In addition, transfer students must have previous design work evaluated by the department prior to placements in required courses.

Selective admissions are made at the end of spring semester for Michigan State University and transfer students from those students who have met the criteria referenced above and who have completed Interior Design 240. The final selection of students to be admitted to the major is based on the cumulative grade-point average of all courses taken and a grade-point average calculated for selected courses and portfolio review by faculty members.

b. Under the heading **Requirements for the Bachelor of Arts Degree in Interior Design** make the following changes:

(1) In item 3. a., change the total credits from '62' to '57' and delete the following courses:

ATD	231	Textile Materials	4
IDES	152	Interior Environments	4

Add the following course:

IDES	152	Interior Environments	3
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(2) Delete item 3. b. and reletter items 3. c., d., and e. respectively.

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

One of the following options, either (1), (2), or (3) (5 to 7 credits):

(1)	MTH	116	College Algebra and Trigonometry	5
(2)	MTH	103	College Algebra	3
	MTH	114	Trigonometry	3

(3)	MTH	103	College Algebra	3
	STT	200	Statistical Methods	3
		Or		
	STT	201	Statistical Methods	4

- (4) Change item 3. d. (1) to the following:

Any two History of Art courses at the 200-level or higher (6 to 9 credits)

Effective Fall 2020.

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

1. Establish a **Minor in Popular Culture Studies** in the Department of English. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its September 5, 2019 meeting.

a. **Background Information:**

The Department of English has a concentration in Popular Culture Studies, which provides the basis for this minor. We seek to establish a minor in order to make this program accessible to other majors, who may not be able to add a double major in English to their programs of study but nonetheless wish to have a credential in popular culture studies. The popular culture studies minor is distinct from the comics minor in that the latter focuses on comics as a medium or expressive form, whereas popular culture, while it may include comics in its scope, goes beyond comics into multiple media (film, television, fiction, poetry, social media, online forums, etc.) Students may find the two minors complementary. The minor also complements a range of majors in the Arts and Humanities, as well as Communication Arts and Sciences.

The minor draws on the extensive resources in MSU Libraries' Special Collections and other library collections (in, for instance, detective fiction, video games, comic art), offering students options to explore in depth the world-renowned resources available at MSU.

MSU's Department of English houses the *Journal of Popular Culture Studies* and has a strong faculty with significant national reputations in popular culture studies.

b. **Academic Programs Catalog Text:**

The Minor in Popular Culture Studies, which is administered by the Department of English, is designed to provide students opportunities for in-depth study of popular culture texts, trends, and topics across a range of media. The minor introduces critical approaches and methods of research in popular culture studies, as well as opportunities for practical experience with the *Journal of Popular Culture* or by engaging in scholarly conferences or public conference events that center on science fiction and fantasy, comics, gaming, and pop music. The minor draws on the extensive resources in MSU Libraries' Special Collections and other library collections such as detective fiction, video games, and comic art, offering students options to explore in depth the world-renowned resources available at MSU.

The minor is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University other than the Bachelor of Arts degree in English with a concentration in Popular Culture Studies. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor's degree.

Students who plan to apply to the program should consult the undergraduate advisor in the Department of English.

**Requirements for the Minor in Popular Culture Studies**

Complete a minimum of 16 credits from the following:

	CREDITS
1. All of the following courses (13 credits):	
ENG 142 Introduction to Popular Literary Genres	4
ENG 340 Theory and Methods of Popular Culture Studies	3
ENG 342 Readings in Popular Literary Genres	3
ENG 440 Seminar in Popular Culture Studies	3
2. A minimum of 3 credits from the following courses:	
ENG 308 Readings in Literature for Young Adults	3
ENG 324 Readings in Epic	3
ENG 325 Readings in Graphic Narrative	3
ENG 394 Popular Culture Experience	3
ENG 493 English Internship	1 to 3
FLM 255 Stars and Directors	3

Students who choose ENG 493 need to complete the internship with the *Journal of Popular Culture* or an approved sponsor.

Students may also choose an approved elective from the following courses when the topic includes sufficient content on popular culture. Students should consult with the academic advisor to confirm offered courses will fulfil the requirement. Additional courses may be available in other College of Arts and Letters units.

ENG 314	Readings in North American Literatures	3
ENG 315	Readings in British Literatures	3
ENG 316	Readings in Irish Literature and Culture	3
ENG 318	Readings in Shakespeare	3
ENG 319	Readings in Michigan Literature	3
ENG 326	Readings in Drama and Performance Studies	3
ENG 328	Readings in Novel and Narrative	3
ENG 329	Readings in Poetry and Poetics	3
ENG 350	Readings in African, African-American, or African Diaspora Literature	3
ENG 351	Readings in Chicano and Latino Literatures	3
ENG 352	Readings in Asian/Asian American/Asian Diaspora Literature and Visual Culture	3
ENG 353	Readings in Women Writers	3
ENG 354	Readings in Native American Literature	3
ENG 355	Readings in Sexuality and Literature	3
ENG 356	Readings in Jewish Literature	3

Effective Summer 2020.

2. Delete the curriculum and degree requirements for the **Disciplinary Teaching Minor in Latin**, available for secondary certification, in the Department of Romance and Classical Studies. The University Committee on Undergraduate Education (UCUE) provided consultative commentary to the Provost after considering this request at its September 5, 2019 meeting. The Provost made the determination to discontinue the program after considering the consultative commentary from the University Committee on Undergraduate Education.

No new students are to be admitted to the program effective Spring 2018. No students are to be readmitted to the program effective Spring 2018. Effective Spring 2019, coding for the program will be discontinued and the program will no longer be available in the College of Arts and Letters. Students who have not met the requirements for the Disciplinary Teaching Minor in Latin through the College of Arts and Letters prior to Spring 2019 will have to change their minor.

3. Change the requirements for the **Minor in Women’s and Gender Studies** in the Program in Women, Gender and Social Justice.
- a. Under the heading **Requirements for the Minor in Women’s and Gender Studies** make the following changes:
- (1) In item 2. under *Gender, Race, Ethnicity, and History* delete the following courses:
- |     |     |   |   |
|-----|-----|---|---|
| HST | 378 | Native Americans in North American History to 1830    | 3 |
| HST | 379 | Native Americans in North American History since 1830 | 3 |
| LIN | 225 | Language and Gender                                   | 3 |
| SOC | 322 | Sociology of Work                                     | 3 |
- Add the following course:
- |    |     |   |   |
|----|-----|---|---|
| WS | 203 | Introduction to Methods for Women’s and Gender Studies Research | 3 |
|----|-----|---|---|
- (2) In item 2. under *Sexuality and Conflict/Violence* delete the following courses:
- |     |     |  |   |
|-----|-----|--|---|
| LB  | 336 | Gender, Sexuality, Science, and Technology (W) | 4 |
| MC  | 395 | Cultural Dimensions of Public Affairs          | 4 |
| SOC | 215 | Race and Ethnicity                             | 3 |
- Add the following courses:
- |    |     |   |   |
|----|-----|---|---|
| MC | 482 | Gender and Violent Conflict                                     | 4 |
| WS | 203 | Introduction to Methods for Women’s and Gender Studies Research | 3 |
| WS | 424 | Seminar in Queer Studies  | 3 |
- (3) In item 2. under *Gender and the Arts and Humanities* delete the following courses:
- |     |     |   |   |
|-----|-----|---|---|
| HST | 378 | Native Americans in North American History to 1830    | 3 |
| HST | 379 | Native Americans in North American History since 1830 | 3 |
- (4) In item 2. under *Gender Applied: Health, Urban, and Public Policy* delete the following courses:
- |     |     |  |   |
|-----|-----|--|---|
| ANP | 435 | Issues in Latino Health: Theory and Method in Minority Health Research | 3 |
| EEP | 453 | Women and Work: Issues and Policy Analysis                             | 3 |
| FW  | 211 | Introduction to Gender and Environmental Issues                        | 3 |
- Add the following course:
- |    |     |   |   |
|----|-----|---|---|
| WS | 203 | Introduction to Methods for Women’s and Gender Studies Research | 3 |
|----|-----|---|---|

(5) In the optional track for students in the College of Social Science make the following changes:

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

WS	492	Advanced Seminar in Women's and Gender Studies (W)	4
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Add the following course:

WS	491	Special Topics	3
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Effective Fall 2020.

### **COLLEGE OF COMMUNICATION ARTS AND SCIENCES**

1. Change the requirements for the **Bachelor of Science** degree in **Advertising Management** in the Department of Advertising and Public Relations.

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

(1) in item 3. b. delete the following courses:

ADV	325	Public Relations Techniques and Ethics	3
ADV	425	Public Relations Strategy	3
BUS	190	The Art of Starting	3

Add the following courses:

ESHP	190	The Art of Starting	3
PR	325	Intermediate Social Media and Public Relations Techniques	3
PR	425	Public Relations Strategy and Ethics in a Digital World	3

Effective Summer 2020.

### **COLLEGE OF EDUCATION**

1. Establish a **Graduate Certificate** in **Teacher Leadership** in the Department of Teacher Education. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its September 9, 2019 meeting.

*The Graduate Certificate in Teacher Leadership is a Type 2 graduate certificate and will appear on the transcript as "Graduate Certificate Program in Teacher Leadership".*

a. **Background Information:**

The proposed graduate certificate in Teacher Leadership was initially precipitated by the Michigan Department of Education's announcement of a new Michigan Advanced Professional Education Certificate that could be earned by practicing teachers in K-12 schools interested in contributing as leaders in their school communities. Students who earn the Michigan State University Graduate Certificate in Teacher Leadership would simultaneously work toward earning the Michigan Advanced Professional Education Certificate through the Michigan Department of Education.

MSU already has the capacity and curricular structure to offer this certificate program, including faculty and course work already housed in the Department of Teacher Education and the Educational Administration departments.

Students will be able to employ understandings and strategies for serving as leaders at the elementary or secondary level in a K-12 setting. The supporting objectives, in line with State of Michigan standards are: to prepare well qualified teacher leaders for Michigan and beyond; to provide relevant, online programming options for educators interested in building expertise in teacher leadership; to provide an opportunity for current teachers to qualify for two distinctions, the Michigan Advanced Professional Education Certificate through the Michigan Department of Education and the MSU Graduate Certificate in Teacher Leadership; to provide a possible pipeline for new students for the K-12 Educational Administration certification pathway program; and to provide a possible pipeline for doctoral students.

The program fits well with the philosophy and goals of the Department of Teacher Education.

b. **Academic Programs Catalog Text:**

The Graduate Certificate in Teacher Leadership prepares well-qualified teacher leaders for Michigan and beyond by providing relevant, online programming options for educators interested in building expertise in teacher leadership. Students who successfully complete the certificate will qualify for a Michigan Advanced Professional Education Certificate from the Michigan Department of Education. The certificate is available only online and is available to graduate students at Michigan State University. Student who wish to complete the certificate must complete the Intent to Enroll form on the program Web site.

**Requirements for the Graduate Certificate in Teacher Leadership**

	CREDITS
Students must complete 12 credits from all the following:	
EAD 822 Engaging Diverse Students and Families	3
EAD 824 Leading Teacher Learning	3
TE 808 Inquiry into Classroom Teaching and Learning	3
TE 812 Teacher Leadership in Practice	3

Effective Summer 2020.

**COLLEGE OF NURSING**

1. Change the requirements for the **Master of Science in Nursing** degree in **Nursing**. The University Committee on Graduate Studies (UCGS) approved this request at its November 11, 2019 meeting.

*The concentrations in the Master of Science in Nursing degree in Nursing are noted on the student's academic record when the requirements for the degree have been completed.*

- a. Under the heading **Admission** make the following change:

- (1) Replace item 5. with the following:

Completed a 3-credit undergraduate statistics course with a grade of 2.0 (4.0 scale) or better within the last five years or completed a 3-credit graduate statistics course with a grade of 3.0 (4.0 scale) or better within the last five years.

Effective Fall 2020.



2. Change the requirements for the **Doctor of Nursing Practice** degree in **Nursing Practice**. The University Committee on Graduate Studies (UCGS) approved this request at its November 11, 2019 meeting.

*The concentrations in the Doctor of Nursing Practice degree in Nursing Practice are noted on the student's academic record when the requirements for the degree have been completed.*

- a. Under the heading **Admission** replace item . With the following:

Completed a 3-credit undergraduate statistics course with a grade of 2.0 (4.0 scale) or better within the last five years or completed a 3-credit graduate statistics course with a grade of 3.0 (4.0 scale) or better within the last five years.

- b. Under the heading **Admission to the Post-Master's Degree** replace paragraph one with the following:

To be considered for admission to the Doctor of Nursing Practice, post-master's entry program, an applicant must:

1. Submit a university application for admission and a curriculum vita or resume.
2. Complete a Master of Science of Nursing degree from an accredited college or university.
3. Possess a current unrestricted license to practice nursing as a registered nurse in the applicant's state or country. For those applicants practicing in Michigan, a current registered nurse Michigan license is required. Applicants who hold registered nurse licensure from other states or countries and who are in the Nurse Practitioner and Anesthesia concentrations may be admitted provisionally with the requirement that a United States and Michigan registered nurse license must be obtained prior to progression.
4. Possess current certification from a U.S. National Certifying Board as an NP, CRNA, CNS or CNM .
5. A minimum grade-point average of 3.0 (4.0) scale for total credits completed during the master's program.
6. Complete a 3-credit undergraduate statistics course with a grade of 2.0 (4.0 scale) or better within the last five years or complete a 3-credit graduate statistics course with a grade of 3.0 (4.0 scale) or better in the last 5 years.
7. Submit a written essay that addresses the applicant's career goals and motivations for doctoral study.
8. Submit three letters of recommendation. The reference letters must be from a source that has direct knowledge of the applicant's work and educational experience specifying the applicant's ability to do doctoral work.
9. Complete an admission interview with the College of Nursing faculty. Recommendations for admission are made by the faculty committee to the Dean of the College based on requirements for admission and the personal interview.
10. If the applicant's native language is not English, the applicant must complete the Test of English as a Foreign Language (TOEFL) with a minimum average score of 550, no subscore below 52 on the paper-based test (PBT). If the applicant completes the Internet-based test (iBT), no subscore below 19 for reading, listening, and speaking; no writing subscore below 22 and a minimum average score of 80. Applicants should have all test scores sent from the testing agency directly to Michigan State University Office of Admissions.

Students will have an option to complete an additional APRN specialty if requested, and be admitted to a concentration.

Effective Fall 2020.

### COLLEGE OF SOCIAL SCIENCE

1. Change the requirements for the **Bachelor of Science** degree in **Urban and Regional Planning** in the School of Planning, Design and Construction. The University Committee on Undergraduate Education approved this request at their November 7, 2019 meeting.
  - a. Delete the **Admission as a Junior** statement.
  - b. Under the heading **Requirements for the Urban and Regional Planning Degree**, make the following changes:
    - (1) In item 3. a. change the total credits from “30” to “35”.
    - (2) In item 3. a. add the following courses:

PDC	120	Planning and Design Digital Graphics	2
UP	400	Special Topics in Urban Planning	3
    - (3) Delete item 3. b.

Effective Summer 2020.

### COLLEGE OF VETERINARY MEDICINE

1. Delete the curriculum and degree requirements for the **Graduate Specialization in Food Safety** in the College of Veterinary Medicine. The University Committee on Graduate Studies (UCGS) provided consultative commentary to the Provost after considering this request at its September 9, 2019 meeting. The Provost made the determination to discontinue the program after considering the consultative commentary from the University Committee on Graduate Studies.

No new students are to be admitted to the program effective Spring 2019. No students are to be readmitted to the program effective Spring 2019. Effective Fall 2019, coding for the program will be discontinued and the program will no longer be available in the College of Veterinary Medicine. Students who have not met the requirements for the Graduate Specialization in Food Safety through the College of Veterinary Medicine prior to Fall 2019 will have to change their major.
2. Delete the curriculum and degree requirements for the **Graduate Certificate in Food Safety and Toxicology** in the College of Veterinary Medicine. The University Committee on Graduate Studies (UCGS) provided consultative commentary to the Provost after considering this request at its September 9, 2019 meeting. The Provost made the determination to discontinue the program after considering the consultative commentary from the University Committee on Graduate Studies.

No new students are to be admitted to the program effective Spring 2019. No students are to be readmitted to the program effective Spring 2019. Effective Summer 2019, coding for the program will be discontinued and the program will no longer be available in the College of Veterinary Medicine. Students who have not met the requirements for the Graduate Certificate in Food Safety and Toxicology through the College of Veterinary Medicine prior to Summer 2019 will have to change their major.

## **PART II - NEW COURSES**

### **DEPARTMENT OF ANIMAL SCIENCE**

- ANS 804 Introduction to Quantitative Genetics  
Fall of every year. 3(3-0) RB: (ANS 314) and ((STT 200 or STT 201) or equivalent) Not open to students with credit in ANS 404.  
Theories and applications of quantitative genetics. Mutations, recombination, selection, and their roles in shaping genetic variation and covariance in idealized and finite populations.  
Effective Fall 2019
- ANS 870 Mixed Models for Animal Breeding and Genetics  
Fall of even years. 3(3-0) P: STT 814 or approval of department  
Best linear unbiased prediction of genetic merit in out-breeding populations using likelihood-based and hierarchical methods.  
Effective Fall 2020
- ANS 924 Advanced Methods in Quantitative Genomics  
Spring of every year. 3(2-2) RB: ANS 824  
Artificial Intelligence applied to genomics, sequence and RNAseq analyses, gene enrichment and functional genomics, population genetics and phylogenetics with applications in livestock.  
Effective Spring 2020

### **DEPARTMENT OF ART, ART HISTORY, AND DESIGN**

- HA 801 Art Theory  
Fall of every year. 3(3-0) A student may earn a maximum of 3 credits in all enrollments for this course. R: Open to graduate students in the College of Arts and Letters or in the Department of Art, Art History, and Design or in the Master of Fine Arts in Studio Art or approval of department.  
Introduction to key debates in the theory of art, especially as it pertains to contemporary art and design practice.  
Effective Fall 2020
- HA 802 Research Methods for Artists and Designers  
Spring of every year. 3(3-0) A student may earn a maximum of 3 credits in all enrollments for this course. R: Open to graduate students in the College of Arts and Letters or in the Department of Art, Art History, and Design or in the Master of Fine Arts in Studio Art or approval of department.  
Methods of research as used by contemporary artists and designers, explored through artistic case studies, practical sessions and projects.  
Effective Spring 2021

### **COLLEGE OF COMMUNICATION ARTS AND SCIENCES**

- CAS 890 Independent Study  
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to master's students in the College of Communication Arts and Sciences. Approval of college.  
Independent research under faculty direction  
Effective Summer 2020

### **DEPARTMENT OF ENGLISH**

- ENG 394 Popular Culture Experience  
On Demand. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. P: (ENG 340 or ENG 342) and completion of Tier I writing requirement R: Not open to freshmen and open to undergraduate students in the English Major. Open to students in the Minor in Popular Culture Studies.  
Experiential learning in popular culture studies through cooperative activities with a cultural organization, investigating community through a creative process, and /or working closely with a community organization dedicated to a specific cultural project  
Request the use of the Pass-No Grade (P-N) system.  
Effective Spring 2020

### **DEPARTMENT OF ENTOMOLOGY**

- ENT 451 Insect Physiology  
Spring of even years. 3(3-0) Interdepartmental with Integrative Biology. P: BS 161 or LB 145 or ENT 404  
Structure/function of insect physiological systems. Molecular mechanisms underlying insect development. Physiological evolution in insects.  
Effective Fall 2019
- ENT 802 Nature and Practice of Science  
Spring of every year. 2(2-0) R: Open to graduate students in the College of Agriculture and Natural Resources and open to graduate students in the College of Natural Science or approval of department.  
Exploration of the nature of the scientific endeavor and how individual scientists can become more successful in its practice.  
SA: NSC 830  
Effective Spring 2020

### **DEPARTMENT OF FISHERIES AND WILDLIFE**

- FW 446 Innovations for Conservation  
Spring of every year. 4(4-0) P: WRA 101 R: Open to sophomores or juniors or seniors.  
Principles of applied conservation practice. Innovations, implementation, and evaluation of solutions for global problems in conservations.  
Effective Fall 2019

### **DEPARTMENT OF LINGUISTICS AND GERMANIC, SLAVIC, ASIAN AND AFRICAN LANGUAGES**

- LIN 226 Language and the Animals  
Spring of every year. Summer of every year. 3(3-0)  
Interdisciplinary methods and approaches to understand language and cognitive capacities of animals and humans. Considers our preconceived or received notions (folk understandings) of animals in comparison to findings from recent scientific studies.  
Effective Fall 2020
- LIN 499E Senior Thesis for Experiential Learning  
Fall of every year. Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement R: Open to seniors. Approval of department.  
Individual research project supervised by a faculty member. Conduct independent research. Prepare an undergraduate thesis. Present at a conference or other public forum.  
Effective Spring 2020

### **DEPARTMENT OF OSTEOPATHIC MEDICAL SPECIALTIES**

- IM 619            Readiness for Residency: A Simulation Based Competency Skills Assessment  
Spring of every year. 3(2-2) RB: Years 1-4 of curriculum for MSUCOM R: Open to graduate-  
professional students in the College of Osteopathic Medicine.  
A simulation and classroom based rotation to assess procedural and communication  
skills.  
Request the use of the Pass-No Grade (P-N) system.  
Effective Spring 2020

### **COLLEGE OF OSTEOPATHIC MEDICINE**

- OST 402            Introduction to Global Health  
On Demand. 3(3-0)  
Introductory topics in global health.  
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
- OST 832            Independent Study in United States Health Systems  
On Demand. 1 to 3 credits.  
Independent study in areas relevant to the United States Health Systems.  
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

### **DEPARTMENT OF TEACHER EDUCATION**

- TE 812            Teacher Leadership in Practice  
Fall of every year. 3(3-0) P: TE 808 or concurrently RB: Students with prior or current experience  
teaching in K-12 schools will be best served by this course. R: Open to graduate students or  
lifelong graduate students. Approval of department.  
Teacher leadership through fieldwork in school contexts. Research on teacher leadership  
and leadership theory.  
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 2019

## **PART III – COURSE CHANGES**

### **DEPARTMENT OF AGRICULTURAL, FOOD, AND RESOURCE ECONOMICS**

- AFRE 900B Applied Microeconomics II  
Spring of every year. 3 credits. ~~P: AFRE 900A~~ P: (AFRE 805 or EC 812A) and (AFRE 835 or EC 820A)  
Extended empirical analysis of microeconomic problems with emphasis on applications to agriculture, natural resources, and the food sector.  
SA: AEC 900B  
~~Effective Summer 2015~~ Effective Spring 2020

### **DEPARTMENT OF ANIMAL SCIENCE**

- ANS 824 ~~Methods of Quantitative and Molecular Genetics for Livestock~~  
~~Methods in Quantitative Genomics~~  
~~Fall of every year. Spring of odd years. 3(2-2) RB: ANS 404 RB: ANS 314~~  
Quantitative and molecular methods for animal geneticists. Identification and evaluation of molecular markers, genome maps, linkage and segregation analyses, optimal mating designs, and marker quantitative trait loci associations in livestock species. Storage, processing and analysis of genotypic and phenotypic data using R. Basic R programming and R tools for genomic analyses. Genome-wide association studies and genomic prediction.  
~~Effective Spring 1999~~ Effective Summer 2020

### **DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY**

- BMB 101 Frontiers in Biochemistry  
Fall of every year. 1(1-0) ~~R: Open to freshmen or sophomores.~~ R: Open to freshmen or sophomores in the Biochemistry and Molecular Biology/Biotechnology Major or in the Biochemistry and Molecular Biology major or in the Lyman Briggs Biochemistry and Molecular Biology Coordinate Major or in the Lyman Briggs-Biochemistry/Biotechnology Coordinate Major or approval of department.  
~~Topics in biochemistry research.~~ Introduction to topics in biochemistry, career paths, professional development, and campus resources.  
SA: BCH 101, BMB 100  
~~Effective Summer 2014~~ Effective Fall 2020
- BMB 462 Advanced Biochemistry II  
Fall of every year. Spring of every year. 3(3-0) ~~P: BMB 461 or BMB 401~~ P: (BMB 461 or BMB 401) and (BS 161 or BS 181H or LB 145) and ((BS 162 or concurrently) or (BS 182H or concurrently) or (LB 144 or concurrently)) and (CEM 252 or CEM 352) RB: LB 118 or MTH 132 or MTH 152H  
Continuation of BMB 461. Structure, function, and biophysical properties of lipids and nucleic acids including membranes, lipid metabolism, signaling and metabolic regulation, DNA replication and repair, transcription, translation, and regulation of gene expression.  
SA: BCH 462  
~~Effective Summer 2014~~ Effective Spring 2020

### DEPARTMENT OF CHEMISTRY

- CEM 141 General Chemistry  
Fall of every year. Spring of every year. Summer of every year. 4(4-0) ~~P: ((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 concurrently)) or designated score on Mathematics Placement test~~ 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  
Elements and compounds; reactions; stoichiometry; thermochemistry; atomic structure; chemical bonding; states of matter; solutions; acids and bases; aqueous equilibria.  
~~Effective Fall 2017~~ Effective Spring 2020
- CEM 495 Molecular Spectroscopy  
Fall of every year. ~~2(1-4)~~ 3(1-4) ~~P: (CEM 483 or CEM 484) and (CEM 395 or CEM 400) and (CEM 262 and completion of Tier I writing requirement)~~ P: (CEM 483 or concurrently) and (CEM 395 or CEM 499) and (CEM 262 and completion of Tier I writing requirement)  
~~Experiments in magnetic resonance, optical, and vibrational spectroscopies. Experiments in electronic and vibrational spectroscopies.~~  
SA: CEM 472  
~~Effective Fall 2015~~ Effective Summer 2020

### DEPARTMENT OF ENGLISH

- ENG 340 Theory and Methods of Popular Culture Studies  
Spring of every year. 3(3-0) ~~P: ((ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) and (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218)) or (ENG 210 or ENG 211H or (ENG 320A or concurrently) or (ENG 320B or concurrently) or (ENG 320C or concurrently))~~ P: ((ENG 142) and completion of Tier I writing requirement) or ((ENG 320A or concurrently) or (ENG 320B or concurrently) or (ENG 320C or concurrently)) RB: Six credits of literature R: Not open to freshmen.  
Examination of the theories and methods of studies in popular culture.  
~~Effective Spring 2017~~ Effective Spring 2020

### COLLEGE OF ENGINEERING

- EGR 811 Foundations of Engineering Education  
Fall of every year. 3(3-0) RB: Teaching experience (e.g. TA) and interest in becoming a higher education faculty member as a career. ~~R: Open to graduate students in the College of Engineering. Approval of department.~~ R: Open to graduate students in the College of Engineering.  
Introduces the theoretical foundations of engineering education, student learning theories, educational research, and instructional design. How to effectively teach, manage, and assess student performance.  
~~Effective Fall 2014~~ Effective Fall 2020

### DEPARTMENT OF ENTOMOLOGY

- ~~ENT 364~~  
ENT 264 Turfgrass Entomology  
Fall of every year. 3(2-2) ~~P: CSS 232~~  
~~Life history, identification, and collection of turfgrass insects. Cultural biological and insecticide control. Principles of pest management.~~ Life history, identification, and collection of turfgrass insects. Cultural, biological and insecticide control. Principles of pest management.  
SA: ~~CSS 362~~ SA: CSS 362, ENT 364  
~~Effective Fall 2013~~ Effective Summer 2020

**DEPARTMENT OF HUMAN DEVELOPMENT AND FAMILY STUDIES**

HDFS 910 Contemporary Couple and Family Therapy Theories  
~~Fall of odd years.~~ Fall of even years. 3(3-0)  
Emerging theories and issues related to couple and family therapy. Review of evidence based family-based interventions.  
~~Effective Summer 2017~~ Effective Spring 2020

**SCHOOL OF HUMAN RESOURCES AND LABOR RELATIONS**

HRLR 315 Research Methods and Analysis  
Fall of every year. Spring of every year. 3(3-0) P: STT 200 or STT 201  
Social science research methodology and analysis techniques as applied to human capital issues.  
~~Effective Fall 2017~~ Effective Summer 2020

HRLR 410 Voice and Democracy at Work  
Fall of every year. Spring of every year. 3(3-0) P: HRLR 313 or HRLR 314  
Collective action by workers. Worker voice and democracy within and outside of work organizations. Historical and current examples.  
~~Effective Spring 2020~~ Effective Summer 2020

HRLR 816 Organizational Development and Change  
~~Fall of every year.~~ Spring of every year. 3(3-0) P: HRLR 813 R: Open to graduate students in the School of Human Resources and Labor Relations or approval of school.  
General systems and organizational behavior theories in organizational development and change.  
SA: LIR 826  
~~Effective Summer 2013~~ Effective Summer 2020

HRLR 818 Leadership  
~~Fall of every year.~~ Spring of every year. 3(3-0) R: Open to graduate students in the School of Human Resources and Labor Relations or approval of school.  
Leadership theories relevant to human resources.  
~~Effective Spring 2014~~ Effective Summer 2020

HRLR 819 Negotiation and Conflict Resolution  
~~Fall of every year.~~ Spring of every year. 3(3-0) P: HRLR 813 or HRLR 858 R: Open to graduate students in the School of Human Resources and Labor Relations or approval of school.  
Negotiation and conflict resolution in the employment relationship. Use of experiential simulations to develop bargaining styles and interpersonal process skills.  
SA: LIR 860  
~~Effective Summer 2013~~ Effective Summer 2020

HRLR 821 Talent Acquisition and Deployment  
~~Fall of every year.~~ Spring of every year. 3(3-0) P: HRLR 820 R: Open to graduate students in the School of Human Resources and Labor Relations or approval of school.  
~~Process by which organizations acquire, retain and deploy the organization's workforce. Planning, recruiting, selecting, placing, managing turnover and evaluation.~~ Process by which organizations acquire, retain, and deploy the organization's workforce. Planning, recruiting, selecting, placing, and managing turnover and evaluation.  
~~Effective Spring 2014~~ Effective Summer 2020

HRLR 822 Training and Development  
~~Fall of every year.~~ Spring of every year. 3(3-0) R: Open to graduate students in the School of Human Resources and Labor Relations or approval of school.  
Human resource training and development. Design, administration needs assessment, delivery, evaluation.  
SA: LIR 811  
~~Effective Summer 2013~~ Effective Summer 2020



- HRLR 854 Comparative Employment Relations  
~~Fall of every year.~~ Spring of every year. 3(3-0) P: HRLR 858 or HRLR 863 R: Open to graduate students in the School of Human Resources and Labor Relations or approval of school.  
Institutional networks of industrial relations and human resource systems in various countries.  
SA: LIR 854  
~~Effective Summer 2013~~ Effective Summer 2020
- HRLR 855 International Human Resources  
Fall of every year. ~~Spring of every year.~~ 3(3-0) P: HRLR 820 R: Open to graduate students in the School of Human Resources and Labor Relations or approval of school.  
Role and functions of human resources in global organizations.  
~~Effective Summer 2014~~ Effective Summer 2020
- HRLR 858 Collective Bargaining  
Fall of every year. Spring of every year. ~~Summer of every year.~~ 3(3-0) R: Open to graduate students in the School of Human Resources and Labor Relations or approval of school.  
Theory and practice of collective bargaining. Wages, benefits, seniority, grievances, arbitration, and labor-management committees. Legal, economic, technological, and historical contexts.  
SA: LIR 858  
~~Effective Summer 2013~~ Effective Summer 2020
- HRLR 863 Labor Law  
Fall of every year. ~~Spring of every year.~~ 3(3-0) R: Open to graduate students in the School of Human Resources and Labor Relations or approval of school.  
Legal framework for contract negotiations and administration. National Labor Relations Act as amended. Right to organize and undertake concerted activity. Strikes and lockouts. Unfair labor practices.  
SA: LIR 863  
~~Effective Summer 2013~~ Effective Summer 2020

### DEPARTMENT OF PHYSICS AND ASTRONOMY

- PHY 231 Introductory Physics I  
Fall of every year. Spring of every year. 3(4-0) ~~P: MTH 114 or MTH 116 or MTH 124 or (MTH 132 or concurrently) or (MTH 152H or concurrently) or (LB 118 or concurrently)~~ P: MTH 114 or MTH 116 or MTH 124 or (MTH 132 or concurrently) or (MTH 152H or concurrently) or LB 117 or (LB 118 or concurrently) ~~Not open to students with credit in LB 273 or PHY 183 or PHY 183B or PHY 193H or PHY 231C.~~ Not open to students with credit in LB 273 or PHY 183 or PHY 183B or PHY 193H or PHY 231C or PHY 241.  
Mechanics, Newton's Laws, momentum, energy, conservation laws, thermodynamics, waves, sound.  
~~Effective Fall 2014~~ Effective Fall 2020
- PHY 231C Introductory Physics I  
Fall of every year. Spring of every year. Summer of every year. 3 credits. ~~P: MTH 114 or MTH 116 or MTH 124 or (MTH 132 or concurrently) or (MTH 152H or concurrently) or (LB 118 or concurrently)~~ P: MTH 114 or MTH 116 or MTH 124 or (MTH 132 or concurrently) or (MTH 152H or concurrently) or LB 117 or (LB 118 or concurrently) ~~RB: MTH 116 Not open to students with credit in LB 273 or PHY 183 or PHY 183B or PHY 193H or PHY 231.~~ Not open to students with credit in LB 273 or PHY 183 or PHY 183B or PHY 193H or PHY 231 or PHY 241.  
Mechanics, Newton's Laws, momentum, energy, conservation laws, thermodynamics, waves, sound. This course is an internet based course.  
~~Effective Fall 2014~~ Effective Fall 2020

- PHY 251      Introductory Physics Laboratory I  
Fall of every year. Spring of every year. Summer of every year. 1(0-2) ~~P: (PHY 183 or concurrently) or (PHY 183B or concurrently) or (PHY 193H or concurrently) or (PHY 231 or concurrently) or (PHY 231C or concurrently)~~ P: (PHY 183 or concurrently) or (PHY 183B or concurrently) or (PHY 193H or concurrently) or (PHY 231 or concurrently) or (PHY 231C or concurrently) or (PHY 241 or concurrently) RB: MTH 103 Not open to students with credit in LB 273 or PHY 191.  
Laboratory exercises involving simple mechanical systems.  
~~Effective Fall 2013~~ Effective Spring 2020
- PHY 252      Introductory Physics Laboratory II  
Fall of every year. Spring of every year. Summer of every year. 1(0-2) ~~P: (PHY 251 or PHY 101 or LB 273) and ((PHY 232 or concurrently) or (PHY 232C or concurrently) or (PHY 184 or concurrently) or (PHY 184B or concurrently) or (PHY 204H or concurrently))~~ P: (PHY 251 or PHY 191 or LB 273) and ((PHY 184 or concurrently) or (PHY 184B or concurrently) or (PHY 232 or concurrently) or (PHY 232C or concurrently) or (PHY 242 or concurrently) or (PHY 294H or concurrently)) Not open to students with credit in LB 274 or PHY 192.  
Laboratory exercises involving simple electromagnetic and optical systems.  
~~Effective Fall 2013~~ Effective Spring 2020

### **SCHOOL OF PLANNING, DESIGN AND CONSTRUCTION**

- CMP 211      Building Codes  
Spring of every year. 3(3-0) P: CMP 124 or concurrently C: CMP 210 concurrently.  
Construction codes: structural, mechanical, electrical, and plumbing. Building safety and accessibility.  
SA: BCM 211  
DELETE COURSE  
Effective Spring 2020
- IDES 140      Design for Living  
Fall of every year. ~~Spring of every year.~~ Summer of every year. 3(3-0)  
Interior design from the human ecological perspective. The reciprocal impact of the designed environment on human behavior, design terminology, and the design process.  
SA: HED 140  
~~Effective Summer 2013~~ Effective Spring 2020
- IDES 152      Interior Environments  
Fall of every year. ~~4(4-0)~~ 3(3-0)  
Interior design fundamentals and human behavior. Space planning, furnishing, and selection of materials and components for residential and commercial interiors.  
SA: HED 152  
~~Effective Summer 2013~~ Effective Fall 2020
- IDES 240      Computer-Aided Design for Designers  
Fall of every year. ~~Spring of every year.~~ Summer of every year. 3(1-4)  
Introduction to computer-aided design applications.  
SA: HED 240  
~~Effective Summer 2013~~ Effective Spring 2020
- IDES 340      Interior Design Specifications and Workroom Practices  
Fall of every year. ~~3(2-2)~~ 3(3-0) P: (IDES 252) and completion of Tier I writing requirement R: Approval of department.  
Specifications and workroom practices used for fabrication and installation of design solutions for interior spaces.  
SA: HED 340  
~~Effective Summer 2013~~ Effective Spring 2020

- IDES 393 Introduction to Professional Practice  
~~Fall of every year.~~ Spring of every year. 1(1-0)  
Introduction to the design profession and its opportunities, focusing on career planning and preparation.  
Request the use of the Pass-No Grade (P-N) system.  
SA: HED 393  
~~Effective Summer 2013~~ Effective Spring 2020
- IDES 456 Historic Preservation and Sustainability  
Fall of every year. Summer of every year. ~~3(2-2)~~ 3(3-0) RB: IDES 140 or IDES 142 or IDES 150 or IDES 152 R: ~~Open to seniors in the Interior Design Major.~~ R: Open to students in the Interior Design Major.  
The interior design component of the preservation movement. Historic restoration and adaptive reuse.  
SA: HED 456  
~~Effective Summer 2014~~ Effective Spring 2020
- UP 314 Methods for Investigation of Urban Systems  
Spring of every year. 4(3-2) Interdepartmental with Geography. ~~P: UP 201 and CSE 101 and STT 204~~  
Models, approaches, and techniques for urban and regional problem analysis, research, program evaluation, and project management. Application of related computer software.  
~~Effective Fall 2013~~ Effective Spring 2020
- UP 400 Special Topics in Urban Planning  
Fall of every year. Spring of every year. 2 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. ~~P: Completion of Tier I writing requirement. R: Open to juniors or seniors or graduate students in the Urban and Regional Planning Major.~~  
Issues and problems in contemporary urban planning.  
~~Effective Fall 2013~~ Effective Summer 2020
- UP 433 Introduction to Environmental Planning  
Fall of every year. 4(4-0) ~~P: UP 201 or approval of school R: Open to juniors and open to seniors in the Urban and Regional Planning major and open to graduate students in the Master in Urban and Regional Planning or approval of school.~~  
Nature and magnitude of contemporary environmental issues. Political, social and cultural forces that influence environmental policy and planning. Processes and tools available to planning professionals.  
~~Effective Fall 2014~~ Effective Spring 2020
- UP 454 Local Economic Planning  
Fall of every year. 3(3-0) ~~P: (UP 353 or concurrently) and EC 201 RB: UP 201 R: Open to seniors in the College of Social Science.~~ R: Open to seniors or juniors in the College of Social Science.  
The economic component of comprehensive community planning. Taxation and services delivery. Fiscal health and physical and social development of a community.  
SA: UP 354  
~~Effective Fall 2013~~ Effective Spring 2020

### **DEPARTMENT OF STATISTICS AND PROBABILITY**

- STT 231 Statistics for Scientists  
Fall of every year. Spring of every year. Summer of every year. ~~3(3-0)~~ 3(4-0) P: MTH 124 or MTH 132 or MTH 152H or LB 118 R: Open to students in the College of Natural Science and open to students in the Lyman Briggs College.  
Calculus-based course in probability and statistics. Probability models, and random variables. Estimation, confidence intervals, tests of hypotheses, and simple linear regression with applications in sciences.  
SA: STT 331  
~~Effective Fall 2014~~ Effective Fall 2019