

**MICHIGAN STATE UNIVERSITY**

**Report of**  
**THE UNIVERSITY COMMITTEE ON CURRICULUM**  
**to the Faculty Senate**  
**Actions by UCC**  
**October 24, 2024**

*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 24, 2024

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.
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 24, 2024

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. Establish a **Minor in Landscape Horticulture** in the Department of Horticulture. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its October 10, 2024 meeting.

a. **Background Information:**

The Minor in Landscape Horticulture will provide students in other majors the opportunity to take courses specifically tailored to enhancing their skills in landscape design, construction and maintenance. This will provide a pathway for students who are not interested in the plant production courses required in the horticulture minor.

b. **Academic Programs Catalog Text:**

The minor is designed to provide students with an understanding of the materials and processes used to design, construct and maintain landscapes.

The minor is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University with the exception of majors in Horticulture. The minor is administered by The Department of Horticulture.

With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the requirements for the minor may also be used to satisfy the requirements for the bachelor's degree.

**Requirements for the Minor in Landscape Horticulture**

CREDITS

Students must complete a minimum of 17 credits from the following:

HRT	211	Landscape Plants I	3
HRT	212	Landscape Plants II	3
HRT	213	Landscape Maintenance	2
HRT	218	Irrigation Systems for Horticulture	2
HRT	311	Landscape Design and Management Specifications	4
HRT	411	Landscape Contract Management	3

Effective Spring 2025.

2. Change the requirements for the **Master of Science** degree in **Horticulture** in the Department of Horticulture. The University Committee on Graduate Studies (UCGS) approved this request at its October 28, 2024 meeting.

- a. Under the heading **Admission** replace the entire entry with the following:

To be considered for admission students must:

1. have completed a Bachelor of Arts or Bachelor of Science degree in agriculture or biological sciences. Applicants not trained in these fields will be considered provided they have a robust academic and/or experiential background. Previous courses in college-level physics, chemistry, mathematics, statistics, and plant science are strongly recommended.
2. have maintained a minimum grade-point average of 3.0 on a 4.0 scale during their last two academic years.
3. submit scores if they are not native English speakers, for the Test Of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS). For TOEFL, a minimum average score of 80 is required, with minimal subscore of 19 for reading, listening, and speaking, and 22 for writing. For IELTS, a score of 6.5 or higher is required. There is a process for waiving the requirement of test scores for applicants whose first language is not English but meet specific criteria regarding English literacy. Please see The Graduate School guidelines to request a waiver for English language competency.

The willingness of a specific faculty member to serve as Faculty Advisor is not required for application but is required at the time of admission. Provisional admission may be made for language deficiency only.

- b. Under the heading **Requirements for the Master of Science Degree in Horticulture** replace the entire entry with the following:

The student may elect either Plan A (with thesis) or Plan B (without thesis). A total of 30 credits is required for the degree under Plan A or Plan B. At least 16 of these credits must be in courses at the 800 or 900 level, including research. Courses should include at least 1 credit hour of Horticulture Seminar (HRT 894) or another seminar course approved by the student's advisory committee, as well as at least 3 credit hours of 800-level courses in Horticulture, not including HRT 894.

***Additional Requirements for Plan A***

1. At least 6 but not more than 10 credits of Master's Thesis Research (Horticulture 899) are required.
2. Students must complete prescribed courses and conduct original research, under the supervision of the Faculty Advisor and the Advisory Committee, on a selected problem related to Horticulture. A review of the literature in the selected area of study and written research proposal should precede the experimental work. The data collected must be analyzed, interpreted, presented, submitted to, and accepted by The Graduate School according to their recommendations/format.

***Additional Requirements for Plan B***

1. At least 3 but not more than 6 credits of Independent Study (Horticulture 890) and/or Master's Research (Horticulture 898) is required.
2. Students must complete prescribed courses and conduct an independent project, under the supervision of the Faculty Advisor and the Advisory Committee, incorporating teaching, extension, outreach, and/or research related to Horticulture. The student will write a project report or create a portfolio, in lieu of an experimental research-based thesis.

The Department recommends that, at minimum, all Horticulture master's and doctoral students undertake graduate academic course work or equivalent experiential learning related to (1) Production, storage and/or marketing of horticultural crops and (2) Plant growth, development and physiology. In addition, it is recommended that students are trained in approaches and methods in computational/quantitative biology, statistics, scientific communication, and research/analytical techniques. This training can take place while in the Program or from previous education. Other courses relevant to the student's research interests may be chosen in consultation with the guidance committee.

All programs of study are subject to departmental review. A final oral and/or written examination on courses, research and/or independent work pursued during the program will be conducted at the end of the student's final semester of enrollment.

Effective Spring 2025.

3. Change the requirements for the **Doctor of Philosophy** degree in **Horticulture** in the Department of Horticulture. The University Committee on Graduate Studies (UCGS) approved this request at its October 28, 2024 meeting.

- a. Add the following section on **Admission**:

To be considered for admission students must:

1. have completed a Bachelor of Arts or Bachelor of Science degree in agriculture or biological sciences. Applicants not trained in these fields will be considered provided they have a robust academic and/or experiential background. Previous courses in college-level physics, chemistry, mathematics, statistics, and plant science are strongly recommended.
2. have maintained a minimum grade-point average of 3.0 on a 4.0 scale during their last two academic years.
3. submit scores if they are not native English speakers, for the Test Of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS). For TOEFL, a minimum average score of 80 is required, with minimal subscore of 19 for reading, listening, and speaking, and 22 for writing. For IELTS, a score of 6.5 or higher is required. There is a process for waiving the requirement of test scores for applicants whose first language is not English but meet specific criteria regarding English literacy. Please see The Graduate School guidelines to request a waiver for English language competency.

The willingness of a specific faculty member to serve as Faculty Advisor is not required for application but is required at the time of admission. Provisional admission may be made for language deficiency only.

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

The Doctor of Philosophy degree in Horticulture requires at least 30 credit hours in courses not taken to earn a master's degree at MSU. At least 16 of these credits must be in courses at the 800 or 900 level, including research (HRT 999). Courses should include at least 3 credit hours of Horticulture Seminar (HRT 894) or another seminar course approved by the student's advisory committee, as well as at least 3 credit hours of 800-level courses in Horticulture with a total of 9 credit hours of 800-level courses in Horticulture recommended, not including HRT 894.

1. A minimum of 24 and a maximum of 36 credits hours in Doctoral Dissertation Research (Horticulture 999) is required. All students using University services must be registered each semester for a minimum of 1 credit hour of HRT 999.
2. One year of attendance on campus after the first enrollment for doctoral degree credit is required. A year of residence/attendance consists of two semesters, involving completion of at least 3 credits of graduate work each term.
3. Graduate students in the Ph.D. program must complete prescribed courses and conduct original research, under the supervision of the Faculty Advisor and the Advisory Committee, on a selected problem related to Horticulture. A review of the literature in the selected area of study and written research proposal should precede the experimental work. The data collected must be analyzed, interpreted, presented, submitted to, and accepted by The Graduate School according to their recommendations/format.

The Department recommends that, at minimum, all Horticulture master's and doctoral students undertake graduate academic course work or equivalent experiential learning related to (1) Production, storage and/or marketing of horticultural crops and (2) Plant growth, development and physiology. In addition, it is recommended that students are trained in approaches and methods in computational/quantitative biology, statistics, scientific communication, and research/analytical techniques. This training can take place while in the Program or from previous education. Other courses relevant to the student's research interests may be chosen in consultation with the guidance committee. An oral qualifying examination may be conducted by the guidance committee shortly

after the student begins advanced graduate study to determine his or her qualifications and to provide a basis for developing the program of study. A final oral and/or written examination on courses, research and/or independent work pursued during the program will be conducted at the end of the student's final semester of enrollment.

Effective Spring 2025.

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

1. Change the requirements in the **Master of Arts** degree in **Linguistics** in the Department of Linguistics, Languages, and Cultures. The University Committee on Graduate Studies (UCGS) approved this request at its October 28, 2024 meeting.

- a. Under the heading **Additional Requirements for Plan B** add the following sentence to item 2.:

Ph.D. students who have successfully defended their first comprehensive examination paper can use it in lieu of the M.A. Plan B examination and file for M.A. in passing.

Effective Spring 2025.

2. Change the requirements in the **Doctor of Philosophy** degree in **Linguistics** in the Department of Linguistics, Languages, and Cultures. The University Committee on Graduate Studies (UCGS) approved this request at its October 21, 2024 meeting.

- a. Under the heading **Requirements for the Doctor of Philosophy Degree in Linguistics** make the following changes:

- (1) Delete item 3.

- (2) Renumber item 4. to item 3., and add the following new item 4.:

Ph.D. students who have successfully defended their first comprehensive examination paper can use it in lieu of the M.A. Plan B examination and file for M.A. in passing.

Effective Spring 2025.

3. Change the requirements in the **Minor in Italian** in the Department of Romance and Classical Languages.

- a. Under the heading **Requirements for the Minor in Italian** in item 2. delete the following course:

ROM	355	French, Italian, Portuguese or Spanish Cinema	4
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Effective Summer 2025.

4. Change the requirements for the **Minor in Classical and Ancient Mediterranean Studies** in the Department of Romance and Classical Studies.

- a. Under the heading **Requirements for the Minor in Classical and Ancient Mediterranean Studies** make the following changes in item 2.:

- (1) Under **Latin** delete the following courses:

LTN	305	Third-year Latin: Major Authors I	3
LTN	405	Fourth-year Latin: Major Authors II	3

Add the following courses:

LTN	211	Livy and Roman Historiography	3
LTN	221	Virgil and Latin Poetry	3

- |  |     |     |                   |        |
|--|-----|-----|-------------------|--------|
|  | LTN | 290 | Independent Study | 1 to 3 |
|  | LTN | 490 | Independent Study | 1 to 3 |
|  | LTN | 499 | Senior Thesis     | 1      |
- (2) Under **Greek** delete the following courses:
- |  |     |     |                              |   |
|--|-----|-----|------------------------------|---|
|  | GRK | 101 | Elementary Classical Greek I | 4 |
|--|-----|-----|------------------------------|---|
- Add the following courses:
- |  |     |     |                               |        |
|--|-----|-----|-------------------------------|--------|
|  | GRK | 102 | Elementary Classical Greek II | 4      |
|  | GRK | 290 | Independent Study             | 1 to 3 |
|  | GRK | 421 | Senior Seminar: Sophocles (W) | 3      |
|  | GRK | 490 | Independent Study             | 1 to 3 |
- (3) Under **Classical Texts in Translation** delete the following course:
- |  |     |     |                  |   |
|--|-----|-----|------------------|---|
|  | ENG | 324 | Readings in Epic | 3 |
|--|-----|-----|------------------|---|
- (4) Under **Archaeology/Anthropology** delete the following course:
- |  |     |     |                      |   |
|--|-----|-----|----------------------|---|
|  | ANP | 451 | European Archaeology | 3 |
|--|-----|-----|----------------------|---|

Effective Summer 2025.

### **ELI BROAD COLLEGE OF BUSINESS**

1. Change the requirements for the **Master of Business Administration** degree in the Eli Broad College of Business. The University Committee on Graduate Studies (UCGS) approved this request at their October 28, 2024 meeting.

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

- a. Under the heading **Requirements for the Master of Business Administration Degree** make the following changes:
  - (1) In item 1. a. delete the following courses:

	MBA	823	Information Technology Strategy	1.5
	MBA	846	Executive Lecture Series	1 to 2
  - (2) In item 1. b., add the following concentration:

Corporate, Social Responsibility and Sustainability

Effective Spring 2025.

## COLLEGE OF COMMUNICATION ARTS AND SCIENCES

1. Establish a **Master of Arts** degree in **International Digital Advertising** in the Department of Advertising and Public Relations. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its September 16, 2024 meeting.

- a. **Background Information:**

The Master of Arts degree in International Digital Advertising will be offered in partnership with the Communication University of China and has been in development for more than five years. It began as an opportunity for both institutions to increase enrollment of master's degree students, to leverage the mutual strengths of our top-ranked programs and to give Chinese students greater access to master's level training. Additionally, the partnership is expected to create opportunities for research collaboration and will give faculty an opportunity to teach abroad. Offering the program jointly allows Chinese students access to a program partially based in their home country (minimizing costs) and increases international enrollment in Communication Arts and Sciences programs. MSU has a similar arrangement with Nanjang Agricultural University through our College of Agriculture and Natural Resources. This is the only other such MSU program we are aware of. This arrangement is not subject to any regulations at the state or federal levels. However, the Office for International Students and Scholars (OISS) is required to update Michigan State University's certification to host international students under the F-1 visa program whenever a new program of study is approved by the university. MSU's certification update must be approved by the U.S. Department of Homeland Security (DHS) before the Office of International Student Services can issue immigration documents for students enrolling in the new program.

The program is designed to provide rigorous professional preparation for students interested in the fields of digital media and digital advertising. The program course work and culminating experiences focus on the interaction between theory and practice. Students will work closely with research faculty, professors of practice, and practitioners in industry, learning toward the key educational outcomes outlined below. As such, the program is well aligned with the core strengths in the college, in terms of bridging theory and practice and the arts and sciences of the communication industries. This program will also help advance both MSU's and CUC's goals to support students in developing international perspective. Key educational objectives include: (1) understanding how multiple academic disciplines inform our knowledge of persuasion and consumer behavior online; (2) understanding and describing the central arguments of theories relevant to digital consumers; (3) In-depth practical knowledge of digital advertising practices and their latest trends through discussion, design, and application; (4) learning and applying research methods in the context of digital advertising; (5) practicing the art of creative storytelling in the context of digital advertising; (6) using data analysis to develop strategy and evaluate campaigns in the context of digital advertising; and (7) developing intercultural competencies to prepare for engagement in a global workforce.

- b. **Academic Programs Catalog Text:**

International Digital Advertising is a two-country residential program in which students access an international experience that provides intensive professional preparation for international careers, with an emphasis on China and the United States. Through two years of study, research and practice, students will gain a full understanding of the development of media convergence, strengthen their innovative thinking and widen their international vision. The program embraces a three-in-one teaching system of cultural literacy, professional ability and practical innovation. Students will also have the ability to apply professional knowledge, theories, and methods comprehensively to engage in professional research and relevant practical work. Students spend their first year at the Communication University of China's campus in Hainan province, and year two studying at Michigan State University in East Lansing.

### **Admission**

In addition to meeting entrance requirements of Communication University of China, Michigan State University, and the MSU College of Communication Arts and Sciences, students must meet the requirements specified below. Students electing this program are not required to complete the Chinese unified national graduate entrance examination.

Admission is determined by an evaluation of information regarding the applicant's academic record, goals and motivation, experience, personal references, and other items submitted as indicators of intellectual, creative, and administrative capabilities.

To be admitted, the applicant must submit to MSU:

1. a Graduate School application,
2. an official copy of all transcripts,
3. three letters of recommendation,
4. a statement of purpose outlining academic and professional goals,
5. a personal background statement,
6. Test of English as a Foreign Language (TOEFL) scores, if applicable.
7. a resume.

Although evidence other than grades influences the admission decision, the Department uses the following guidelines:

1. students whose grade-point averages for the third and fourth years of undergraduate study are 3.25 or better may be admitted to regular status; students whose grade-point averages are below 3.25 are rarely admitted,
2. a background in advertising and/or strategic communication, either from experience or from undergraduate study, is necessary before students can begin graduate study.

Students without adequate background will be required to remedy significant deficiencies through collateral course work or individual study.

#### **Requirements for the Master of Arts Degree in International Digital Advertising**

CREDITS

At least 30 credits are required for the degree under either Plan A (with thesis) or Plan B (without thesis). The students program of study must be approved by the students academic advisor.

#### ***Requirements for Both Plan A and Plan B:***

1. Complete 12 credits of required course work in residence at the Communication University of China-Hainan International College.
2. Complete 18 credits of elective course work at the 400-level or above in residence at Michigan State University. Courses may be selected from any relevant offerings in the Department of Advertising and Public Relations or College of Communication Arts and Sciences in consultation with the student's academic advisor.

#### ***Additional Requirements for Plan A:***

1. Complete 4 credits of ADV 899 Master's Thesis Research.
2. Completion of a master's thesis in the form of a formal research project (qualitative or quantitative) that answers an important theoretical question.

#### ***Additional Requirements for Plan B:***

1. Completion of a qualifying culmination experience fulfilled by either a research paper resulting from an independent study with a faculty member or a report describing an internship undertaken with a professional company in advertising, public relations or a closely related field. The experience must be documented through poster presentation during the semester of graduation. Students graduating in summer must present during the prior spring semester.

Effective Spring 2025.

2. Establish a **Dual Degree** in **International Digital Advertising** in the Department of Advertising and Public Relations. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its September 16, 2024 meeting.

- a. **Background Information:**

The Master of Arts degree in International Digital Advertising will be offered in partnership with the Communication University of China and has been in development for more than five years. It began as an opportunity for both institutions to increase enrollment of master's degree students, to leverage the mutual strengths of our top-ranked programs and to give Chinese students greater access to master's level training. Additionally, the partnership is expected to create opportunities for research collaboration and will give faculty an opportunity to teach abroad. Offering the program jointly allows Chinese students access to a program partially based in their home country (minimizing costs) and increases international enrollment in Communication Arts and Sciences programs. MSU has a similar arrangement with Nanjiang Agricultural University through our College of Agriculture and Natural Resources. This is the only other such MSU program we are aware of. This arrangement is not subject to any regulations at the state or federal levels. However, the Office for International Students and Scholars (OISS) is required to update Michigan State University's certification to host international students under the F-1 visa program whenever a new program of study is approved by the university. MSU's certification update must be approved by the U.S. Department of Homeland Security (DHS) before the Office of International Student Services can issue immigration documents for students enrolling in the new program.

The program is designed to provide rigorous professional preparation for students interested in the fields of digital media and digital advertising. The program course work and culminating experiences focus on the interaction between theory and practice. Students will work closely with research faculty, professors of practice, and practitioners in industry, learning toward the key educational outcomes outlined below. As such, the program is well aligned with the core strengths in the college, in terms of bridging theory and practice and the arts and sciences of the communication industries. This program will also help advance both MSU's and CUC's goals to support students in developing international perspective. Key educational objectives include: (1) understanding how multiple academic disciplines inform our knowledge of persuasion and consumer behavior online; (2) understanding and describing the central arguments of theories relevant to digital consumers; (3) In-depth practical knowledge of digital advertising practices and their latest trends through discussion, design, and application; (4) learning and applying research methods in the context of digital advertising; (5) practicing the art of creative storytelling in the context of digital advertising; (6) using data analysis to develop strategy and evaluate campaigns in the context of digital advertising; and (7) developing intercultural competencies to prepare for engagement in a global workforce.

- b. **Academic Programs Catalog Text:**

International Digital Advertising is a two-country residential program in which students access an international experience that provides intensive professional preparation for international careers, with an emphasis on China and the United States. Through two years of study, research and practice, students will gain a full understanding of the development of media convergence, strengthen their innovative thinking and widen their international vision. The program embraces a three-in-one teaching system of cultural literacy, professional ability and practical innovation. Students will also have the ability to apply professional knowledge, theories, and methods comprehensively to engage in professional research and relevant practical work. Students spend their first year at the Communication University of China's campus in Hainan province, and year two studying at Michigan State University in East Lansing.

**Admission**

In addition to meeting entrance requirements of Communication University of China, Michigan State University, and the MSU College of Communication Arts and Sciences, students must meet the requirements specified below. Students electing this program requires successful completion of the Chinese unified national graduate entrance examination.

Admission is determined by an evaluation of information regarding the applicant's academic record, goals and motivation, experience, personal references, and other items submitted as indicators of intellectual, creative, and administrative capabilities.

To be admitted, the applicant must submit to MSU:

1. a Graduate School application,
2. an official copy of all transcripts,
3. three letters of recommendation,
4. a statement of purpose outlining academic and professional goals,
5. a personal background statement,
6. Test of English as a Foreign Language (TOEFL) scores, if applicable.
7. a resume.

Although evidence other than grades influences the admission decision, the Department uses the following guidelines:

1. students whose grade-point averages for the third and fourth years of undergraduate study are 3.25 or better may be admitted to regular status; students whose grade-point averages are below 3.25 are rarely admitted,
2. a background in advertising and/or strategic communication, either from experience or from undergraduate study, is necessary before students can begin graduate study.

Students without adequate background will be required to remedy significant deficiencies through collateral course work or individual study.

**Requirements for the Dual Degree Master of Arts in International Digital Advertising**  
CREDITS

At least 46 credits are required for the degree under either Plan A (with thesis) or Plan B (without thesis). The students program of study must be approved by the students academic advisor.

**Requirements for Both Plan A and Plan B:**

1. Complete 28 credits of required course work in residence at the Communication University of China-Hainan International College.
2. Complete 18 credits of elective course work at the 400-level or above in residence at Michigan State University. Courses may be selected from any relevant offerings in the Department of Advertising and Public Relations or College of Communication Arts and Sciences in consultation with the student's academic advisor.

**Additional Requirements for Plan A:**

1. Complete 4 credits of ADV 899 Master's Thesis Research.
2. Completion of a master's thesis in the form of a formal research project (qualitative or quantitative) that answers an important theoretical question.

**Additional Requirements for Plan B:**

1. Completion of a qualifying culmination experience fulfilled by either a research paper resulting from an independent study with a faculty member or a report describing an internship undertaken with a professional company in advertising, public relations or a closely related field. The experience must be documented through poster presentation during the semester of graduation. Students graduating in summer must present during the prior spring semester.

Effective Spring 2025.

### COLLEGE OF EDUCATION

1. Delete the curriculum and degree requirements for the **Graduate Certificate** degree in **Applied Behavior Analysis in Special Education** in the Department of Counseling, Educational Psychology and Special Education. The University Committee on Graduate Studies (UCGS) provided consultative commentary to the Provost after considering this request. 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 Summer 2021. No students are to be readmitted to the program effective Summer 2021. Effective Fall 2024, coding for the program will be discontinued and the program will no longer be available in the Department of Counseling, Educational Psychology and Special Education. Students who have not met the requirements for the Graduate Certificate in Applied Analysis in Special Education through the Department of Counseling, Educational Psychology and Special Education prior to Fall 2024 will have to change their certificate.

Note: This program has been in moratorium since Summer 2021.

### COLLEGE OF ENGINEERING

1. Establish a **Graduate Certificate** in **Data-enabled Water Sustainability and Equity** in the Department of Civil and Environmental Engineering. The University Committee on Graduate Education (UCGS) recommended approval of this request at its September 16, 2024 meeting.

- a. **Background Information:**

The proposed Data-enabled Water Sustainability and Equity (DWSE) graduate certificate program is part of a newly-funded National Science Foundation National Research Traineeship (NRT) award, WaterCube, and aims to develop a collaborative graduate-training paradigm for advancing data revolution-enabled water sustainability through an equity lens. The name "WaterCube" reflects the conviction that it takes the convergence of three broad areas, data science, water science, and social science, to solve complex, real-world water problems. WaterCube builds upon synergistic collaboration among faculty from thirteen departments across seven colleges. A core goal of WaterCube is to train graduate students who are a) competent in the knowledge, understanding, and practice of issues at the intersection of data science, water science, and social science; b) well-versed in cross-disciplinary research collaboration; and c) well prepared for diverse career options. A key component of achieving this goal is creation of the DWSE graduate certificate program that will consist of three fundamental courses from each of the three broad areas of the WaterCube (data science, water science, and social science) and one practicum course integrating all.

While there are other graduate training efforts in water sustainability (e.g., University of Washington Future Rivers Program, Colorado State University Applied Global Stability: Water Resources, Michigan Technological University Water Resources Modeling, and University of South Florida Water Sustainability) the DWSE graduate certificate program will be unique with its equal emphasis on all three dimensions of data science, water science, and social science, an approach that is indispensable in solving complex water challenges. The new WaterCube NRT provides a strong foundation, support, and visibility for the DWSE program. In addition to the WaterCube NRT, MSU recently launched the MSU Water Alliance, which seeks to bring together experts across the University to push the boundaries of discovery and find solutions to water-related challenges through research, education, and engagement with communities and industries. The Water Alliance and WaterCube NRT will partner to support the DWSE graduate certificate program. These efforts demonstrate that MSU has unique and expansive expertise in addressing water-related challenges.

There has also been a long-standing interest in creating a graduate water program at MSU. In 2014, Dr. Joan Rose (Homer Nowlin Chair in Water) organized several faculty committees comprised of interested faculty to explore creation of a graduate program in water. The committees assessed current courses being taught related to water and evaluated the interests of MSU students and faculty in creating a graduate water program. In 2015, the Office for Survey Research conducted surveys to assess MSU undergraduate students, graduate students, and faculty interest in the creation of a Water Science Degree Program. Overall, students (n=441) and faculty (n=112) who participated in the surveys expressed interest in creating a graduate water program at MSU. Graduate students (n=173) indicated that a certificate program was preferred over other types of graduate programs.

**b. Academic Programs Catalog Text:**

The Graduate Certificate in Data-enabled Water Sustainability and Equity (DWSE) will equip students with fundamental knowledge of the three dimensions of the WaterCube and with skills to integrate these areas for understanding and addressing real-world water issues. The graduate certificate requires students to complete a series of four courses, totaling 10 credits. Students will have options for fulfilling course requirements providing flexibility to incorporate the requirements into their programs of study without extending their time to degree.

**Admission**

For admission to the Graduate Certificate in Data-enabled Water Sustainability and Equity, students must complete an application form which includes:

1. a plan for completing the certificate requirements. Students will indicate which courses they will take to meet the program requirements, provide a brief justification for their choices, and provide a timeline for completion.
2. a statement of interest. Students will briefly describe their interest in Data-enabled Water Sustainability and Equity and their reason(s) for pursuing the graduate certificate.

**Requirements for the Graduate Certificate in Data-enabled Water Sustainability and Equity**  
 CREDITS

Students must complete a minimum of 10 credits from the following:

1.	The following course (1 credit):			
	FW	867	Water: A Global Perspective	1
2.	One of the following data science courses (3 credits):			
	CMSE	801	Introduction to Computational Modeling and Data Analysis	3
	CSE	404	Introduction to Machine Learning	3
	CSE	881	Data Mining	3
	GEO	429	Programming with Spatial Data	3
	GEO	866	Spatial Data Analysis	4
3.	One of the following social science courses (3 credits):			
	AIIS	801	Indigenous Theories and Methodologies	3
	CSUS	858	Gender, Justice and Environmental Change: Issues and Concepts	3
	CSUS	848	Community Based Natural Resource Management in International Development	3
	SOC	865	Environmental Sociology	3
4.	One of the following experiential learning courses (3 credits):			
	ESP	804	Environmental Applications and Analysis	3
	FW	868	Water Policy and Management	3

CMSE 801, GEO 429, and GEO 866 are recommended for students new to programming and modeling. Additional courses at the 400-level or above may be used to fulfill requirement 2. Or requirement 3. if approved by the program director. Students must have a minimum 3.0 grade-point average in courses applied to the certificate in order for it to be awarded.

Effective Spring 2025.

### COLLEGE OF HUMAN MEDICINE

1. Delete the curriculum and degree requirements for the **Graduate Certificate** degree in **Applied Parasitology for Public Health** in the College of Human Medicine. The University Committee on Graduate Studies (UCGS) provided consultative commentary to the Provost after considering this request. 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 Fall 2016. No students are to be readmitted to the program effective Fall 2016. Effective Fall 2024, coding for the program will be discontinued and the program will no longer be available in the College of Human Medicine. Students who have not met the requirements for the Graduate Certificate in Applied Parasitology for Public Health through the College of Human Medicine prior to Fall 2024 will have to change their certificate.

Note: This program has been in moratorium since Fall 2016.

2. Delete the curriculum and degree requirements for the **Graduate Certificate** degree in **Clinical Research Trials Management** in the College of Human Medicine. The University Committee on Graduate Studies (UCGS) provided consultative commentary to the Provost after considering this request. 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 Fall 2016. No students are to be readmitted to the program effective Fall 2016. Effective Fall 2024, coding for the program will be discontinued and the program will no longer be available in the College of Human Medicine. Students who have not met the requirements for the Graduate Certificate in Clinical Research Trials Management through the College of Human Medicine prior to Fall 2024 will have to change their certificate.

Note: This program has been in moratorium since Fall 2016.

3. Delete the curriculum and degree requirements for the **Graduate Certificate** degree in **Counterfeit Pharmaceuticals** in the College of Human Medicine. The University Committee on Graduate Studies (UCGS) provided consultative commentary to the Provost after considering this request. 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 Fall 2016. No students are to be readmitted to the program effective Fall 2016. Effective Fall 2024, coding for the program will be discontinued and the program will no longer be available in the College of Human Medicine. Students who have not met the requirements for the Graduate Certificate in Counterfeit Pharmaceuticals through the College of Human Medicine prior to Fall 2024 will have to change their certificate.

Note: This program has been in moratorium since Fall 2016.

4. Delete the curriculum and degree requirements for the **Graduate Certificate** degree in **International Public Health** in the College of Human Medicine. The University Committee on Graduate Studies (UCGS) provided consultative commentary to the Provost after considering this request. 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 Fall 2016. No students are to be readmitted to the program effective Fall 2016. Effective Fall 2024, coding for the program will be discontinued and the program will no longer be available in the College of Human Medicine. Students who have not met the requirements for the Graduate Certificate in International Public Health through the College of Human Medicine prior to Fall 2024 will have to change their certificate.

Note: This program has been in moratorium since Fall 2016.

5. Delete the curriculum and degree requirements for the **Graduate Certificate** degree in **Public Health Administration** in the College of Human Medicine. The University Committee on Graduate Studies (UCGS) provided consultative commentary to the Provost after considering this request. 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 Fall 2016. No students are to be readmitted to the program effective Fall 2016. Effective Fall 2024, coding for the program will be discontinued and the program will no longer be available in the College of Human Medicine. Students who have not met the requirements for the Graduate Certificate in Public Health Administration through the College of Human Medicine prior to Fall 2024 will have to change their certificate.

Note: This program has been in moratorium since Fall 2016.

6. Delete the curriculum and degree requirements for the **Graduate Certificate** degree in **Public Health Informatics** in the College of Human Medicine. The University Committee on Graduate Studies (UCGS) provided consultative commentary to the Provost after considering this request. 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 Fall 2016. No students are to be readmitted to the program effective Fall 2016. Effective Fall 2024, coding for the program will be discontinued and the program will no longer be available in the College of Human Medicine. Students who have not met the requirements for the Graduate Certificate in Public Health Informatics through the College of Human Medicine prior to Fall 2024 will have to change their certificate.

Note: This program has been in moratorium since Fall 2016.

### **COLLEGE OF SOCIAL SCIENCE**

1. Delete the curriculum and degree requirements for the **Bachelor of Arts** degree in **Early Care and Education** in the Department of Human Development and Family Studies. The University Committee on Undergraduate Education (UCUE) provided consultative commentary to the Provost after considering this request. 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 Fall 2023. No students are to be readmitted to the program effective Fall 2023. Effective Summer 2024, coding for the program will be discontinued and the program will no longer be available in the Department of Human Development and Family Studies. Students who have not met the requirements for the Bachelor of Arts Degree in Early Care and Education through the Department of Human Development and Family Studies prior to Summer 2024 will have to change their major.

Note: This program has been in moratorium since Fall 2023.

## **PART II - NEW COURSES**

### **SCHOOL OF CRIMINAL JUSTICE**

- CJ 446      Open-Source Investigations  
Spring of every year. 3(3-0) P: CJ 345 R: Open to juniors or seniors in the Criminal Justice Major or in the Security Management Minor or approval of school.  
Modern intelligence techniques to collect, exploit, and analyze publicly and commercially available information. Ethical and legal issues.  
Effective Spring Semester 2025
- CJ 447      Digital Forensics  
Fall of every year. 3(3-0) P: CJ 345 R: Open to juniors or seniors in the Criminal Justice Major or in the Security Management Minor or approval of school.  
Technical, legal, and practical scope of digital forensics. Application, techniques, and role of digital forensic investigations in law enforcement and private sector.  
Effective Spring Semester 2025

### **DEPARTMENT OF ENGLISH**

- ENG 323      Readings in Non-Fiction  
Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: {Completion of Tier I Writing Requirement} or (ENG 210 or ENG 211H) RB: 3 credits in literature R: Not open to freshmen.  
Extensive reading in major forms of literary nonfiction in English.  
Effective Spring Semester 2025

### **DEPARTMENT OF GEOGRAPHY, ENVIRONMENT, AND SPATIAL SCIENCES**

- GEO 103      Introduction to Climate Change Studies  
Spring of every year. 3(3-0)  
A geographic exploration of climate change studies, including the introductory science and impacts, as well as possible climate scenarios and solutions.  
Effective Spring Semester 2025

### **JAMES MADISON COLLEGE**

- MC 324C      Regional Politics, Cooperation, and Conflict in Latin America and the Caribbean  
Fall of even years. 4(3-0) P: (MC 220 or PLS 160) or completion of Tier I writing requirement RB: (MC 221) or approval of college.  
Domestic and international politics of Latin American or Caribbean countries. Conflict and cooperation among states of the region. Government policies to promote security, democracy, and growth.  
Effective Spring Semester 2025

### **COLLEGE OF MUSIC**

- MUS 436      Popular Music of Black America  
Fall of even years. 2(2-0) P: MUS 211 or MUS 212 R: Open to juniors or seniors in the College of Music or approval of college.  
Black popular music from 1945 to the present. Influence on American popular music. Rhythm and blues, soul, funk, disco, rap, and their derivative forms. Role of African-American performers, songwriters, and producers in the development of a multibillion-dollar music industry.  
Effective Spring Semester 2025

**DEPARTMENT OF RELIGIOUS STUDIES**

REL 325      East Asian Buddhism  
Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement RB: REL 101  
Buddhist traditions of East Asia, including China, Tibet, Korea, and Japan, as well as  
Mahayana and Vajrayana.  
Effective Spring Semester 2025

## **PART III – COURSE CHANGES**

### **DEPARTMENT OF ADVERTISING AND PUBLIC RELATIONS**

- ADV 402 Public Relations Topics in Advertising  
Fall of every year. Spring of every year. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course. ~~R: Open to undergraduate students in the Public Relations Specialization. A student may earn a maximum of 6 credits in any or all enrollments in ADV 402, COM 402, or JRN 402.~~ R: Open to undergraduate students. A student may earn a maximum of 6 credits in any or all enrollments in ADV 402, COM 402, or JRN 402.  
Current topics related to the practice of public relations.  
Effective Spring Semester 2025
- ADV 413 Issues in Contemporary Advertising  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen.  
Current issues in advertising and related disciplines.  
Request the use of the Pass-No Grade (P-N) system.  
Effective Spring Semester 2025
- ADV 436 Promotions and Sponsorships  
Spring of every year. 3(3-0) P: ADV 375 or concurrently R: Open to undergraduate students in the Advertising major or in the Retailing major or in the Food Industry Management major.  
Corporate communication activities used to elicit consumer response to a product and service mix. Non-traditional advertising strategies, cross-promotion strategies, and strategies for non-profit organizations.  
SA: ADV 336  
DELETE COURSE  
Effective Spring Semester 2025

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

- BMB 471 Advanced Biochemistry Laboratory  
Spring of every year. 4(2-4) ~~P: BMB 370 and BMB 461 and CMSE 201 P: BMB 370 and BMB 461~~ R: Open to students 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.  
Biochemical methods and principles used in the study of enzymes (proteins), carbohydrates, lipids, and cell organelles.  
SA: BCH 471  
Effective Spring Semester 2025
- BMB 825 Cell Structure and Function  
~~Spring of every year. Spring of every year. 3(3-0) Interdepartmental with Microbiology and Molecular Genetics, Physiology~~ Interdepartmental with Microbiology, Genetics, and Immunology, Physiology RB: BMB 401 or BMB 461.  
Molecular basis of structure and function. Cell properties: reproduction, dynamic organization, integration, programmed and integrative information transfer. Original investigations in all five kingdoms.  
SA: BCH 825  
Effective Fall Semester 2025

### BIOMEDICAL LABORATORY DIAGNOSTICS PROGRAM

- BLD 815 Cell Biology in Health and Disease I  
~~Spring of even years. Fall of odd years. 2(2-0) RB: Undergraduate course in Biochemistry and Physiology. Experience in a clinical laboratory~~ RB: Undergraduate course in Biochemistry and Physiology. Experience in a clinical laboratory  
Principles and theories of cell biology and biochemistry are presented with a focus on applications to clinical pathology.  
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 Semester 2025
- BLD 816 Cell Biology in Health and Disease II  
~~Summer of even years. Spring of odd years. 2(2-0) P: BLD 815 RB: Undergraduate course in biochemistry and physiology. Experience in a clinical laboratory~~  
Continuation of BLD 815.  
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 Spring Semester 2025

### SCHOOL OF CRIMINAL JUSTICE

- CJ 445  
CJ 345 Cyber-Crime and Cyber-Security  
Fall of every year. 3(3-0) ~~P: Completion of Tier I Writing Requirement P: (CJ 110 and CJ 220) and completion of Tier I writing requirement R: Open to juniors or seniors in the School of Criminal Justice or in the Security Management Minor or approval of school. R: Open to juniors or seniors in the Criminal Justice Major or in the Security Management Minor or in the Peace and Justice Studies Minor or approval of school.~~  
Internet crimes and problems and procedures for cybersecurity.  
SA: CJ 445  
Effective Spring Semester 2025
- CJ 485 ~~Critical Issues in Private Security~~ Critical Issues in Private Security (W)  
Spring of every year. 3(3-0) ~~P: CJ 385 P: (CJ 385) and completion of Tier I writing requirement R: Open to juniors or seniors in the School of Criminal Justice.~~  
Advanced topics in private security. Planning and administering. Organizing and staffing. Human relations. Management styles. Media relations.  
Effective Spring Semester 2025
- CJ 882 Analysis of Contemporary Cyberthreats  
Spring of every year. 3(3-0) ~~R: Open to master's students in the School of Criminal Justice. R: Open to master's students in the Cybercrime and Digital Investigation Major.~~  
Capstone. Cybersecurity issues regarding individuals, industry, and governments. Individuals, groups, organized crime, terrorists, and nation states. Mitigation strategies. Identification of intervention points.  
Effective Spring Semester 2025
- CJ 896 Policy Analysis under Conditions of Change  
Fall of every year. Spring of every year. 3(3-0) ~~P: CJ 811 and (CJ 887 or concurrently) P: (CJ 811 and (CJ 887 or concurrently)) or CJ 889 RB: At least 75% of MS course work complete R: Open to graduate students in the School of Criminal Justice. R: Open to master's students in the School of Criminal Justice.~~  
Capstone. Methods of policy analysis in criminal justice settings. Policy analysis for the formulation, adoption, and implementation of changes.  
Effective Spring Semester 2025

- CJ 897            Comprehensive Threat Assessment  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: CJ 837 RB: At least 75% of Masters course work complete R: Open to graduate students in the Law Enforcement Intelligence and Analysis Major.  
Capstone. Methods of conducting a comprehensive threat assessment in criminal justice settings. Comprehensive threat assessment for the formulation, adoption, and implementation of prevention and intervention practices.  
Effective Spring Semester 2025
- CJ 899            Master's Thesis Research  
~~Fall of every year. Spring of every year. Summer of every year.~~ Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. ~~R: Open only to graduate students in the School of Criminal Justice.~~ R: Open to master's students in the Criminal Justice Major.  
Planned research and writing directed by student's thesis committee.  
Request the use of the Pass-No Grade (P-N) system.  
Effective Spring Semester 2025

### DEPARTMENT OF GEOGRAPHY, ENVIRONMENT, AND SPATIAL SCIENCES

- GEO 302            Climates of the World  
Fall of odd years. 3(3-0) ~~RB: GEO 206 or GEO 203~~ RB: GEO 103 or GEO 203 or GEO 206 or GEO 303  
Regional climates and underlying atmospheric circulation patterns. Climate classification, physical climatic processes, spatial and temporal aspects of climate, climate changes. Sources and use of climate data.  
Effective Spring Semester 2025
- GEO 303            Severe and Hazardous Weather  
Spring of even years. 3(3-0) ~~P: GEO 203 or approval of department~~ P: GEO 103 or GEO 203 or GEO 206 or GEO 302 or approval of department  
Extratropical cyclones, freezing precipitation and ice storms, lake effect snowstorms, cold waves, blizzards, thunderstorms, tornadoes, downbursts, tropical cyclones, floods, drought, and heat waves.  
Effective Spring Semester 2025
- GEO 402            Agricultural Climatology  
Fall of even years. 3(3-0) Interdepartmental with Biosystems Engineering P: (LB 117 or concurrently) or (LB 118 or concurrently) or MTH 103 or MTH 103B or (MTH 116 or concurrently) or (MTH 124 or concurrently) or (MTH 132 or concurrently) or (MTH 152H or concurrently) or approval of department RB: GEO 103 or GEO 203 or GEO 206 or GEO 302 or GEO 303  
Relationships between climate and agriculture in resource assessment, water budget analysis, meteorological hazards, pests, crop-yield modeling, and impacts of global climate change.  
Effective Spring Semester 2025
- GEO 405            ~~Weather Analysis and Forecasting~~ Weather and Climate Forecasting  
Spring of even years. 4(3-2) ~~P: (GEO 203 or approval of department) and ((LB 117 or concurrently) or (LB 118 or concurrently) or MTH 103 or MTH 103B or (MTH 116 or concurrently) or (MTH 124 or concurrently) or (MTH 132 or concurrently) or (MTH 152H or concurrently) or approval of department)~~ P: (GEO 103 or GEO 203 or GEO 206 or GEO 302 or GEO 303 or approval of department) and ((LB 117 or concurrently) or (LB 118 or concurrently) or MTH 103 or MTH 103B or (MTH 116 or concurrently) or (MTH 124 or concurrently) or (MTH 132 or concurrently) or (MTH 152H or concurrently) or approval of department)  
~~Dynamic and thermodynamic principles of atmospheric science applied to the development and evolution of extratropical cyclones. Laboratory sessions include analysis of current observations and satellite imagery. Physical laws, theories, and principles of mass, energy, and motion of the atmosphere. Laboratory sessions include analysis of current observations, numerical models, and other forecast products.~~  
Effective Fall Semester 2025

GEO 409 Global Climate Change and Variability  
~~Fall of odd years.~~ Fall of every year. 3(3-0) ~~P: GEO 203 or GEO 206~~ P: GEO 103 or GEO 203 or GEO 206 or GEO 302 or GEO 303 or approval of department  
Analysis of climate change and variability at various time and space scales. Climate systems, paleoclimatology, global warming, climate models, and climate impact assessment.  
Effective Fall Semester 2025

GEO 480 Undergraduate Seminar in Geography (W)  
Fall of every year. 3(3-0) P: Completion of Tier I Writing Requirement ~~RB: For undergraduate students with a major or minor in the Department of Geography, Environment, and Spatial Sciences~~ RB: Open to juniors or seniors in the Department of Geography, Environment, and Spatial Sciences. R: Open to juniors or seniors in the Department of Geography, Environment, and Spatial Sciences.  
Professional development, history, philosophy, and methodology in the geographic discipline.  
Effective Spring Semester 2025

### COLLEGE OF NURSING

NUR 868 Topics in Nursing Education  
~~Fall of every year.~~ Spring of every year. 3(3-0) RB: Open only to master's students in the Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing.  
~~Integration of concepts of teaching, learning, evaluation, and assessment applicable to nursing education within a variety of settings.~~ Integration of concepts of teaching, learning, evaluation, and assessment applicable to nursing education within a variety of settings.  
Effective Spring Semester 2025

NUR 908 Advanced Physical Assessment for the Advanced Practice Registered Nurse  
Spring of every year. 3(2-3) P: NUR 907 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.  
~~Comprehensive assessment including history, physical and psychological assessment of signs and symptoms, pathophysiologic changes, and psychosocial variations of the patient. Specific assessment related to Nurse Anesthetist, Clinical Nurse Specialist and Nurse Practitioner practice will be a focus in the practical experience of students.~~ Comprehensive assessment across the lifespan including history, physical and psychological assessment of signs and symptoms, pathophysiologic changes, and psychosocial variations of the patient.  
Effective Spring Semester 2025

### DEPARTMENT OF PSYCHOLOGY

PSY 815 Quantitative Research Design and Analysis in Psychology  
Fall of every year. ~~3(2-2)~~ 3(3-0) R: Open to graduate students in the Department of Psychology.  
Experimental and non-experimental research designs. Analysis of variance and multiple regression.  
Effective Fall Semester 2025

### SCHOOL OF SOCIAL WORK

SW 845 Administrative Skills in Social Work  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) ~~P: SW 810 or SW 812B~~ P: SW 810 R: Open to graduate students in the Master of Social Work in Clinical Social Work - Two Year Program or in the Master of Social Work in Clinical Social Work - One Year Program or approval of school. Not open to students with credit in SW 865.  
Knowledge and skills for social work practice in an organizational context.  
Effective Spring Semester 2025