MICHIGAN STATE UNIVERSITY

Report of

THE UNIVERSITY COMMITTEE ON CURRICULUM

to the Faculty Senate

February 16, 2021

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

February 16, 2021

TO: Faculty Senate

This report is prepared and distributed for the following purposes:

1.   To report new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses.
2.   To notify the initiating colleges, schools, and departments of approval by the University Committee on Curriculum of their requests for new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses. <u>Any items not approved by the Faculty Senate will be reported to the appropriate college and department or school</u>.
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:

<u>PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES</u>:

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.

<u>PART II - NEW COURSES</u>:[1]

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.

<u>PART III - COURSE CHANGES</u>:[1]

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.

[1]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

February 16, 2021

TO: Faculty Senate

FROM: University Committee on Curriculum

SUBJECT: New Academic Programs and Program Changes:
                New Courses and Course Changes

PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

1.   Establish a **Graduate Certificate** in **Real Estate Development and Construction** in the School of Planning, Design and Construction. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its October 12, 2020 meeting.

        a.   **Background Information:**

                This Graduate Certificate Program trains a new generation of professionals to possess sustainable planning, design and construction knowledge, skills and abilities, specifically in Real Estate Development and Construction. The proposed program is linked to the School's 2020 strategic plan. Our vision statement says "We collaborate to create sustainable and healthy built, natural and virtual environments." Further, our mission statement states "We advance the knowledge, prepare innovative leaders, and support the practice of planning, design, and construction." Therefore, supporting the practice of planning, design and construction can be further accomplished by the proposed Graduate Certificate Program.

                Mid-career professionals particularly in the fields of urban planning, construction management, and real estate development have a pressing need for in-depth training in real estate development analysis, finance and practice, as well as real estate case studies. This Graduate Certificate Program will train individuals to be knowledgeable of these subjects with sustainability in mind. MSU graduate students who are interested in adding real estate development knowledge and skill sets to their respective degrees are welcomed and encouraged. Our society and the general public will benefit from professionals who are equipped with sustainable thinking and understanding in planning, design and construction.

                To our knowledge, no comparable training program in Real Estate Development and Construction currently exists at MSU. In Michigan, the Taubman College of the University of Michigan has a Real Estate Development Graduate Certificate Program, but it is offered on campus and requires a total of 17 credit hours. We are proposing a 3-course certificate (9 credit hours) offered online, which will be more manageable and appealing to mid-career professionals. The program will help MSU train capable professionals and students to be knowledgeable of the issues.

                The School of Planning, Design and Construction have faculty members in the Construction Management Program, and Urban and Regional Planning Program who have research credentials and practical experiences in Real Estate Development and Construction.

                Students who earn the certificate will: 1) comprehend the land development process; 2) synthesize information about market analysis, finance and practice of real estate development; and 3) examine the construction management and municipal government interaction process.

        b.   **Academic Programs Catalog Text:**

                The Graduate Certificate in Real Estate Development and Construction trains students to gain knowledge about real estate development and to integrate sustainable principles that shape our built environments for current and future generations. The program is available online only.

Requirements for the Graduate Certificate in Real Estate Development and Construction

			CREDITS
Students must complete 9 credits from the following:			
PDC	853	Real Estate Finance and Commercial Development	3
PDC	858	Land Use Planning and Housing	3
PDC	859	Construction Management and Real Estate Case Studies	3

Effective Fall 2021.

2. Establish a **Graduate Certificate** in **Urban Resilient Redevelopment** in the School of Planning, Design and Construction. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its October 12, 2020 meeting.

    a. **Background Information:**

    This Graduate Certificate Program trains a new generation of professionals to possess sustainable planning, design and construction knowledge, skills and abilities, specifically in Urban Resilient Redevelopment. The proposed program is linked to the School's 2020 strategic plan. Our vision statement says "We collaborate to create sustainable and healthy built, natural and virtual environments." Further, our mission statement states "We advance the knowledge, prepare innovative leaders, and support the practice of planning, design, and construction." Therefore, supporting the practice of planning, design and construction can be further accomplished by the proposed Graduate Certificate Program.

    Mid-career professionals particularly in the fields of urban planning, and real estate development have a pressing need for in-depth training in real estate development analysis, finance and practice, as well as rules and regulations for local redevelopment. The economic downturn during 2008-2009 that caused serious declines in large cities such as Detroit has prompted the need for urban redevelopment. This Graduate Certificate Program will train individuals to be knowledgeable of these subjects with sustainability in mind. MSU graduate students who are interested in adding urban resilient redevelopment knowledge and skill sets to their respective degrees are welcomed and encouraged. Our society and the general public will benefit from professionals who are equipped with sustainable thinking and understanding in planning, design and construction.

    To our knowledge, no comparable training program in Urban Resilient Redevelopment currently exists at MSU. Struggling cities like Detroit need professionals who have such knowledge.

    The School of Planning, Design and Construction has faculty members in the Construction Management Program, and Urban and Regional Planning Program who have research credentials and practical experiences in Resiliency and Urban Redevelopment. What we are proposing is a 3-course certificate (9 credit hours) that is offered online, more manageable, and appealing to mid-career professionals.

    Students who earn the certificate will 1) understand how to sustainably approach the challenges present in redevelopment policy; 2) synthesize information about state and local redevelopment techniques and programs and how to implement them; and 3) apply knowledge learned from successful and challenging local re-development cases.

    b. **Academic Programs Catalog Text:**

    The Graduate Certificate in Urban Resilient trains students to gain knowledge about urban resilient redevelopment and to integrate sustainable principles that shape our built environments for current and future generations. The program is available online only.

    Requirements for the Graduate Certificate in Urban Resilient Redevelopment

			CREDITS
Students must complete 9 credits from the following:			
PDC	803	Advanced Domicology: Sustainable Built Environment	3
PDC	858	Land Use Planning and Housing	3
PDC	878	Redevelopment and the Climate Resilient City	3

Effective Fall 2021.

COLLEGE OF ARTS AND LETTERS

1.   Establish a **Graduate Certificate** in **Arts and Cultural Management** in the College of Arts and Letters. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its November 9, 2020 meeting.

a.   **Background Information:**

Arts and Cultural Management has existed as a successful undergraduate minor since Fall 2013 and as a master's program since Fall 2015. In 2018, arts and cultural management was combined at the master's level with the existent museum studies program. At that time, the museum studies program consisted of a long-time minor and graduate certificate, which was converted to a transcriptable graduate certificate in 2015. With the two fields now in an overarching program, it makes logical sense to offer a Graduate Certificate in Arts and Cultural Management to align with the Museum Studies certificate offering.

The certificate will provide an opportunity for both working professionals and graduate students in other MSU programs with opportunities to improve employment opportunities in creative and artistic positions, but to expand their knowledge around their correlate fields through building skills in management and administration. Just as its sister certificate, Museum Studies, the Arts and Cultural Management graduate certificate can serve as a feeder program for the master's degree, allowing working professionals to explore graduate study or choose to continue to a full master's degree. This certificate fills a gap in graduate learning activities at MSU. Faculty from the Theatre department, and from other departments such as Music, have noted that students have asked for many years for such an option. All the requirements are already in place, there are no new courses needed or extra costs involved. The certificate will draw from the existing master's level offerings.

b.   **Academic Programs Catalog Text:**

The Graduate Certificate in Arts and Cultural Management provides both working professionals and graduate students the opportunity to improve employment possibilities in creative and artistic positions while expanding their knowledge around related fields through building skills in management and administration.

Requirements for the Graduate Certificate in Arts and Cultural Management

			CREDITS
Students must complete 12 credits from the following:			
1. The following course (3 credits):			
ACM	801	Introduction to Arts, Cultural Management, and Museum Studies	3
2. One of the following courses (3 credits):			
ACM	868	Non-Profit Law for Arts, Cultural Management, and Museum Studies	3
ACM	869	Policy and Advocacy for Arts and Cultural Management	3
3. One of the following courses (3 credits):			
ACM	861	Strategic Planning, Human Capital and Financial Management for Arts, Cultural and Museum Management	3
ACM	862	Public Communications in Arts, Cultural and Museum Management	3
ACM	863	Event Management and Design for Arts and Culture	3
ACM	864	School and Community Education in Arts and Cultural Management	3
ACM	865	Leadership Development for Arts, Cultural, and Museum Management	3
ACM	866	Operations and Facilities Management in Arts and Cultural Management	3
ACM	867	Development and Fundraising Theory and Practice for Arts, Cultural and Museum Management	3
ACM	868	Non-Profit Law for Arts, Cultural Management, and Museum Studies	3

| ACM | 869 | Policy and Advocacy for Arts and Cultural Management | 3 |

ACM 868 and ACM 869 may not be used to fulfil both requirement 2. and 3.

4.   One of the following courses (3 credits):

| ACM | 871 | Internship in Arts and Cultural Management | 3 |
| ACM | 872 | Practicum in Arts and Cultural Management | 3 |

In cases where an outside internship or professional practicum is not possible, a substitution may be made with advisor approval.

Effective Fall 2021.

2.   Establish a **Master of Arts** degree in **Nonprofit Leadership, Global Cultures, and Social Enterprise** in the Department of Religious Studies. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its November 9, 2020 meeting.

a.   **Background Information:**

The Nonprofit Leadership, Global Cultures, and Social Enterprise master's program originated from faculty members in the Department of Religious Studies as a natural development of the existent Nonprofit Leadership undergraduate concentration in the bachelor's degree. The proposed program complements the existing undergraduate course offerings and emphasis. It is unique in combining practical understanding of Nonprofits (501c3) organizations with a distinctive emphasis on cultural knowledge in a global religious context.

This is a new and innovative online Revenue-Based Initiative [RBI] program that is unique because of its emphasis on global cultural knowledge and its home in the Department of Religious Studies in the College of Arts and Letters. There is no other Global Nonprofit Leadership initiative here at MSU. This fully online master's program is different than any other program offered in the State of Michigan. Central Michigan University includes a Master's of Public Administration in Nonprofit Management, and Grand Valley State University's Dorothy A. Johnson Center for Philanthropy offers a Master of Philanthropy degree that focus on areas like nonprofit management, marketing, program evaluation, grant making, and budgeting. While it does include practical skills like grant making or grants evaluation, the MSU proposed master's is centered in the College of Arts and Letters, and its course work explicitly connects global and cultural knowledge to international and national nonprofit activities. It also includes course work in areas of personal development for the nonprofit professional, providing a program distinctive not only in Michigan, but also nationally.

b.   **Academic Programs Catalog Text:**

The Master of Arts degree in Nonprofit Leadership, Global Cultures, and Social Enterprise is a transdisciplinary degree administered by the Department of Religious Studies in the College of Arts and Letters. Students will develop expertise in the national and international nonprofit, non-governmental organization, or philanthropic sectors in the context of global cultural knowledge. Emphasis will be placed on leadership, ethics, values, and human and ecological flourishing in civil society, particularly in a religious context. The areas of primary focus are: 1) nonprofit organizations and leadership; 2) global cultural and religious knowledge, ethics and values; 3) individual and cultural renewal and flourishing; and 4) social entrepreneurship. Practical application and social engagement is emphasized.

In addition to meeting the requirements of the university and the College of Arts and Letters, students must meet the requirements specified below.

Admission

To be considered for admission to the Master of Arts degree in Nonprofit Leadership, Global Cultures, and Social Enterprise students must:

1.   have a four-year bachelor's degree from a regionally or nationally accredited institution.
2.   have a cumulative undergraduate grade-point average of at least 3.0 in the last two years of undergraduate study.
3.   have a high degree of potential for advancement to an organizational leadership role.

4. submit an admissions portfolio consisting of a statement of purpose/letter of intent, a resume or curriculum vitae, three letters of recommendation, copies of official university or college transcripts, and one writing sample in standard American English (SAE).
5. have an ACM minimum TOEFL score of 90 on the non-native language proficiency test if the student is an international applicant.
6. submit a portfolio demonstrating professional experience or interest in nonprofit or philanthropic world.

Students who have deficiencies for regular admission to the program may be admitted provisionally. These deficiencies may require additional course work to make up the deficiencies. This course work will not count towards the requirements for the degree.

Requirements for the Master of Arts Degree in Nonprofit Leadership, Global Cultures, and Social Enterprise

At least 30 credits are required for the degree under Plan A (with thesis) or Plan B (without thesis). At least 15 credits must be at the 800-level. The students program of study is planned and approved in consultation with their advisor. The program is available only online.

CREDITS

Requirements for Both Plan A and Plan B
Complete a minimum of 26 credits from the following:
Cultural Knowledge

REL	817	Religion, Cultural Knowledge, and Nonprofits	2
REL	818	Global Religions, NGOs, and Social Change	2
REL	819	Religious Organizations and Civil Society in Asia	2
REL	820	Secularism, Publics, and Religions in Asia	2

Skills and Competencies Group

GNL	821	Values and Ethics in Applied Leadership	2
GNL	822	Cross Cultural Dialogue and Collaboration	2
GNL	823	Social Entrepreneurship, Innovation, and Religion	2
GNL	824	Social Entrepreneurship and Religion: Case Studies	2
GNL	825	Creativity in Organizations	2
GNL	826	Flourishing Under Stress	2

Structural Knowledge

GNL	827	Nonprofit Institutions and Civil Society in a Global Context	2
GNL	828	Nonprofit Governance	2
GNL	829	Nonprofits and the Legal Environment	2
GNL	830	Nonprofit and NGO Marketing and Fundraising	2
GNL	831	Grant-writing for Nonprofits	2

Other Relevant Courses

GNL	890	Independent Study	1 to 4
MGT	810	Human Resource Management for General Managers	2
MGT	840	Leadership and Team Management	2
MGT	842	Leading a Strategy Change	2

Students may enroll in a maximum of two of the MGT courses with approval of the MGT academic advisor.

Additional Requirements for Plan A
1. The following course:
    GNL   899   Master's Thesis Research   4
2. Completion of a master's thesis.

Additional Requirements for Plan B
1. Completion of 4 credits of additional course work to meet the requirement of 30 credits for the degree.
2. Completion of a final oral examination or evaluation.

Effective Fall 2021.

3.   Establish a **Master of Arts** degree in **Rhetoric and Writing** in the Department of Writing, Rhetoric and American Cultures. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its October 12, 2020 meeting.

   a.   **Background Information:**

   The department launched graduate programs in 2003 and have maintained two Master of Arts degree programs: one in Critical Studies in Literacy and Pedagogy and the second in Digital Rhetoric and Professional Writing. In the past few years, it has become evident that the majority of our current students are doing work that spans these two areas of emphasis. Although students apply to join and are admitted into one of the two programs, much of the work that students are pursuing and projects they are engaging span literacy, pedagogy, digital rhetoric, and professional writing.

   A second important contextual point is the changing professional standards and expectations, at state and national levels, which point toward the value of a named degree in writing (e.g., many community colleges require that instructors have "writing" in the name of the terminal degree to teach writing. Our master's in critical studies in literacy and pedagogy *is* a master's program focused on writing instruction and composition studies, but may not be recognized as such merely because "writing" does not currently appear in the degree name).

   A single master's program would instead allow us to best leverage our departmental strengths, and would also address the two issues mentioned above. A Master of Arts degree in Rhetoric and Writing would address confusion about the current two master's programs. Multiple applicants over the past few years have said they just "chose one" rather than strategically, deliberately selecting either critical studies in literacy and pedagogy, or digital rhetoric and professional writing. It also would provide students with a distinct, transcriptable degree in writing. There have been recent issues surfacing among critical studies in literacy and pedagogy graduates about their degree titles not including the term "writing" and thus fostering a misperception that their degrees aren't in writing studies and that they are not equipped to teach composition. The new master's allows for the creation of and marketing of the program around concentration areas that better represent the strengths of the program and department.

   Nationally, many certificate and master's programs in writing studies exist. Some are housed in stand-alone, vertical writing programs (like WRAC), but the majority are housed within English Departments. The new Master of Arts Degree in Rhetoric and Writing, if approved, in Fall 2021, will allow us to phase out the two other master's programs, critical studies in literacy and pedagogy, and digital rhetoric and professional writing. The intent is to put the two existent programs in moratorium during the transition. This is not a request to reinvent or to resuscitate a struggling master's program; rather, it is a request to rename strong programs with names that are more a legacy of when the programs were launched and less a descriptor of our current strengths.

   b.   **Academic Programs Catalog Text:**

   The Master of Arts Degree in Rhetoric and Writing is an innovative, flexible degree program focused on educating the next generation of humanities leaders and thinkers who will engage their work in both academic and professional contexts. The degree serves both as a professional degree for students interested in a technical and professional writing and a career track in industry, nonprofits, or in non-faculty roles in educational institutions, and as a preparatory degree for doctoral work in rhetoric, writing and composition studies, communication studies, or technical communication.

   The program provides students with a theoretically grounded yet practical experience in rhetoric and writing, and offers concentration areas for students to select from: Professional Writing and Technical Communication, Composition Studies and Writing Pedagogy, Digital Rhetorics, Cultural Rhetorics, and Custom Emphasis.

   Admission

   To be considered for admission to the Master of Arts degree in Rhetoric and Writing an applicant must:

   1.   Include in the letter required by the college, a statement that addresses the applicant's goals in pursuing the degree.

2.   Submit two writing samples demonstrating your ability to engage in graduate-level study.
3.   Three letters of reference.

To be admitted to the program on regular status, an applicant must have a baccalaureate degree in humanities, writing, communications or a related field and have a minimum grade-point average of 3.25.

In addition to meeting the requirements of the university and the College of Arts and Letters, students must meet the requirements specified below.

Requirements for the Master of Arts Degree in Rhetoric and Writing

The program is available under either Plan A (with thesis) or Plan B (without thesis). A total of 30 credits, of which no more than 12 credits at the 400-level, is required for the degree. The student's program of study must be approved by the program director. The student must meet the requirements specified below:

				CREDITS

Requirements for Both Plan A and Plan B:
1.   All of the following courses (9 credits):

WRA	805	Rhetoric Theory and History	3
Or			
WRA	882	Contemporary Theories of Rhetoric	3
WRA	810	Writing, Composing, Designing, Making	3
WRA	886	Master's Research Colloquium	3

2.   One of the following concentrations (21 credits):

Professional Writing and Technical Communication
1.   All of the following courses (12 credits):

WRA	420	Content Strategy	3
WRA	453	Grant and Proposal Writing	3
Or			
WRA	483	Community Publishing	3
WRA	841	Professional Writing Theory and Practice	3
WRA	893B	Internship in Professional Writing	3

2.   Complete a minimum of 9 additional credits selected in consultation with the program director.

Composition Studies and Writing Pedagogy
1.   All of the following courses (12 credits):

WRA	870	Research Methodologies in Rhetoric and Writing	3
WRA	878	Composition studies: Issues, Theory and Research	3
WRA	888	Methods in the Teaching of College-Level Writing	3
WRA	891	Special Topics in Rhetoric and Writing	3
Or			
WRA	889	Writing Center Theory and Administration	3

2.   Complete a minimum of 9 additional credits selected in consultation with the program director.

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

WRA	415	Digital Rhetoric	3
WRA	841	Professional Writing Theory and Research	3
WRA	860	Multimodal Composing Theory and Practice	3

2.   Complete a minimum of 12 additional credits selected in consultation with the program director.

Cultural Rhetorics
1.   All of the following courses (12 credits):

WRA	882	Contemporary Theories of Rhetoric	3
WRA	848	Cultural Rhetorics Theory and Methodology	3
WRA	891	Special Topics in Rhetoric and Writing	6

WRA 891 should be completed in two different offerings.
WRA 882 may not be double-counted in the core requirement.
2.   Complete a minimum of 9 additional credits selected in consultation with the program director.

Custom Emphasis
Students will complete 21 credits determined in consultation with the student's advisor.

Elective Courses Available for Concentrations

WRA	401	Rhetoric, Leadership, and Innovation	3
WRA	410	Advanced Web Authoring	3
WRA	415	Digital Rhetoric	3
WRA	420	Content Strategy	3
WRA	441	Social Justice as Rhetorical Practice	3
WRA	453	Grant and Proposal Writing	3
WRA	455	Portfolio Seminar	3
WRA	471	Rhetoric of Grammar	3
WRA	480	Publication Management	3
WRA	482	Information and Interaction Design	3
WRA	483	Community Publishing	3
WRA	484	Ethics in Writing	3
WRA	491	Special Topics	3
WRA	495	Advanced Studies in Writing and Tutoring Pedagogy	1
WRA	805	Rhetoric Theory and History	3
WRA	841	Professional Writing Theory and Research	3
WRA	848	Cultural Rhetorics Theory and Methodology	3
WRA	853	Workshop in Rhetoric and Writing	3
WRA	860	Multimodal Composing Theory and Practice	3
WRA	870	Research Methodologies in Rhetoric and Writing	3
WRA	872	Methods of Research in Rhetoric and Writing	3
WRA	878	Composition Studies: Issues, Theory, and Research	3
WRA	882	Contemporary Theories of Rhetoric	3
WRA	888	Methods in the Teaching of College-Level Writing	3
WRA	889	Writing Center Theory and Administration	3
WRA	891	Special Topics in Rhetoric and Writing	3
WRA	893B	Internship in Professional Writing	3
WRA	893D	Internship in Literacy and Pedagogy	3
WRA	992	Seminar in Literacy Studies	3

Additional 400- or 800-level course work outside the department may be available with approval of the advisory committee and the Director of Graduate Studies.

Additional Requirements for Plan A
1.   Complete 4 to 6 credits of WRA 899 Master's Thesis Research.
        These credits will count towards the credits for the concentration.
2.   Pass a final oral certifying examination in defense of the thesis and course work.

Additional Requirements for Plan B
1.   Complete an additional 3 to 6 credits of course work from the list of electives above.
        These credits will count towards the credits for the concentration.
2.   Pass a final certifying examination on the course work or complete a final portfolio and pass a final oral examination on the portfolio.

Effective Fall 2021.

<u>ELI BROAD COLLEGE OF BUSINESS</u>

1.   Establish a **Master of Science** degree in **Financial Planning and Wealth Management** in the Department of Finance. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its October 12, 2020 meeting.

   a.   **Background Information:**

   Companies and individuals in the financial planning and wealth management industry have approached the Department of Finance in recent years and asked that we increase the number of our students with academic training in the industry. The industry employs approximately 300,000 financial planners and wealth managers in the United States, and approximately one-third of these are approaching retirement age. There clearly is a demand for qualified individuals in this industry.

   A career as a financial advisor is one of the most rewarding careers for those who enjoy enabling others to reach their goals and live better lives. This career path involves a lot more than setting asset allocations or picking the right stocks, bonds and mutual funds—it's all about relationships.

   The title "financial advisor" is a broad description of many other types of careers you can have in this field. Other jobs include chief investment officer, portfolio manager, relationship manager, financial planner, investment analyst, trust officer, retirement plan specialist and account executive.

   The Certified Financial Planner (CFP) designation is highly recommended for this career track, and this designation is a key goal for students in the program. The CFP designation is the most prominent certification in the industry and is required for many jobs in the industry.

   The Department of Finance has a strong presence in this field through its undergraduate Finance curriculum. The department also currently partners with the Certified Financial Planner Board of Standards Inc. (CFP Board) and its Certified Financial Planner (CFP) designation in an effort to develop the financial services market.

   CFP Board is a Washington, D.C.-based independent 501(c)(3) non-profit organization whose mission is to benefit the public by granting, upholding and promoting the Certified Financial Planner (CFP®) certification. Those who earn the certification are distinguishing themselves among their peers by meeting CFP Board's education, examination, experience and ethics requirements. Students completing the financial planning program at Michigan State University will have met the education requirement for CFP® certification examination administered by CFP Board.

   CFP Board currently oversee more than 300 programs at more than 200 institutions. CFP Board-registered programs are financial planning education programs at the college or university level that meet specific criteria for educating individuals who wish to fulfill the education component for obtaining CFP® certification.

   b.   **Academic Programs Catalog Text:**

   The Master of Science degree in Financial Planning and Wealth Management is designed to develop the knowledge and skills necessary to thrive in the field of financial planning and wealth management. The program develops knowledge of the industry's financial, accounting, taxation, and regulatory environments, as well as the art of relationship management and the importance of individual client differences.

   Admission

   Students may begin the program in any semester, as space permits. Applications for summer or fall admission must be received by March 15. Applications for spring admission must be received by October 1.

   To be considered for admission to the program, applicants must:
   1.   submit a completed application packet to the Director of the program, available on the program Web site.
   2.   take the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) and have the scores submitted to the program Director. The GMAT test must be taken not more than five years or the GRE not more than two years prior to the submission of the application for admission to the program. Current Michigan State

University students with an overall grade-point average of 3.0 or higher are not required to take the GMAT or GRE.

The minimum standards for admission to the program are:
1. a bachelor's degree from a recognized educational institution with a minimum grade-point average of 3.0
2. completion of the following prerequisite courses, or their equivalents at MSU or at another institution:
   a. an introduction to accounting
   b. probability and statistics
3. a strong GMAT/GRE score. Students with qualifying credentials may be able to waive the GMAT/GRE requirement. Applicants should consult with the program Director to see if they are eligible for the waiver.

Admission to the program is competitive and subject to space availability. The program accepts qualified applicants whose undergraduate degree is not in business or finance.

Meeting the minimum standards listed above does not guarantee admission. The applicant's overall record is considered including letters of recommendation, the student's statement of objectives, any relevant work experience, extra-curricular activities, and TOEFL or IELTS scores when appropriate.

Requirements for the Master of Science Degree in Financial Planning and Wealth Management

The program is available under Plan B (non-thesis). A total of 30 credits are required for the degree, as described below.

			CREDITS
1.	Students must complete 18 credits from the following:		
FI	801	Managerial Finance	3
FI	830	Introduction to Financial Planning and Wealth Management	3
FI	832	Principles of Insurance and Risk Management	3
FI	836	Estate and Income Tax Planning	3
FI	838	Advanced Financial Planning and Wealth Management	3
FI	850	Introduction to Investments I	1.5
FI	851	Introduction to Investments II	1.5
2.	Complete an additional 12 credits from an approved list of elective courses available from Department of Finance.		
3.	Completion of a final examination or evaluation.		

Academic Standards

Students who are enrolled in the Master of Science Degree in Financial Planning and Wealth Management program are expected to maintain a minimum grade-point average of 3.0 each semester, as well as a minimum cumulative grade-point average of 3.0. A student who does not maintain a 3.0 grade-point cumulative average will be placed on probation. Such a student will be given the next semester of enrollment to achieve a 3.0 grade-point cumulative average, otherwise, dismissal from the program will result.

The Program Director is responsible for monitoring the progress of students who are enrolled in the program. A policy statement containing additional information relative to academic standards is available from the Director.

Effective Fall 2021.

2.   Establish a **Graduate Certificate** in **Financial Planning and Wealth** Management in the Department of Finance. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its October 12, 2020 meeting.

a.   **Background Information:**

Companies and individuals in the financial planning and wealth management industry have approached the Department of Finance in recent years and asked that we increase the number of our students with academic training in the industry. The industry employs approximately 300,000 financial planners and wealth managers in the United States, and approximately one-third of these are approaching retirement age. There clearly is a demand for qualified individuals in this industry.

A career as a financial advisor is one of the most rewarding careers for those who enjoy enabling others to reach their goals and live better lives. This career path involves a lot more than setting asset allocations or picking the right stocks, bonds and mutual funds—it's all about relationships.

The title "financial advisor" is a broad description of many other types of careers you can have in this field. Other jobs include chief investment officer, portfolio manager, relationship manager, financial planner, investment analyst, trust officer, retirement plan specialist and account executive.

The Certified Financial Planner (CFP) designation is highly recommended for this career track, and this designation is a key goal for students in the program. The CFP designation is the most prominent certification in the industry and is required for many jobs in the industry.

The Department of Finance has a strong presence in this field through its undergraduate Finance curriculum. The department also currently partners with the Certified Financial Planner Board of Standards Inc. (CFP Board) and its Certified Financial Planner (CFP) designation in an effort to develop the financial services market.

CFP Board is a Washington, D.C.-based independent 501(c)(3) non-profit organization whose mission is to benefit the public by granting, upholding and promoting the Certified Financial Planner (CFP®) certification. Those who earn the certification are distinguishing themselves among their peers by meeting CFP Board's education, examination, experience and ethics requirements. Students completing the financial planning program at Michigan State University will have met the education requirement for CFP® certification examination administered by CFP Board.

CFP Board currently oversee more than 300 programs at more than 200 institutions. CFP Board-registered programs are financial planning education programs at the college or university level that meet specific criteria for educating individuals who wish to fulfill the education component for obtaining CFP® certification.

b.   **Academic Programs Catalog Text:**

The Graduate Certificate in Financial Planning and Wealth Management is designed to develop the knowledge and skills necessary to thrive in the field of financial planning and wealth management. The program develops knowledge of the industry's financial, accounting, taxation, and regulatory environments, as well as the art of relationship management and the importance of individual client differences.

Admission

Students may begin the program in any semester, as space permits. Applications for summer or fall admission must be received by March 15. Applications for spring admission must be received by October 1.

To be considered for admission to the program, applicants must:
1.   submit a completed application packet to the Director of the program, available on the program Web site.
2.   take the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) and have the scores submitted to the program Director. The GMAT test must be taken not more than five years or the GRE not more than two years prior to the submission of the application for admission to the program. Current Michigan State University students with an overall grade-point average of 3.0 or higher are not required to take the GMAT or GRE.

The minimum standards for admission to the program are:
1.   a bachelor's degree from a recognized educational institution with a minimum grade-point average of 3.0
2.   completion of the following prerequisite courses, or their equivalents at MSU or at another institution:
      a.   an introduction to accounting
      b.   probability and statistics
3.   a strong GMAT/GRE score. Students with qualifying credentials may be able to waive the GMAT/GRE requirement. Applicants should consult with the program Director to see if they are eligible for the waiver.

Admission to the program is competitive and subject to space availability. The program accepts qualified applicants whose undergraduate degree is not in business or finance.

Meeting the minimum standards listed above does not guarantee admission. The applicant's overall record is considered including letters of recommendation, the student's statement of objectives, any relevant work experience, extra-curricular activities, and TOEFL or IELTS scores when appropriate.

Requirements for the Graduate Certificate in Financial Planning and Wealth Management
                                                                                           CREDITS
Students must complete 18 credits from the following:

FI	801	Managerial Finance	3
FI	830	Introduction to Financial Planning and Wealth Management	3
FI	832	Principles of Insurance and Risk Management	3
FI	836	Estate and Income Tax Planning	3
FI	838	Advanced Financial Planning and Wealth Management	3
FI	850	Introduction to Investments I	1.5
FI	851	Introduction to Investments II	1.5

Other classes may be used to fulfill these requirements with department approval. Students that are continuing their education at MSU may substitute up to 9 credits in their program from equivalent 400-level courses in Finance taken in their undergraduate program. The department maintains a list of course equivalencies for courses in the Department of Finance.

Academic Standards

Students who are enrolled in the Graduate Certificate in Financial Planning and Wealth Management program are expected to maintain a minimum grade-point average of 3.0 each semester, as well as a minimum cumulative grade-point average of 3.0. A student who does not maintain a 3.0 grade-point cumulative average will be placed on probation. Such a student will be given the next semester of enrollment to achieve a 3.0 grade-point cumulative average, otherwise, dismissal from the program will result.

The Program Director is responsible for monitoring the progress of students who are enrolled in the program. A policy statement containing additional information relative to academic standards is available from the Director.

Effective Fall 2021.

3.   Establish a Linked **Bachelor of Arts Degree in Finance** and **Master of Science Degree in Financial Planning and Wealth Management** in the Department of Finance. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its October 15, 2020 meeting. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its October 12, 2020 meeting.

Per University policy:

A candidate for a Linked Bachelor's-Master's Degree from Michigan State University may request the application of up to 9 credits toward the master's program for qualifying 400-level and above course work

taken at the undergraduate level at Michigan State University or another postsecondary accredited institution of comparable academic quality. The number of approved credits, not to exceed 9, are applied toward the credit requirement of the master's degree. Some colleges with programs that require more than 30 credits for the master's degree may apply more than 9 credits toward the master's degree but not more than 30% of the total number of credits required for the master's degree. Credits applied to the Linked Bachelor's-Master's Program are not eligible to be applied to any other graduate degree program.

a.   Add the following statement in the Department of Finance:

LINKED BACHELOR'S-MASTER'S DEGREE IN FINANCIAL PLANNING AND WEALTH MANAGEMENT
Bachelor of Arts Degree in Finance
Master of Science Degree in Financial Planning and Wealth Management

The department welcomes applications from Michigan State University undergraduate students in the Finance major in their junior and senior year. Admission applications must be made during the prior spring semester for an anticipated spring graduation or the prior fall semester for an anticipated fall graduation to allow admission before the final semester as a Finance undergraduate. Admission to the Linked Bachelor's-Master's program requires admission to the Master of Science in Financial Planning and Wealth Management degree program, completion of the required prerequisites for the master's program, and an approved program of study for the Master of Science degree at the time of admission. Admission to the Linked Bachelor's-Master's program allows the application of up to 9 credits toward the master's program for qualifying 400-level and above course work taken at the undergraduate level at Michigan State University or an external accredited institution. The number of approved credits, not to exceed 9, are applied toward the credit requirement of the master's degree. Credits applied to the Linked Bachelor's-Master's program are not eligible to be applied to any other graduate degree program.

Effective Fall 2021.

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 course:

ADV   260   Principles of Public Relations   3

Add the following course:

PR   260   Principles of Public Relations   3

Effective Fall 2021.

2.   Change the requirements for the **Doctor of Philosophy** degree in **Communication** in the Department of Communication. The University Committee on Graduate Studies (UCGS) approved this request at its January 11, 2021 meeting.

a.   Under the heading **Requirements for the Doctor of Philosophy Degree in Communication** replace the entire entry with the following:

The student must:

1.   Earn a Master of Arts degree, or equivalent, prior to being awarded the Doctor of Philosophy degree.

2.   Complete the following core courses, typically during the first year in the doctoral program (16 credits):

COM	801	Communication Research I	4
COM	802	Communication Research II	4
COM	901	Communication Research Design I	4
COM	902	Communication Research Design II	4

3.   Earn a grade-point average of 3.25, or the student will be eligible for elimination from the program.

4.   Earn no two grades below 3.0 in any of the evaluative structures the department uses to evaluate doctoral students, including course work, research team, or faculty evaluations of student teaching, or the student will be eligible for elimination from the program.

5.   Earn a minimum of an additional 26 credits of course work agreed upon and approved by the student's guidance committee.

6.   Complete a minimum of 24 credits and no more than 36 credits, of COM 999 Doctoral Dissertation Research.

7.   Write and successfully defend a preliminary research paper or comprehensive exam.

8.   Write and successfully orally defend the dissertation.

Effective Fall 2021.

3.   Establish a **Bachelor of Science** degree in **Communicative Sciences and Disorders** in the Department of Communicative Sciences and Disorders. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its December 3, 2020 meeting.

a.   **Background Information:**

The primary reasons for re-establishing an undergraduate major in Communicative Sciences and Disorders (CSD) are: student demand, strength of the Communicative Sciences and Disorders department, and versatility in career options for undergraduate students who complete the proposed program.

At the end of the 2019-2020 academic year there were 150 students pursing the minor in Communicative Sciences and Disorders. This number has been on an upward trajectory for the prior 5 years, increasing by 50% from 2014. CSD course enrollments by calendar year has increased by 70% from 2014 to 2020. Exit survey data from 2018 and 2019 indicated that 100% of MSU students graduating with a CSD minor wanted a CSD major. College of Communication Arts and Sciences (CAS) advisors and others in the college undergraduate administration report frequent inquiries from current and prospective students about whether a CSD major is offered. Establishing the CSD major will ensure that MSU does not lose strong prospective undergraduate students who know they want to major in CSD to other universities locally and nationwide.

The growth of the minor is impressive considering the challenges that MSU undergraduates face when choosing CSD training. Currently, students must complete a non-CSD major even though they have a specific interest in a CSD major. They complete the CSD minor (21 credits) but must also take 6 additional CSD credit hours that are not part of the major in order to be competitive for graduate school admission for a master's in speech-language pathology or clinical doctorate in audiology. Communication with other CSD programs in the state indicate that graduate programs are looking for these additional CSD courses that are not part of our CSD minor. Further, additional undergraduate course work in statistics and social, biological, and physical sciences (typically 12 credit hours) are specifically mandated by national certification standards for students interested in pursuing a graduate degree for clinical practice. That is, in addition to the 21 credits in the CSD minor, students must take approximately 18 additional credit hours that may or may not contribute to the major they are pursing.

There are eight institutions in the state of Michigan offering an undergraduate major in CSD or Speech-Language-Hearing Sciences/Pathology. Based on data on undergraduate enrollment in CSD programs published by the American Speech-Language-Hearing Association (*https://find.asha.org/ed#sort=relevancy*), the MSU Department of Communicative Sciences and Disorders currently trains the second largest number of undergraduates in CSD through our minor compared to enrollments in the majors at each of the other Michigan universities. We do not anticipate that re-establishing the CSD major at MSU will substantially impact enrollment in CSD majors at other universities in Michigan. Rather, we anticipate about the same number of students

who are choosing MSU with a non-CSD major plus the CSD minor to opt, instead, to select the reestablished CSD major. The reason they would do this is because the primary career objective for nearly all of them is to be a speech-language pathologist or audiologist. The shift to a major will essentially result in neutral growth in the statewide pool of undergraduates interested in pursuing a graduate degree in CSD although this may increase to some extent as the major grows. Based on historical data from MSU between 1996 – 2010 when there was an undergraduate major in CSD, the average number of students in the major was approximately 200 in a given academic year. Re-establishing a CSD major at this time is likely to approximate that enrollment.

The Department of Communicative Sciences and Disorders has grown in faculty size as well as depth and breadth of expertise over the past several years. Research productivity, grant activity, and teaching excellence are high and on a continued upward trajectory. This has resulted in increased capacity to train students at all levels, including undergraduates. At the undergraduate level, this is reflected in the course enrollment trend from 2014 to the present noted above (70% course enrollment increase). At the graduate level, there has been significant growth in the Ph.D. program in terms of enrollment and graduation of students. Training at the master's level has been strengthened by the departmental growth although enrollment is constrained by the need for clinical placements in the community. The Department of Communicative Sciences and Disorders is in an excellent position to re-establish and sustain an undergraduate major in CSD that is in demand by students.

The CSD major will allow students who attain the degree to pursue a variety of career options. It is the case that the majority express a desire to be a speech-language pathologist or audiologist, and nearly all will apply to graduate schools to complete the required training to achieve that goal. Strong undergraduate CSD training at MSU will prepare students who are competitive in the application process to attend the master's degree program in CSD at MSU and other graduate programs in the state and across the nation. As referenced above, the 21 credits that constitute the minor includes most but not all of the foundational course work that graduate programs generally require (e.g., phonetics, introduction to communication disorders), requiring students to take additional credits outside of the minor and outside of their chosen major. In the proposed major, a rich curriculum includes all of the content that CSD graduate programs look for in successful applicants.

The CSD major includes training and learning outcomes that will prepare students for other options if they choose not to pursue, or are unsuccessful in acquiring a spot for, a clinical graduate degree in CSD. Those who want to stay within the CSD field and who have an interest in research can consider pursuit of a Ph.D. For the past two decades, the American Speech-Language-Hearing Association (ASHA) has documented and attempted to address serious shortages in the number of Ph.D.-level academic-researchers in CSD (ASHA, 2002; ASHA, 2008). While some progress has been made (ASHA, 2018), in the most recent CSD Education Survey: 2018-2019 academic year from ASHA, the most frequently identified "major factor" impacting enrollment in Ph.D. programs (76 of 82 Ph.D. degree granting programs (93%) responding) was "insufficient number of qualified applicants." Additionally, the "percent filled capacity" in Ph.D. programs steadily increased from 34% in 2008-2009 to a peak of 62% in 2014-2015, but has steadily declined since to 45% in 2018-2019. A similar decline in Ph.D. degrees granted has occurred in recent years from a peak of 201 in 2014-2015 to 142 in 2018-2019. The new CSD major will prepare students with the foundational knowledge in the science of communication and its disorders, and it will foster interest in research careers to help build a stronger and deeper pool of applicants to CSD Ph.D. programs. This includes establishing a pipeline to the MSU Department of CSD's own doctoral program.

Preparation in the new CSD major also can serve as a launching point into other graduate programs or careers. The study of human communication – normal and disordered – is at the core of CSD training and it is achieved from perspectives that include the social, biological, physical, statistical, and cognitive sciences (ASHA, 2015a). The proposed program incorporates the directive from ASHA to ground undergraduate CSD education from an interdisciplinary framework that emphasizes valuable skills in "critical thinking, quantitative reasoning, higher order reading and writing, and oral communication" (p.1, ASHA 2015b), and doing so from both a basic and applied science perspective. This training will be valued in graduate programs outside of CSD. Within CAS, for example, programs such as the Master's in Health and Risk Communication or the Ph.D. in Communication with an emphasis in health communication or interpersonal communication would be excellent graduate degrees to consider. For students graduating with the undergraduate CSD major who do not choose graduate school, or who do not secure a spot in graduate school, careers in education, health care, communication, and human services will be possibilities. For example, work within sales professions – particularly those related to science, health, or education – are

within reach given the scientific, interdisciplinary training that emphasizes strong communication and collaboration skills. Other careers such as Applied Behavior Analysis technician or speech-language pathology assistant are also within reach.

In establishing the CSD major, the current CSD minor will remain in existence. The number of MSU undergraduates choosing the minor is expected to decrease markedly when the major is available. However, there are some students now and expected in the future whose primary interest lies outside of CSD, but for whom the minor provides complimentary training to serve their career goals.

b.   **Academic Programs Catalog Text:**

The Bachelor of Science degree in Communicative Sciences and Disorders trains students in the understanding of both normal and disordered aspects of speech, language, hearing, and swallowing. The major is designed to equip students with knowledge and emerging skills for the diagnosis and treatment of communication disorders. Primary areas of emphasis are placed on critical thinking and understanding of scientific inquiry as it relates to communication disorders. Students in the major will also learn and practice oral and written communication skills, develop as a reflective learner, and demonstrate growth in professional communication skills. An additional area of emphasis for student learning is understanding issues of diversity, inclusion, equity, and ethical practice within the field of communicative sciences and disorders. Collaboration, teamwork, and interprofessional knowledge and skill development are critical areas of focus for students in the major to prepare them to effectively contribute to the profession of communicative sciences and disorders and to society at large. Majors will commonly pursue graduate degrees in speech-language pathology or audiology. The knowledge and skills acquired in the major can also serve as preparation for other graduate degree programs or for careers in educational, healthcare, and business settings that value scientific training, strong communication skills, and the ability to work collaboratively.

Requirements for the Bachelor of Science Degree in Communicative Sciences and Disorders

1.   The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of the catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Communicative Sciences and Disorders.
            The University's Tier II writing requirement for the Communicative Sciences and Disorders major is met by completing Communicative Sciences and Disorders 470 and 472. Those courses are referenced in item 3. below.
2.   The requirements of the College of Communication Arts and Sciences for the Bachelor of Science degree.
3.   The following requirements for the major:

			CREDITS
a.	All of the following courses with a cumulative grade-point average of 2.00 or higher in CSD 203, 213, 232, 303, 313, and 333 (36 credits):		
CSD	203	Introduction to Communicative Sciences and Disorders	3
CSD	213	Anatomy and Physiology of the Speech and Hearing Mechanisms	3
CSD	232	Descriptive Phonetics	3
CSD	303	Fundamentals of Hearing and Audiometry	3
CSD	313	Speech Science	3
CSD	333	Language Development	3
CSD	364	Evaluation Procedures in Speech-Language Pathology	3
CSD	391	Clinical Methods in Communication Disorders	3
CSD	444	Clinical Procedures in Audiology and Aural Rehabilitation	3
CSD	463	Intervention Procedures in Speech-Language Pathology	3
CSD	470	Introduction to Developmental Communicative Disorders (W)	3
CSD	472	Introduction to Acquired Communicative	

			Disorders (W)	3

The completion of CSD 470 and 472 satisfies the capstone/synthesis requirement for the Communicative Sciences and Disorders major.

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

PSY	295	Data Analysis in Psychological Research	3
STT	200	Statistical Methods	3

c. One of the following courses (3 or 4 credits):

ANP	201	Introduction to Cultural Anthropology	3
PSY	101	Introductory Psychology	4
SOC	100	Introduction to Sociology	4

d. One of the following courses (3 credits):

ISB	202	Applications of Environmental and Organismal Biology	3
ISB	204	Applications of Biomedical Sciences	3

e. One of the following courses (3 credits):

ISP	209	The Mystery of the Physical World	3
ISP	215	The Science of Sound	3
ISP	220	Quarks, Spacetime, and the Big Bang	3

f. One of the following courses (2 credits):

ISB	208L	Applications in Biological Science Laboratory	2
ISP	209L	The Mystery of the Physical World Laboratory	2

g. One of the following courses (3 or 4 credits):

LIN	200	Introduction to Language	3
LIN	401	Introduction to Linguistics	4
LIN	450	Child Language Acquisition	3

h. One of the following courses (3 credits):

HDFS	211	Child Growth and Development	3
HDFS	225	Lifespan Human Development in the Family	3
PSY	238	Developmental Psychology: Lifespan	3
PSY	244	Developmental Psychology: Infancy Through Childhood	3

i. A minimum of 3 credits from the following courses:

COM	310	Intercultural Communication	3
COM	320	Diversity and Communication	3
CSD	419	International Aspects of Communicative Disorders	1 to 6
LIN	225	Language and Gender	3
LIN	471	Sociolinguistics	3

j. One of the following courses (3 credits):

LIN	455	Neurolinguistics	3
LIN	463	Introduction to Cognitive Science	3
PSY	209	Brain and Behavior	3
PSY	301	Cognitive Neuroscience	3

k. **Electives**:

Additional credits in CSD courses can be taken as electives. Topics in Communicative Sciences and Disorders (CSD 491) are encouraged to increase breadth and depth of training in communicative sciences and disorders. Only credits in courses graded on the numerical or Pass-No Grade system may be counted toward the requirements for the Communicative Sciences and Disorders major. Communicative Sciences and Disorders students may not enroll in courses required for the major, including courses in other departments, on a Credit-No Credit basis.

Effective Fall 2021.

4.   Establish a **Bachelor of Arts** degree in **Digital Storytelling** in the School of Journalism. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its December 3, 2020 meeting.

The concentrations in the Bachelor of Arts degree in Digital Storytelling will be noted on the student's academic record when the requirements for the degree have been completed.

a.   **Background Information:**

Faculty from the Department of Media and Information joined the School of Journalism effective January 2020. This restructure was built by an understanding that there were overlapping skills and productions between faculties in the two areas. To best serve student demand and the academic experience, the college felt it was necessary to capitalize on the synergies of supporting faculty and incorporate the digital production courses from the Department of Media and Information into the School of Journalism under the Digital Storytelling umbrella.

Furthermore, students and faculty in the School of Journalism have a wide array of interests and expertise that coincide with the curriculum offered by the Digital Storytelling degree so it is a natural fit to add the new program into the offerings of the School of Journalism. Journalism faculty are experts in the areas of concentration and journalism students can benefit by having the ability to hone specific skills that add depth to their marketability. The addition of this degree offering will allow students to best navigate a thoughtful degree program with concentration areas that will serve them immediately.

The Bachelor of Arts Degree in Digital Storytelling is built on the concept of converging methods and careers in the media industry. Producers, students and instructors in digital storytelling are collaborative by nature. Synergies with journalistic endeavors exist fundamentally in production and theoretical elements within the program. Research and production in the digital storytelling realm naturally fit within the scope and target of the School of Journalism at Michigan State University.

The major in digital storytelling is unique from related programs both at Michigan State University and statewide. The approach taken in the digital storytelling program is based on an understanding and implementation of the converging nature of the related fields and technologies.

Comparatively to other programs at Michigan State University, the Bachelor of Arts degree program in Digital Storytelling is distinctive in that it combines course work across the disciplines of animation, audio storytelling, filmmaking, and multicamera production. Other units on campus have a more specific approach of film studies as an exclusive topic.

MSU acknowledges there are related programs at Central Michigan, Eastern Michigan, Ferris State, Grand Valley, University of Michigan, and Western Michigan, but, when compared to related programs across the state of Michigan, the digital storytelling major stands out again as having a holistic approach while allowing students to gain expertise in their specific fields of interest. Programs often focus on either theoretical studies or hands-on implementation, whereas the digital storytelling program combines these practices while also giving students the flexibility later in their careers by preparing them for the changing media landscape. The conceptual and technical skills in related programs often focus on a single or small grouping of career fields.

b.   **Academic Programs Catalog Text:**

Digital storytelling is the foundation for the world of media. The Bachelor of Arts degree in Digital Storytelling prepares students for a career in a media-focused world and provides them with the tools and techniques needed for creative, entrepreneurial and analytical processes and production. Graduates are prepared for a multitude of career paths -- film, television, corporate communications, digital advertising, new media—anything that involves using sound and image to entertain, inform and/or educate. The digital storytelling major has an interdisciplinary focus with courses from Communication Arts and Science, Film Studies, Journalism, and Media and Information.

The program of study encompasses a common core with foundational and supplementary courses. Students must choose one of the following 12-credit transcriptable concentrations or a 15-credit minor:

The ***Animation Concentration*** focuses on the production and theory of animated works in storytelling. Students completing this concentration will be prepared for understanding and producing stories via animation. Students will gain a background in the theoretical and practical uses of the animated form.

The ***Audio Storytelling Concentration*** is focused on storytelling through the art and science of production through audio. Students gain hands-on experience producing stories through sound for audio-based models such as terrestrial broadcast radio, satellite radio and web-based distribution and podcasts. Students will learn the fundamentals of audio technology, delivery and presentation, sound design and theory, and industry organization and business concepts.

The ***Filmmaking Concentration*** focuses on filmmaking – both fiction and non-fiction in focus. Students learn pre-production, production, and post-production techniques and design principles involved in documentary and fiction film. Students also gain experience in producing, directing, and managing media projects for distribution on multiple platforms including broadcast, cable, mobile networks, and the Internet.

The ***Multicam Production Concentration*** focuses on media production using industry multi-camera approaches. Students will learn hands-on multicam techniques for broadcast television and related fields. This concentration emphasizes theory and execution of live directing and production of multicam broadcasts. Students will establish an understanding of production techniques for media distribution including traditional broadcast, mobile networks and web formats.

The ***Minor in Documentary Production*** introduces undergraduates to the history, theory, and production of documentary media. Documentary production focuses on issues of media, representation, and reality. It engages directly with the fundamental understanding of how the world is presented, represented, distorted, structured, and shaped. Interpretation and representation of reality constitutes a central axis of inquiry and debate. By integrating production and analysis, students in this minor produce theoretically informed work and develop a cutting-edge understanding of the challenges inherent in representing reality.

The ***Minor in Fiction Filmmaking*** educates students in the history, theory, and production of fiction film. Students who enroll in this minor combine practical skills in production with conceptual training in film studies to produce theoretically informed work while developing an understanding of the challenges of creating high-quality films.

Requirements for the Bachelor of Arts Degree in Digital Storytelling
1.   The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of the catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Digital Storytelling.
        The University's Tier II writing requirement for the Digital Storytelling major is met by completing one of the following courses: Digital Storytelling 411B or 435B or 441 or 442A or 442B or 442C or 443, or Journalism 312. Those courses are referenced in item 3. below.
2.   The requirements of the College of Communication Arts and Sciences for the Bachelor of Arts degree.
3.   The following requirements for the major:

			CREDITS
a.	All of the following core courses with a minimum grade-point average of 2.0 (12 credits):		
CAS	112	Story, Sound and Motion	3
DS	103	Media History	3
DS	113	Story, Sound and Motion II	3
JRN	108	The World of Media	3
b.	Complete a concentration or minor (12 to 15 credits):		

Animation
1.   Complete the following courses (9 credits):

JRN	212	2D Animation Storytelling	3
JRN	312	Stop Motion Animation Storytelling (W)	3
JRN	413	3D Animation Storytelling	3

2.   One of the following courses (3 credits):

JRN	412	Scoring for Moving Pictures	3
MI	337	Compositing and Special Effects	3

Audio Storytelling

1. Complete three of the following courses (9 credits):

DS	243	Audio Storytelling	3
DS	343	Podcasting	3
DS	344	Sound Design for Storytelling	3
JRN	412	Scoring for Moving Pictures	3

2. Complete the following course (3 credits):

DS	443	Advanced Audio Design (W)	3

Filmmaking

1. Complete the following courses (9 credits):

DS	241	Filmmaking I: Basics of Film Production	3
DS	341	Filmmaking II: Creating Short Films	3
DS	441	Filmmaking III: Advanced Filmmaking Capstone (W)	3

2. One of the following courses (3 credits):

DS	311	Introduction to Documentary Filmmaking	3
DS	351	Producing for Cinema and Television	3
DS	409	Advanced Lighting and Camera Techniques	3
DS	440	Advanced Video Editing	3
FLM	334	Introduction to Screenwriting (W)	3

Multicam Production

1. Both of the following courses (6 credits):

DS	242	Multicam Production I	3
DS	342	Multicam Production II	3

2. Two of the following courses, one of which must be DS 442A, DS 442B, or DS 442C:

DS	442A	Multicam Production for Arts (W)	3
DS	442B	Multicam Production for Sports (W)	3
DS	442C	Multicam Production for News (W)	3
THR	411	Stage Lighting Design	3
THR	416	Stage Sound Design	3

Students may choose to complete one of the following minors (15 credits):

Documentary Production or Fiction Filmmaking. Students should consult the *Academic Programs* catalog statement in the department that administers the minor to learn the requirements.

c. Complete a minimum of 12 elective credits of courses from the following:

DS	202	Writing for Digital Storytelling	3
DS	211	Documentary Film History and Theory	3
DS	241	Filmmaking: Basics of Film Production	3
DS	242	Multicam Production I	3
DS	243	Audio Storytelling	3
DS	311	Introduction to Documentary Filmmaking	3
DS	341	Filmmaking: Creating Short Films II	3
DS	342	Multicam Production II	3
DS	343	Podcasting	3
DS	344	Sound Design for Storytelling	3
DS	351	Producing for Cinema and Television	3
DS	409	Advanced Lighting and Camera Techniques	3
DS	411A	Advanced Documentary Filmmaking I (W)	3
DS	411B	Advanced Documentary Filmmaking II (W)	3
DS	435A	Creating the Fiction Film I	3
DS	435B	Creating the Fiction Film II (W)	3
DS	440	Advanced Video Editing	3
DS	481	Indian Film and Media Production	8 to 12
DS	492	Digital Storytelling Special Topics	3
DS	492A	Digital Storytelling Special Topics in Animation	3

DS	492B	Digital Audio Storytelling Special Topics	3
DS	492C	Special Topics in Filmmaking	3
DS	492D	Special Topics in Multicam Production	3
FLM	301	History of Film after Midcentury	3
JRN	206	Video Storytelling with Phones	3
JRN	212	2D Animation Storytelling	3
JRN	310	Photojournalism	3
JRN	312	Stop Motion Animation Storytelling (W)	3
JRN	412	Scoring for Moving pictures	3
JRN	483	Photo Communication in Europe	6
JRN	486	British and Irish Mass Media Education Abroad	6
JRN	487	Creative Journey Education Abroad	6
MI	337	Compositing and Special Effects	3

Courses chosen to complete this requirement may not be used to fulfill the requirements of a concentration or minor.

d.   Digital Storytelling majors must complete a minimum of 72 credits in courses outside of the School of Journalism, and mass communication. Digital Storytelling majors may complete up to 48 credits in digital storytelling, journalism, and mass communication areas of study.

Effective Fall 2021.

5.   Change the administrative responsibility for the **Minor** in **Documentary Production** in the Department of Media and Information to the School of Journalism.

6.   Change the requirements for the **Minor** in **Documentary Production** in the School of Journalism.

a.   Under the heading **Prerequisite**, delete the following course:

MI	211	Documentary History and Theory	3

Add the following course:

DS	211	Documentary Film History and Theory	3

b.   Under the heading **Requirements for the Documentary Production** replace the entire entry with the following:

The student must complete at least 15 credits from the following:

1.   The following course (3 credits):

DS	311	Introduction to Documentary Filmmaking	3

2.   Complete at least 6 credits from one of the following areas:

Audio/Video

DS	341	Filmmaking II: Creating Short Films	3
DS	344	Sound Design for Storytelling	3
DS	409	Advanced Lighting and Camera Techniques	3
DS	440	Advanced Video Editing	3
MI	337	Compositing and Special Effects	3

Broadcast News

JRN	306	Introduction to Radio Podcasting and TV News	3
JRN	403	TV News	3
JRN	406	Advanced TV News Storytelling and Producing	3

Film Studies

FLM	260	Introduction to Digital Film and Emergent Media	4
FLM	334	Introduction to Screenwriting (W)	3
FLM	336	Aesthetics of Film Editing	3
FLM	460	Seminar in Digital Film and Emergent Media (W)	3

Multimedia

JRN	203	Visual Storytelling	3
WRA	225	Introduction to Composing Digital for Video	3

Photography
One of the following, either (1) or (2):

(1)	JRN	310	Photojournalism	3
	JRN	410	Advanced Photojournalism Documentary	3
(2)	JRN	483	Photo Communication in Europe	6

Producing

DS	351	Producing for Cinema and Television	3
JRN	450	Media Innovation and Entrepreneurship	3
MI	301	Bringing Media to Market	3

Web

JRN	336	Designing for Media	3
JRN	436	Designing for the Web and Mobile Devices	3
MI	349	Web Design and Development	3

Writing

ENG	223	Introduction to Creative Non-Fiction Writing	3
ENG	423	Advanced Creative Non-Fiction Writing	3
JRN	300	Multimedia Writing and Reporting (W)	3
JRN	432	Magazine, Feature and Freelance Writing	3

3. The following capstone courses (6 credits):

DS	411A	Advanced Documentary Filmmaking I (W)	3
DS	411B	Advanced Documentary Filmmaking II (W)	3

Effective Fall 2021.

COLLEGE OF EDUCATION

1. Change the requirements for the **Master of Arts** degree in **Special Education Leadership: Multi-Tiered Systems of Support** in the Department of Counseling, Educational Psychology, and Special Education. The University Committee on Graduate Studies (UCGS) approved this request at its January 11, 2021 meeting.

    a. Under the heading **Requirements for the Master of Arts Degree in Special Education Leadership: Multi-Tiered Systems of Support** make the following changes:

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

CEP	850	Technology and Literacy for Students with Mild Disabilities	3

        Add the following course:

CEP	825	Capstone in Multi-Tiered Systems of Support	3

Effective Fall 2021.

COLLEGE OF LAW

1. Delete the curriculum and degree requirements for the **Master of Jurisprudence** degree in **American Legal System** in the College of Law. 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 2021. No students are to be readmitted to the program effective Fall 2021. Effective Spring 2022, coding for the program will be discontinued and the program will no longer be available in the College of Law. Students who have not met the requirements for the Master of Jurisprudence Degree in American Legal System through the College of Law prior to Spring 2022 will have to change their major.

COLLEGE OF NATURAL SCIENCE

1.   Change the name for the **Graduate Specialization in Ecology, Evolutionary Biology and Behavior** in the College of Natural Science <u>to</u> **Ecology, Evolution, and Behavior**. The University Committee on Graduate Studies (UCGS) approved this request at its January 11, 2021 meeting.

Students admitted to the specialization prior to Fall 2021 will be awarded a Graduate Specialization in Ecology, Evolutionary Biology and Behavior.

Students admitted to the specialization Fall 2021 and forward will be awarded a Graduate Specialization in Ecology, Evolution, and Behavior.

Effective Fall 2021.

2.   Change the name for the **Doctor of Philosophy in Ecology, Evolutionary Biology and Behavior** in the College of Natural Science <u>to</u> **Ecology, Evolution, and Behavior**. The University Committee on Graduate Studies (UCGS) approved this request at its January 11, 2021 meeting.

Students admitted to the major prior to Fall 2021 will be awarded a Doctor of Philosophy Degree in Ecology, Evolutionary Biology and Behavior.

Students admitted to the major Fall 2021 and forward will be awarded a Doctor of Philosophy Degree in Ecology, Evolution, and Behavior.

Effective Fall 2021.

3.   Delete the curriculum and degree requirements for the **Bachelor of Science** degree in **Clinical Laboratory Sciences** in the Biomedical Laboratory Diagnostics Program. 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 Summer 2018. No students are to be readmitted to the program effective Summer 2018. Effective Spring 2021, coding for the program will be discontinued and the program will no longer be available in the Biomedical Laboratory Diagnostics Program. Students who have not met the requirements for the Bachelor of Science Degree in Clinical Laboratory Sciences through the Biomedical Laboratory Diagnostics Program prior to Spring 2021 will have to change their major.

COLLEGE OF SOCIAL SCIENCE

1.   Change the requirements for the **Minor in Latin American and Caribbean Studies** in the College of Social Science.

   a.   Under the heading **Minor in Latin American and Caribbean Studies** make the following changes:

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

   PLS   352   Latin American Politics   3

   (2)   In item 3., delete the following courses:

   PRT   150   Portuguese for Speakers of Other Romance Languages I   4
   PRT   250   Portuguese for Speakers of Other Romance Languages II   4

Add the following courses:

HA	254	Latin American Art	3
PHL	212	Latin American Philosophy	3
PRT	150	Intensive Beginning Portuguese	5
PRT	250	Intensive Intermediate Portuguese	5

Effective Fall 2021.

2. Change the requirements for the **Dual Major** in **Environmental Science and Policy** in the College of Social Science. The University Committee on Graduate Studies (UCGS) approved this request at its January 11, 2021 meeting.

   a. Under the heading **Requirements for the Dual Major in Environmental Science and Policy** replace item 1. with the following:

   1. All of the following courses with a minimum grade-point average of 3.0 with no more than one course's grade below 3.0 in courses used in fulfillment of the requirements for the dual major (12 credits):
      a. The following course (3 credits):

ESP	800	Principles of Environmental Science and Policy	3

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

ESP	801	Physical, Chemical, and Biological Processes of the Environment	3
CSUS	836	Modeling Natural Resource Systems	3
ENE	801	Dynamics of Environmental Systems	3

      c. One of the following courses (3 credits):

ESP	802	Human Systems and Environment	3
AFRE	829	Economics of Environmental Resources	3
CSUS	820	Social-Ecological Resilience	3
CSUS	824	Sustainable Development	3
SOC	865	Environmental Sociology	3
SOC	869	Community and Conservation	3

      d. One of the following courses (3 credits):

ESP	804	Environmental Applications and Analysis	3
FW	868	Water Policy and Management	3

Effective Fall 2021.

3. Change the requirements for the **Bachelor of Arts** degree in **Criminal Justice** in the School of Criminal Justice.

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

   (1) In item 1., paragraph two, delete the Criminal Justice 445 and 485 from the Tier II writing requirement and add Criminal Justice 491.

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

CJ	395	Race and Justice	3

   (3) In item 3. a. (3) make the following changes:

      (a) Change the introductory statement to the following:

      Twelve credits from the following courses including
      3 credits in Criminal Justice 424, 427, 430, 465, or 491.
      At least 9 credits must be at the 400-level.

(b)   Delete the following courses:

CJ	400H	Honors Study	1 to 3
CJ	473	Comparative Constitutional Law	3

Add the following course:

CJ	493	Undergraduate Research in Criminal Justice	1 to 3

Effective Fall 2021.

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

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

(1)   Renumber items 3. e. and 3. f. to 3. f. and 3. g. and add the following item 3. e.: One of the following courses (3 credits):

MTH	124	Survey of Calculus I	3
MTH	132	Calculus I	3
MTH	152H	Honors Calculus I	3

The course used to fulfill this requirement may also be used to fulfill the university mathematics requirement.

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

STT	441	Probability and Statistics I: Probability	3

Add the following courses:

STT	351	Probability and Statistics for Engineering	3
STT	442	Probability and Statistics II: Statistics	3

Delete the note following the course list.

(3)   In item 3. g. delete the note following the course list.

Effective Fall 2021.

5.   Change the requirements for the **Bachelor of Science** degree in **Economics** in the Department of Economics.

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

(1)   In item 3. h. delete the following courses:

STT	441	Probability and Statistics I: Probability	3
STT	461	Computations in Probability and Statistics	3
STT	471	Statistics for Quality and Productivity	3

Add the following courses:

STT	351	Probability and Statistics for Engineering	3
STT	430	Introduction to Probability and Statistics	3

(2)   In item 3. i. make the following changes:

       (a)   Change the total credits from '8' to '7'.

       (b)   Delete the following course:

MTH	255H	Honors Differential Equations	3

Add the following courses:

STT	441	Probability and Statistics I: Probability	3
STT	461	Computations in Probability and Statistics	3

       (c)   In the note following replace 'CMSE 202' with 'CMSE 201'.

  (3)   Add the following item j.: One of the following courses (3 credits):

MTH	132	Calculus I	3
MTH	152H	Honors Calculus I	3

The course used to fulfill this requirement may also be used
to fulfill the University mathematics requirement.

Effective Fall 2021.

6.   Change the requirements for the **Disciplinary Teaching Minor** in **Early Childhood-General and Special Education** that is available for elementary certification in the Department of Human Development and Family Studies. The Teacher Education Council (TEC) approved this request at its January 18, 2021 meeting.

  a.   Under the heading **EARLY CHILDHOOD-GENERAL AND SPECIAL EDUCATION** make the following changes:

    (1)   Add the following course:

HDFS	322L	Interaction and Curriculum for Infants and Toddlers -Laboratory	1

    (2)   Change the total credits from '26' to '27'.

Effective Fall 2021.

7.   Change the requirements for the **Bachelor of Science** degree in **Human Development and Family Studies** in the Department of Human Development and Family Studies.

  a.   Under the heading **Requirements for the Bachelor of Science Degree in Human Development and Family Studies** add the following item 4.:

    (1)   Complete a 12 credits in Science, Technology, Engineering, and Mathematics (STEM) courses from the following list of courses: Fulfillment of this requirement also meets the College of Social Science STEM Graduation Requirement for Bachelor of Science Degree. Courses used to fulfill the STEM requirement may not be used to satisfy any other requirement.

ANP	206	Introduction to Physical Anthropology	3
ANTR	350	Human Gross Anatomy for Pre-Health Professionals	3
BMB	200	Introduction to Biochemistry	4
BS	161	Cell and Molecular Biology	3
CEM	141	General Chemistry	4
CEM	143	Survey of Organic Chemistry	3
CEM	251	Organic Chemistry I	3
CSUS	200	Introduction to Sustainability	3
ENT	205	Pests, Society and Environment	3
EPI	390	Disease in Society: Introduction to	

		Epidemiology and Public Health	4
GEO	203	Introduction to Meteorology	3
GEO	206	Physical Geography	3
HNF	150	Introduction to Human Nutrition	3
LB	270	Medical Terminology	2
MMG	201	Fundamentals of Microbiology	3
MMG	301	Introductory Microbiology	3
MTH	124	Survey of Calculus I	3
MTH	132	Calculus I	3
NUR	300	Pathophysiology	4
PHM	350	Introduction to Human Pharmacology	3
PSL	250	Introductory Physiology	4
PSL	310	Physiology for Pre-Health Professionals	4
STT	200	Statistical Methods	3

Effective Fall 2021.

8.   Change the requirements for the **Bachelor of Science** degree in **Urban and Regional Planning** in the School of Planning, Design and Construction.

a.   Under the heading **Requirements for the Bachelor of Science Degree in Urban and Regional Planning** make the following changes:

(1)   In item 2., add the following:

The Experiential Learning requirement for the College of Social Science is met by completion of UP 494 referenced in item 3.a. below.

The STEM requirement for the College of Social Science is met by completion of 6 credits from 3.c. and 6 credits from 3.d. below.

(2)   In item 3. a. make the following changes:

(a)   Delete the following courses:

PDC	120	Planning and Design Digital Graphics	2
UP	494	Planning Practicum	4

Add the following course:

UP	494	Planning Practicum	6

(b)   Change the total credits from '37' to '35'.

(3)   Add the following item 3. b.:

Complete 12 credits of 300-level or above Urban and Regional Planning electives from a set of approved courses planned in consultation with the program advisor. These credits may not be used to fulfill requirement 3.d. below.

(4)   Add the following items 3. c. and 3.d.:

c.   Complete 6 credits from the following to satisfy the STEM requirement for the College of Social Science:

ANP	206	Introduction to Physical Anthropology	3
CEM	141	General Chemistry	4
CMSE	201	Computational Modeling and Data Analysis I	4
CMSE	202	Computational Modeling and Data Analysis II	4
CSUS	200	Introduction to Sustainability	3
CSE	102	Algorithmic Thinking and Programming	3
CSE	231	Introduction to Programming I	4
EGR	100	Introduction to Engineering Design	2

EGR	102	Introduction to Engineering Modeling	2
ENT	205	Pests, Society and Environment	3
EPI	390	Disease in Society: Introduction to Epidemiology and Public Health	4
GEO	203	Introduction to Meteorology	3
GEO	206	Physical Geography	3
GEO	302	Climates of the World	3
GLG	201	The Dynamic Earth	4
GLG	202	Geology of Michigan	3
HNF	150	Introduction to Human Nutrition	3
MTH	124	Survey of Calculus I	3
MTH	132	Calculus I	3
PHY	231	Introductory Physics I	3
PHY	251	Introductory Physics Laboratory I	1
STT	200	Statistical Methods	3
STT	201	Statistical Methods	4

d.   Complete 6 credits from the following courses to satisfy the College of Social Science STEM requirement:

PDC	403	Introduction to Domicology: Sustainable Built Environment	3
PDC	491	Special Topics in Planning, Design and Construction	1 to 4

Effective Fall 2021.

9.   Change the requirements for the **Bachelor of Arts** degree in **Psychology** in the Department of Psychology. The University Committee on Undergraduate Education (UCUE) approved this request at their January 7, 2021 meeting.

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

(1)   In item 1., delete the following statement:

The University's Mathematics requirement or the College of Social Science STEM requirement may be satisfied by the following, but not both. The completion of Mathematics 103 or equivalent placement score and one of the following courses: Mathematics 101, 102, 112, 114, 124, 132, 152H, 201, Statistics 200 or 201. Mathematics 110 and 116 may also satisfy this requirement.

(2)   In item 1., under the University Tier II writing requirement, delete 'PSY 402, PSY 405, PSY 440, and PSY 475'.

(3)   In item 3. a., change the requirement to 'All of the following courses with a minimum grade-point average of 2.00'.

(4)   In item 3.c., add the following course:

PSY	238	Developmental Psychology: Lifespan	3

(5)   In item 3.d., delete the following courses:

PSY	402	Sensation and Perception (W)	3
PSY	405	History of Modern Psychology (W)	3
PSY	440	Attitudes and Social Cognition (W)	3
PSY	475	Personality Theories (W)	3

(6)   Delete item 4., and replace with the following:

Complete the following mathematics requirement, which will satisfy the university mathematics requirement and departmental requirement:

a.   One of the following courses or placement waiver:

MTH	103	College Algebra	3
MTH	103B	College Algebra II	3

b. One of the following courses:

LB	118	Calculus I	4
MTH	101	Quantitative Literacy I	3
MTH	102	Quantitative Literacy II	3
MTH	114	Trigonometry	3
MTH	116	College Algebra and Trigonometry	5
MTH	124	Survey of Calculus I	3
MTH	132	Calculus I	3
MTH	152H	Honors Calculus I	3
STT	200	Statistical Methods	3
STT	201	Statistical Methods	4

Effective Fall 2021.

10. Change the requirements for the **Bachelor of Science** degree in **Psychology** in the Department of Psychology. The University Committee on Undergraduate Education (UCUE) approved this request at its January 7, 2021.

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

        (1) In item 1., replace paragraph two with the following statement:

        Students who are enrolled in the Psychology major leading to the Bachelor of Science degree in the Department of Psychology may complete an alternative track to Integrative Studies in Biological and Physical Sciences that totals 8 credits and consists of the following courses: (a) one course in Biological Science; (b) one course in Chemistry or one course in Physics (numbered 183 or higher); and (c) laboratory experience in biological or physical science totaling 2 credits.

        (2) In item 1., under the University Tier II writing requirement, delete 'PSY 402, PSY 405, PSY 440, and PSY 475'.

        (3) In item 3. a., change the requirement to 'All of the following courses with a minimum grade-point average of 2.00'.

        (4) In item 3.c., add the following course:

PSY	238	Developmental Psychology: Lifespan	3

        (5) In item 3.d., delete the following courses:

PSY	402	Sensation and Perception (W)	3
PSY	405	History of Modern Psychology (W)	3
PSY	440	Attitudes and Social Cognition (W)	3
PSY	475	Personality Theories (W)	3

        (6) Delete item 4., and replace with the following:

        Complete the following mathematics requirement, which will satisfy the university mathematics requirement and departmental requirement:

        a. One of the following courses or placement waiver:

MTH	103	College Algebra	3
MTH	103B	College Algebra II	3
MTH	116	College Algebra and Trigonometry	5

        b. One of the following courses:

LB	118	Calculus I	4
MTH	124	Survey of Calculus I	3
MTH	132	Calculus I	3

| | MTH | 152H | Honors Calculus I | 3 |

(7)   Add the following items 5. and 6.:

5.   Complete the following NATURAL SCIENCE requirement. These courses may satisfy the university alternative track science requirement or the departmental STEM requirement, but not both.

a.   One of the following courses:

BS	161	Cell and Molecular Biology	3
BS	181H	Honors Cell and Molecular Biology	3
LB	144	Biology I: Organismal Biology	3

b.   One of the following courses:

CEM	141	General Chemistry	4
CEM	151	General and Descriptive Chemistry	4
CEM	181H	Honors Chemistry I	4
LB	171	Principles of Chemistry I	4

6.   Other Required Courses (15 credits):

Complete a 15 credits in Science, Technology, Engineering, and Mathematics (STEM) courses from the following list of courses: Fulfillment of this requirement also meets the College of Social Science STEM Graduation Requirement for Bachelor of Science Degree.

ANTR	350	Human Gross Anatomy for Pre-Health Professionals	3
ANTR	355	Human Gross Anatomy Laboratory	1
BLD	204	Mechanisms of Disease	3
BMB	200	Introduction to Biochemistry	4
BS	161	Cell and Molecular Biology	3
BS	162	Organismal and Population Biology	3
BS	171	Cell and Molecular Biology Laboratory	2
BS	172	Organismal and Population Biology Laboratory	2
BS	181H	Honors Cell and Molecular Biology	3
BS	182H	Honors Organismal and Population Biology	3
BS	191H	Honors Cell and Molecular Biology Laboratory	2
BS	192H	Honors Organismal and Population Biology Laboratory	2
CEM	141	General Chemistry	4
CEM	142	General and Inorganic Chemistry	3
CEM	143	Survey of Organic Chemistry	3
CEM	151	General and Descriptive Chemistry	4
CEM	152	Principles of Chemistry	3
CEM	161	Chemistry Laboratory I	1
CEM	162	Chemistry Laboratory II	1
CEM	181H	Honors Chemistry I	4
CEM	182H	Honors Chemistry II	4
CEM	185H	Honors Chemistry Laboratory I	2
CEM	251	Organic Chemistry I	3
CEM	252	Organic Chemistry II	3
CEM	255	Organic Chemistry Laboratory	2
CMSE	201	Computational Modeling and Data Analysis I	4
CMSE	202	Computational Modeling and Data Analysis II	4
CSD	213	Anatomy and Physiology of the Speech and Hearing Mechanisms	3
CSE	102	Algorithmic Thinking and Programming	3
CSE	231	Introduction to Programming I	3
CSE	232	Introduction to Programming II	3
EPI	390	Disease in Society: Introduction to Epidemiology and Public Health	4
HNF	150	Introduction to Human Nutrition	3
HNF	310	Nutrition in Medicine for Pre-Health Professionals	3
HNF	385	Public Health Nutrition	3
IBIO	150	Integrating Biology: From DNA to	

		Populations	3
IBIO	313	Animal Behavior	3
IBIO	320	Developmental Biology	4
IBIO	328	Comparative Anatomy and Biology of Vertebrates	4
IBIO	341	Fundamental Genetics	4
IBIO	365	Biology of Mammals	4
KIN	216	Applied Human Anatomy	3
KIN	217	Applied Human Anatomy Laboratory	1
KIN	330	Biomechanics of Physical Activity	3
LB	117	Functions and Trigonometry	4
LB	118	Calculus I	4
LB	119	Calculus II	4
LB	144	Biology 1: Organismal Biology	4
LB	145	Biology II: Cellular and Molecular Biology	5
LB	155	Introduction to Quantitative Science and Research	3
LB	171	Principles of Chemistry I	4
LB	171L	Introductory Chemistry Laboratory I	1
LB	172	Principles of Chemistry II	3
LB	172L	Principles of Chemistry II – Reactivity Laboratory	1
LB	270	Medical Terminology	2
MTH	114	Trigonometry	3
MTH	116	College Algebra and Trigonometry	5
MTH	124	Survey of Calculus I	3
MTH	126	Survey of Calculus II	3
MTH	132	Calculus I	3
MTH	133	Calculus II	4
MTH	152H	Honors Calculus I	3
MTH	153H	Honors Calculus II	4
MTH	234	Multivariable Calculus	4
MMG	141	Introductory Human Genetics	3
MMG	201	Fundamentals of Microbiology	3
MMG	301	Introductory Microbiology	3
MMG	302	Introductory Laboratory for General and Allied Health Microbiology	1
NEU	300	Neurobiology	3
NEU	301	Introduction to Neuroscience I	3
NEU	302	Introduction to Neuroscience II	3
PHM	211	Pharmacology and Toxicology in Society	2
PHM	350	Introduction to Human Pharmacology	3
PSL	250	Introductory Physiology	4
PSL	310	Physiology for Pre-Health Professionals	4
STT	180	Introduction to Data Science	4
STT	200	Statistical Methods	3
STT	201	Statistical Methods	4
STT	231	Statistics for Scientists	3
STT	421	Statistics I	3
STT	422	Statistics II	3

Effective Fall 2021.

11.   Establish a **Minor** in **Migration Studies** in the Department of Sociology. The University Committee on
        Undergraduate Education (UCUE) recommended approval of this request at its October 15, 2020.

   a.   **Background Information**:

          Throughout human history, voluntary migration and involuntary migration have substantially
          changed societies and all of their constituent units, from the social (i.e., families and communities)
          to the cultural (i.e., religions and norms) to the economic (i.e., labor markets and industries) to the
          political (laws and governance structures). This is the case not only for the receiving societies but
          also for the sending societies. The social sciences have long investigated the drivers, dynamics,
          and impacts of such human migration. Migration phenomena (i.e., voluntary migration and
          entrepreneurialism; forced migration; diasporas; human trafficking; refugee crises; statelessness;
          and borders) are rather central to functioning of contemporary societies, as can be seen in political
          disputes about borders, humanitarian efforts to protect war-driven asylum seekers, and
          nongovernmental organizations' attempts to help climate change refugees. Many opportunities
          exist for careers that relate to human migration: e.g., social services professionals; economic
          advisors; legal advocates; researchers; policy-makers; researchers; humanitarian aid workers; law
          enforcement workers; etc. Further, there are just as many opportunities for advanced study that
          builds upon undergraduate work on human migration, such as law; medicine; public health; social
          work; and graduate degrees in many academic disciplines across the social sciences and
          humanities.

          The proposed Minor in Migration Studies will be available to any MSU student enrolled in a
          bachelor's degree program. MSU is the land-grant university in Michigan, a state that has long
          been—and continues to be—shaped by in-migration and out-migration not only between other
          states in the USA but also between many countries around the world. As such, understanding
          human migration should be a key focus of MSU's undergraduate education. Further, as MSU has
          long been an institutional leader in education abroad and in international research around the
          world, offering a Minor in Migration Studies may strengthen, if not help synthesize and add value to,
          these other learning opportunities for MSU undergraduates.

          MSU Sociology has achieved excellence in research and graduate studies in three "signature
          areas": health and medicine; environment; and migration. We have a critical mass of notable
          migration scholars, one that rivals that found in most peer institutions. Over the last three years,
          we have redesigned our undergraduate program to create a concentration in each of the three
          signature areas for sociology majors and minors to specialize in when completing the required 9
          credits of 300-400-level courses.

          The Minor in Migration Studies has the following educational objectives: 1) to acquire a basic
          understanding of voluntary and involuntary migration, the history of U.S. and world migration, and
          the varying experiences of migrants with consideration to class, race/ethnicity, religion, gender,
          age, and family factors; 2) to compare and contrast different types of immigrants and their
          experiences in various contexts; 3) to explore the impact of migration on host societies, countries of
          origin, and immigrants themselves by social group and generation; 4) to integrate information about
          specific migrant groups across time and space and from the perspective of a variety of disciplines
          within broader analytical frameworks on migration to connect global and local processes; and 5) to
          develop an integrated understanding of the causes and consequences of global migration that is
          informed by multiple disciplines and perspectives.

   b.   **Academic Programs Catalog Text**:

          The Minor in Migration Studies, which is administered by the Department of Sociology, enhances
          the education of students who are interested in issues relating to human migration, including those
          who wish to prepare themselves for advanced degree programs in human migration or careers in
          related fields.

          The minor is available as an elective to students who are enrolled in bachelor's degree programs at
          Michigan State University. 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 complete the requirements of the minor should consult an undergraduate
          advisor in the College of Social Science.

Requirements for the Minor in Migration Studies

CREDITS

Students must complete 15 credits from the following courses:

1.   The following course (3 credits):

SOC	260	Introduction to Human Migration	3

2.   One of the following courses (3 credits):

ANP	310	Archaeology of Human Migrations	3
ANP	417	Introduction to Islam in Africa	3
ANP	419	Anthropology of the Middle East	3
ANP	437	Asian Emigrant Communities: A Global Perspective	3
ANP	461	Method and Theory in Historical Archaeology	3
GEO	413	Urban Geography	3
GEO	440	Critical Geopolitics	3
HST	260	Navigations and Encounters in an Age of Discovery	3
HST	301	Indigenous-European Encounters in North America	3
HST	363	East Africa in the Twentieth Century	3
HST	366	Modern Southeast Asia	3
HST	383	The Caribbean	3
HST	390	History of International Relations	3

3.   Two of the following courses (6 credits):

ENG	351	Readings in Chicano and Latino Literatures	3
ENG	360	Studies in Postcolonial and Diaspora Literature (W)	3
ENG	460	Seminar in Global and Postcolonial Literature	3
FLM	451	Studies in Postcolonial Cinema	3
GSAH	201	Introduction to Global Studies in the Arts and Humanities	3
GSAH	310	Questions of Justice in Global Contexts	3
GSAH	311	Global Perspectives on Borders and Migration	3

4.   The following capstone course (3 credits):

SOC	460	Advanced Seminar in Human Migration	3

Effective Fall 2021.

PART II - NEW COURSES

DEPARTMENT OF ANIMAL SCIENCE

ANS 410   Stem Cells in Reproduction and Development
Fall of odd years. 3(3-0) P: (BS 161 and BS 171L) and (ANS 307 or approval of department) RB: (BMB 200 or BMB 401) and ANS 425 Not open to students with credit in ANS 810.
> Properties and classification of stem cells; methodology to isolate, culture, and differentiate stem cells; mechanisms underlying stemness and differentiation of stem cells; application of stem cells in agricultural studies, veterinary medicine, and biomedical research.
> Effective Fall 2021

ANS 810   Stem Cells in Reproduction and Development
Fall of odd years. 3(3-0) RB: ANS 307 and ANS 425 Not open to students with credit in ANS 410.
> Properties and classification of stem cells; methodology to isolate, culture, and differentiate stem cells; mechanisms underlying stemness and differentiation of stem cells; application of stem cells in agricultural studies, veterinary medicine, and biomedical research. Advanced problem solving in agricultural and biomedical research using stem cell technologies. Advanced problem solving in agricultural and biomedical research using stem cell technologies.
> Effective Fall 2021

COLLEGE OF ARTS AND LETTERS

AL 270   Citizen Scholars: Creating Meaningful Impact
Fall of every year. 2(2-0) R: Open to undergraduate students in the College of Arts and Letters. Not open to students with credit in AL 491.
> Gateway course for the College of Arts and Letters Citizen Scholars program. Activities will prepare students for a lifetime of social justice, human rights, global awareness, and equity work in the arts and humanities by connecting their academic work with community engagement.
> 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 Fall 2021

DEPARTMENT OF CHEMICAL ENGINEERING AND MATERIALS SCIENCE

MSE 880A   Atomistic and Quantum Simulations for Materials
On Demand. 3(2-2) RB: MSE 860 or MSE 862 or ME 820 or ME 872 R: Open to graduate students in the College of Engineering.
> Modern computational techniques for the prediction of material properties beginning from the quantum electronic structure to the atomistic level. Density functional theory (DFT), molecular dynamics, Monte Carlo, and machine learning.
> SA: MSE 880
> Effective Fall 2021

MSE 880B   Microstructure Evolution
On Demand. 3(2-2) RB: (MSE 860 or MSE 862 or ME 820 or ME 872) or Basic experiences of Matlab or Python programming are strongly recommended. R: Open to graduate students in the College of Engineering.
> Modeling mass transport and phase transformation at meso and microscales. Thermodynamics and kinetics of the formation of dendritic, eutectic, spinodal decomposed, and other microstructures from simulations. Monte Carlo, phase field model, and numerical methods.
> SA: MSE 880
> Effective Fall 2021

MSE 880C   Mechanics of Microstructured Materials
                On Demand. 3(2-2) RB: MSE 860 or MSE 862 or ME 820 or ME 872 R: Open to graduate students
                in the College of Engineering.
                        Modeling methods and computational techniques to predict the mechanics of
                        microstructured materials. Constitutive models to describe single crystal plasticity and
                        techniques to solve mechanics of polycrystalline matter. Simulation tools include discrete
                        dislocation dynamics and finite element methods.
                        SA: MSE 880
                        Effective Fall 2021

DEPARTMENT OF COMMUNICATIVE SCIENCES AND DISORDERS

CSD 470   Introduction to Developmental Communication Disorders (W)
                Fall of every year. 3(3-0) P: ((CSD 391 or concurrently) or approval of department) and completion
                of Tier I writing requirement RB: (CSD 364 or concurrently) and (CSD 463 or concurrently) R: Open
                to students in the Department of Communicative Sciences and Disorders or in the Communicative
                Sciences and Disorders Minor.
                        Introduction to the nature, causes, and clinical management of developmental
                        communication disorders.
                        Effective Fall 2021

CSD 472   Introduction to Acquired Communication Disorders (W)
                Spring of every year. 3(3-0) P: ((CSD 391 or concurrently) or approval of department) and
                completion of Tier I writing requirement RB: (CSD 364 or concurrently) and (CSD 463 or
                concurrently) R: Open to students in the Department of Communicative Sciences and Disorders or
                in the Communicative Sciences and Disorders Minor.
                        Introduction to the nature, causes, and clinical management of acquired communication
                        disorders.
                        Effective Fall 2021

CSD 905   Doctoral Proseminar in Communicative Sciences and Disorders
                On Demand. 3(3-0) RB: PhD Students in CSD in the first 2 years of their program.
                        Fundamentals of education, research, and academic life with examples from the
                        multidisciplinary field of Communicative Sciences and Disorders. To be taken during the
                        PhD student's comprehensive examination term.
                        Request the use of the Pass-No Grade (P-N) system.
                        Effective Fall 2021

DEPARTMENT OF COUNSELING, EDUCATIONAL PSYCHOLOGY, AND SPECIAL EDUCATION

CEP 825   Capstone in Multi-Tiered Systems of Support
                Spring of every year. 3(3-0) P: CEP 809 RB: Enrollees should be currently employed by a school
                (any grade kindergarten through 12th grade) or have a relationship with a school that allows for
                access to group level data. R: Open to graduate students in the Special Education Leadership:
                Multi-Tiered Systems of Support Major.
                        Leadership roles in schools for MTSS. Program evaluation for MTSS components. Focus
                        on utility of MTSS assessment, intervention programming, and disproportionality. Course
                        project to demonstrate leadership in MTSS.
                        Effective Spring 2022

SCHOOL OF CRIMINAL JUSTICE

CJ 395   Race, Crime and Justice
                Fall of every year. Spring of every year. 3(3-0) P: CJ 110 R: Open to juniors or seniors in the
                Criminal Justice Major.
                        How race and ethnicity shapes crime, victimization, ones' interaction with the criminal
                        justice system, and criminal justice decision making. Crime rates in theoretical and
                        historical context.
                        Effective Fall 2021

CJ 857   Criminal Justice Behavior and Ethics
                Spring of every year. 3(3-0) R: Open to master's students in the Criminal Justice Major or in the
                Law Enforcement Intelligence and Analysis Major.
                         Exploration of ethical considerations and dilemmas. Moral, legal and normative obligations
                         of the state and criminal justice professionals. Philosophies and theories of ethics and
                         deviance.
                         Effective Fall 2021

CJ 878   Economic Cybercrime and Fraud
                Fall of every year. 3(3-0) R: Open to master's students in the School of Criminal Justice
                or approval of department.
                         Role of technology and the Internet in financial crimes. Evolution of electronic payment
                         fraud, laws available in the U.S. and internationally. Role of industry in regulating financial
                         transactions.
                         Effective Fall 2021

CJ 879   Interpersonal Cybercrime
                Spring of every year. 3(3-0) R: Open to master's students in the School of Criminal Justice
                or approval of department.
                         Problem of cybercrimes use of technology to cause physical or emotional harm.
                         Relationships between cybercrime and criminal behavior. Policy implications and
                         strategies. Examination of offense types, including sexual offenses, child sexual
                         exploitation, harassment, stalking, and hate crimes.
                         Effective Fall 2021

CJ 881   Legislative and Policy Responses to Cybercrime
                Spring of every year. 3(3-0) R: Open to master's students in the School of Criminal Justice
                or approval of department.
                         Legal system in the U.S. and other nations about cybercrime and cyberwarfare. Role of
                         Internet Service Providers and tech companies. Regulations of social media and user
                         generated content.
                         Effective Fall 2021

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
                .
                         Capstone. Cybersecurity issues regarding individuals, industry, and governments.
                         Individuals, groups, organized crime, terrorists, and nation states. Mitigation strategies.
                         Identification of intervention points.
                         Effective Fall 2021

CJ 889   Fundamentals of Basic and Translational Research
                Fall of every year. 3(3-0) R: Open to master's students in the Criminal Justice Major or in the Law
                Enforcement Intelligence and Analysis Major. Not open to students with credit in CJ 811 or CJ 887.
                         Methods and techniques of criminal justice research and evaluation, including survey
                         methods, systematic observation, analysis of existing data, experimentation, and
                         introduction to evaluation design. Ethical issues in research design and procedures.
                         Effective Fall 2021

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

ECE 424   Electrical Drives
                Fall of every year. 3(3-0) P: ECE 313 and ECE 320 R: Open to juniors or seniors in the College of
                Engineering.
                         Modeling AC motors. Reference frame theory for control of AC motors. Vector control.
                         Pulse width modulation inverter. Sensorless control.
                         Effective Fall 2021

ECE 434   Autonomous Vehicles
                 Fall of every year. 3(2-2) Interdepartmental with Computer Science and Engineering. P: ECE 331
                 or CSE 331 RB: Proficiency in Python programming strongly recommended, equivalent to a one-
                 semester Python class. R: Open to juniors or seniors in the College of Engineering.
                      Overview of technologies vehicles including sensors, sensing algorithms, machine
                      learning, localization, mapping, object detection, tracking, communication and security.
                      Hands-on implementation of robotic sensing and navigation algorithms on both simulated
                      and physical mobile platforms.
                      Effective Fall 2021

DEPARTMENT OF FAMILY MEDICINE

FM 615   Addiction Medicine
                 Fall of every year. Spring of every year. Summer of every year. 3 credits. P: HM 556 R: Open to
                 graduate-professional students in the College of Human Medicine.
                      Overview of addiction medicine including training in medication assisted therapy for opioid
                      use disorder, safer medication prescribing for pain management, and prevention and
                      treatment of overuse disorder of multiple substances.
                      Request the use of the Pass-No Grade (P-N) system.
                      Request the use of ET-Extension to postpone grading.
                      The work for the course must be completed and the final grade reported within 2
                      semesters after the end of the semester of enrollment.
                      Effective Fall 2020

DEPARTMENT OF FINANCE

FI 830   Introduction to Financial Planning and Wealth Management
                 Fall of every year. Spring of every year. 3(3-0) P: FI 801 R: Open to students. Not open to students
                 with credit in FI 370.
                      Techniques used to develop and implement comprehensive plans to achieve a person's
                      overall financial objectives. Budgeting, debt management, investing, tax planning, risk
                      management, employee benefits, retirement planning, and estate planning.
                      Effective Spring 2021

FI 832   Principles of Insurance and Risk Management
                 Fall of every year. Spring of every year. 3(3-0) P: FI 801 Not open to students with credit in FI 380.
                      Techniques for measuring and managing risk. Pure risks related to mortality, health-
                      related expenses, property damage, and product liability. Management techniques studied
                      include risk assumption, prevention, diversification, and transfer via insurance and non-
                      insurance market mechanisms.
                      Effective Spring 2021

FI 836   Estate and Income Tax Planning
                 Fall of every year. Spring of every year. 3(3-0) P: FI 801 Not open to students with credit in FI 480.
                      Issues in estate planning and income tax planning for the financial planner and wealth
                      management advisor.
                      Effective Spring 2021

FI 838   Advanced Financial Planning and Wealth Management
                 Fall of every year. Spring of every year. 3(3-0) P: FI 801 and FI 830 and FI 832 and FI 836 Not
                 open to students with credit in FI 470.
                      Advanced retirement planning, client management, planning tools and software
                      applications. Case-based capstone course resulting in the creation of a comprehensive
                      financial plan.
                      Effective Spring 2021

DEPARTMENT OF GEOGRAPHY, ENVIRONMENT, AND SPATIAL SCIENCES

GEO 401   Global Plant Geography
           Fall of odd years. 3(3-0) P: GEO 201 or FOR 101 or FOR 204 or PLB 218 or IBIO 355 or approval of department R: Not open to freshmen.
REINSTATEMENT   Patterns of global plant distributions. Plant-atmosphere interactions, ecological processes, biogeographic patterns and predictive models of plant distributions.
           Effective Fall 2021

COLLEGE OF HUMAN MEDICINE

HM 628   Racism and Other Health Disparities
           Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to graduate-professional students in the College of Human Medicine.
           Provide an understanding of the magnitude of health disparities, particularly those that are perpetuated by systems inequity, racism, and discrimination.
           Request the use of the Pass-No Grade (P-N) system.
           Request the use of ET-Extension to postpone grading.
           The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
           Effective Fall 2020

SCHOOL OF JOURNALISM

DS 103   Media History
           Fall of every year. Spring of every year. Summer of every year. 3(3-0)
           Historical background in media theory, production and distribution, and how it relates to society, culture and the overall media landscape.
           Effective Summer 2021

DS 113   Story, Sound and Motion II
           Fall of every year. Spring of every year. Summer of every year. 3(2-2) P: CAS 112
           Advanced media communication through storytelling, sound design, editing and directing.
           Effective Summer 2021

DS 202   Writing for Digital Storytelling
           Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: CAS 112
           Introduction to various types of media writing: performance, creative non-fiction and fiction screenwriting. Learn live storytelling, character development, creating context through world building, working with theme, conflict and identifying tone.
           Effective Summer 2021

DS 342   Multicam Production II
           Fall of every year. Spring of every year. 3(2-2) P: DS 113 and DS 242 R: Open to students in the School of Journalism or in the Department of Media and Information.
           Hands-on, intensive experience in multi-camera television production. Longer form and more complex live directing theory and execution; multi-camera equipment and more complex technique. Multicam producing and content development. Participating in and leading a production team.
           Effective Summer 2021

DS 343   Podcasting
           Fall of every year. Spring of every year. 3(2-2) P: DS 243 R: Open to students in the School of Journalism or in the Department of Media and Information.
           Advanced audio production specializing in podcast techniques. Industry focus on advanced audio storytelling and distribution.
           Effective Summer 2021

DS 442A   Multicam Production for Arts (W)
                 Fall of every year. Spring of every year. 3(2-2) P: (DS 342) and Completion of Tier I Writing
                 Requirement
                          Hands-on, intensive experience in multi-camera television production. Professional, venue
                          length program creation in one of three areas (A Arts, B Sports, C News) and complex live
                          directing theory and execution. Multi-camera studio equipment and complex technique.
                          Multicam producing and content development. Participating in and leading a production
                          team.
                          Effective Summer 2021

DS 442B   Multicam Production for Sports (W)
                 Fall of every year. Spring of every year. 3(2-2) P: (DS 342) and Completion of Tier I Writing
                 Requirement
                          Produce live sporting events, halftime features, pregame and post-game analysis and
                          other sports related content. Emphasis on technical perspective. Sportscast directing,
                          technical directing, graphics, audio, cameras, video playback/replay, chroma key, remote
                          live feed intake, editing, and creative camera shots. Announcing and sideline reporting.
                          Effective Summer 2021

DS 442C   Multicam Production for News (W)
                 Fall of every year. Spring of every year. 3(2-2) P: (DS 342) and Completion of Tier I Writing
                 Requirement
                          Studio production for various news programs. Newscast directing, technical directing, floor
                          directing, graphics, audio, cameras, video playback, teleprompter, chroma key, remote
                          live feed intake, editing, set design, lighting, and creative camera shots. News programs
                          include newscasts, interview programs, remote live events; programming MSU-TV.
                          Effective Summer 2021

DS 481   Indian Film and Media Production
                 Summer of every year. 8 to 12 credits. A student may earn a maximum of 12 credits in all
                 enrollments for this course.
                          Education abroad in India. Production experiences focused on understanding of culture
                          and exploration of the creative world.
                          Effective Summer 2021

DS 490   Independent Study
                 Fall of every year. Spring of every year. Summer of every year. 1 to 4 credits. A student may earn a
                 maximum of 8 credits in all enrollments for this course.
                          Supervised individual study in an area of Digital Storytelling
                          Effective Summer 2021

DS 492   Digital Storytelling Special Topics
                 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 to students in the Documentary
                 Production Minor or in the Fiction Filmmaking Minor or in the Journalism Major or in the Media and
                 Information Major.
                          Various issues, skills or themes relating to Digital Storytelling.
                          Effective Summer 2021

DS 492A   Digital Storytelling Special Topics in Animation
                 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 to students in the Documentary
                 Production Minor or in the Fiction Filmmaking Minor or in the Journalism Major or in the Media and
                 Information Major.
                          Various issues, skills or themes relating to Animation and Digital Storytelling.
                          Effective Summer 2021

DS 492B   Digital Storytelling Special Topics in Audio
                 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 to students in the Documentary
                 Production Minor or in the Fiction Filmmaking Minor or in the Journalism Major or in the Media and
                 Information Major.
                          Various issues, skills or themes relating to digital audio storytelling.
                          Effective Summer 2021

DS 492C   Digital Storytelling Special Topics in Filmmaking
                 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 to students in the Documentary
                 Production Minor or in the Fiction Filmmaking Minor or in the Journalism Major or in the Media and
                 Information Major.
                          Various issues, skills or themes relating to filmmaking.
                          Effective Summer 2021

DS 492D   Digital Storytelling Special Topics in Multicam Production
                 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 to students in the Documentary
                 Production Minor or in the Fiction Filmmaking Minor or in the Journalism Major or in the Media and
                 Information Major.
                          Various issues, skills or themes relating to Multicam Production.
                          Effective Summer 2021

DS 493   Digital Storytelling Professional Field Experience
                 Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a
                 maximum of 6 credits in all enrollments for this course. R: Open to students in the School of
                 Journalism or in the Department of Media and Information. Approval of school; application
                 required.
                          Supervised field experience at a professional digital storytelling organization.
                          Request the use of the Pass-No Grade (P-N) system.
                          Request the use of ET-Extension to postpone grading.
                          The work for the course must be completed and the final grade reported within 1 semester
                          after the end of the semester of enrollment.
                          Effective Summer 2021

DEPARTMENT OF KINESIOLOGY

KIN 945   Latent Variable Modeling in Sport and Exercise Psychology
                 Spring of odd years. 3(3-0) P: CEP 934 or approval of department RB: Introductory and
                 intermediate courses in applied statistics. R: Open to doctoral students in the Department of
                 Kinesiology. Approval of department.
                          Applied statistics within the latent variable modeling framework as applied to data relevant
                          to psycho-social aspects of sport and physical activity.
                          Effective Spring 2021

MSU COLLEGE OF LAW

LAW 541N   Law and Gender
                 Fall of every year. 0 to 6 credits. R: Open to students in the MSU College of Law.
REINSTATEMENT   Theoretical and legal issues associated with gender.
                          SA: DCL 386
                          Effective Spring 2021

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

GRM 291   Special Topics in Intermediate German
                 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. P: (GRM 101 and GRM 102 or approval of department) or designated
                 score on German Placement test
                          Special topics supplementing regular course offerings for students transitioning to 300-
                          level German courses or those taking German as electives.
                          Request the use of the Pass-No Grade (P-N) system.
                          Effective Fall 2021

COLLEGE OF MUSIC

MUS 448   Advanced Keyboard Methods and Literature I
                 Fall of odd years. 2(2-0) RB: MUS 347 R: Open to students in the College of Music.
REINSTATEMENT   Advanced piano literature for private lessons and classrooms.
                 Effective Fall 2021

MUS 882   Composition with Computers
                 Fall of odd years. 2(2-1) R: Open to graduate students in the College of Music.
REINSTATEMENT   Current applications of microcomputers in musical composition.
                 Effective Fall 2021

PROGRAM IN NEUROSCIENCE

NEU 450   The Autonomic Nervous System
                 Fall of every year. 3(3-0) P: (NEU 301) and ((PSL 310 or concurrently) or (PSL 431 or
                 concurrently)) R: Open to undergraduate students in the Neuroscience Major.
                        Examination of the functional anatomy and physiology of the three autonomic nervous
                        systems (enteric; parasympathetic; sympathetic)
                        Effective Fall 2021

NEU 460   Current Approaches in Molecular and Cellular Neuroscience
                 Spring of every year. 3(3-0) P: (NEU 301) and ((PSL 310 or concurrently) or (PSL 431 or
                 concurrently)) R: Open to undergraduate students in the Neuroscience Major.
                        Investigation of the molecular and cellular pathways that allow neurons to connect and
                        communicate, including the latest tools and technologies used to understand how complex
                        molecular machinery within neuronal membranes interact with electrical potentials.
                        Effective Spring 2022

SCHOOL OF PLANNING, DESIGN AND CONSTRUCTION

PDC 803   Advanced Domicology: Sustainable Built Environment
                 Fall of every year. Spring of every year. Summer of every year. 3(3-0) RB: A previous degree or
                 experience in urban planning, construction management, or real estate development is helpful, but
                 not required. R: Open to graduate students or lifelong graduate students.
                        Advanced study of the lifecycle of structures. Causes and impacts of structural
                        abandonment, and sustainable tools, policies, and practices to address it. Faculty-
                        guided/student-led research and outreach on a selected Domicology topic.
                        Effective Summer 2020

PDC 853   Real Estate Finance and Commercial Development
                 Fall of every year. Spring of every year. Summer of every year. 3(3-0) RB: A bachelor's degree and
                 work experience relating to the built environment R: Open to graduate students or lifelong graduate
                 students.
                        Essential real estate finance concepts, tools and performance metrics to build complete
                        project pro formas. Commercial, mixed-use development team projects.
                        Effective Summer 2020

PDC 858   Land Use Planning and Housing
                 Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to graduate
                 students or lifelong graduate students.
                        Relationship between housing, society, and the economy. Land use planning tools and
                        process. Impact of land use planning on housing development. Housing design,
                        development process, and performance metrics.
                        Effective Summer 2020

PDC 859   Construction Management and Real Estate Case Studies
               Fall of every year. Spring of every year. Summer of every year. 3(3-0) RB: A bachelor's degree and
               work experience relating to the built environment R: Open to graduate students or lifelong graduate
               students.
                       Construction management concepts and practices related to real estate development
                       projects, followed by a series of real estate development case studies covering multiple
                       types of projects.
                       Effective Summer 2020

PDC 878   Redevelopment and the Climate Resilient City
               Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to graduate
               students or lifelong graduate students. Not open to students with credit in UP 488.
                       Connection between federal, state and local policies in the practice of urban resilient
                       redevelopment. Best practice techniques for land redevelopment and climate change
                       adaptation for planning, design and construction professionals.
                       Effective Summer 2020

DEPARTMENT OF PSYCHIATRY

PSC 592   Happiness and Emotional Resilience for Health Care Providers
               Spring of every year. 1(1-0) R: Approval of department.
                       Applied topics for well-being with interactive exercises.
                       Effective Summer 2020

DEPARTMENT OF RELIGIOUS STUDIES

GNL 821   Values and Ethics in Applied Leadership
               Spring of every year. 2(2-0)
                       Values and ethics in organizational leadership. Development and continuity of models of
                       ethical leadership in nonprofit context. Values, ethics, and leadership in theory and
                       practice in case studies.
                       Effective Fall 2021

GNL 822   Cross Cultural Dialogue and Collaboration
               Fall of every year. 2(2-0)
                       •Examines modes of dialogue across human cultures, including models of inter-religious
                       understanding.
                       Effective Fall 2021

GNL 823   Social Entrepreneurship, Innovation, and Religion
               Fall of every year. Summer of every year. 2(2-0)
                       Social entrepreneurship and enterprise in the U.S. and internationally in a religious
                       context. Development and continuity of social enterprises in the context of nonprofit
                       religious organizations and leadership.
                       Effective Fall 2021

GNL 824   Social Entrepreneurship and Religion: Case Studies
               Fall of every year. Summer of every year. 2(2-0)
                       Case studies in entrepreneurship in a religious context. Innovation in theory and practice
                       with case studies. Social entrepreneurship and enterprise in the U.S. and internationally.
                       Development and continuity of social enterprises in the context of nonprofit religious
                       organizations and leadership.
                       Effective Fall 2021

GNL 825   Creativity in Organizations
               Fall of every year. 2(2-0)
                       Creativity to maximize resources and engage with complex social problems. Exploration
                       of innovation and creative solutions to expand both social impact and organizational
                       management.
                       Effective Fall 2021

GNL 826   Flourishing Under Stress
                 Fall of every year. 2(2-0)
                        Strategies for personal and collective development and thriving in a stressful work
                        environment. Secular techniques for development and continuity of guiding values in
                        challenging environments. Methods for personal and collaborative renewal. Nonprofit
                        leadership and stress management.
                        Effective Fall 2021

GNL 827   Nonprofit Institutions and Civil Society in a Global Context
                 Spring of every year. 2(2-0)
                        Engaging in comparative analysis of nonprofit institutions that make up global civil society.
                        Various theories of how socio-economic forces cause the formation of non-state, non-
                        business organizations to exist. Examine research, data and working papers that underlie
                        criteria for identifying and describing nonprofit institutions and civil society in any country.
                        Effective Fall 2021

GNL 828   Nonprofit Governance
                 Spring of every year. 2(2-0)
                        Examine governance and strategic leadership of nonprofit organizations. Gain an
                        understanding of the legal and regulatory environment for the charitable nonprofit in the
                        United States and the governance practices of the board and executive staff which
                        provides leadership of the organization. Examine how organizational direction, policy and
                        strategy can be optimized and what meaningful oversight and monitoring of performance
                        looks like.
                        Effective Fall 2021

GNL 829   Nonprofits and the Legal Environment
                 Fall of every year. 2(2-0)
                        Nonprofit and NGO national and international legal contexts. Nonprofit legal
                        responsibilities and challenges in global religious and cultural contexts. Nonprofit legal
                        and regulatory environments both national and international. Religious and cultural
                        complications in a legal context.
                        Effective Fall 2021

GNL 830   Nonprofit and NGO Marketing and Fundraising
                 Spring of every year. 2(2-0)
                        Nonprofit development. Nonprofit and NGO marketing and fundraising in national and
                        international contexts. Strategies and approaches to marketing, fundraising and
                        developmental issues and initiatives.
                        Effective Fall 2021

GNL 831   Grant-writing for Nonprofits
                 Fall of every year. 2(2-0)
                        Specific legal and practical requirements and limitations connected to grants and
                        nonprofits. Concrete tools and methods for both applying key funding research tools and
                        recognizing factors contributing to successful funding efforts, including how grant narrative
                        elements can influence funders' decisions.
                        Effective Fall 2021

GNL 890   Independent Study
                 Fall of every year. Spring of every year. Summer of every year. 1 to 4 credits. A student may earn a
                 maximum of 15 credits in all enrollments for this course.
                        Special projects, directed reading, and research arranged by an individual graduate
                        student and a faculty member in areas supplementing regular course offerings.
                        Effective Fall 2021

GNL 891   Special Topics in Nonprofit Leadership, Global Cultures, and Social Enterprise
                 Fall of every year. Spring of every year. Summer of every year. 1 to 4 credits. A student may earn a
                 maximum of 15 credits in all enrollments for this course.
                        Special topics supplementing regular course offerings proposed by faculty for graduate
                        students on a group study basis.
                        Effective Fall 2021

GNL 899   Master's Thesis Research
                 Fall of every year. Spring of every year. Summer of every year. 1 to 4 credits. A student may earn a
                 maximum of 15 credits in all enrollments for this course.
                         Master's thesis research.
                         Effective Fall 2021

REL 817   Religion, Cultural Knowledge, and Nonprofits
                 Fall of every year. 2(2-0)
                         Religious and cultural dimensions of the philanthropic sector in the U.S. and
                         internationally. Development and continuity of nonprofits in global civil society. Charitable
                         organizations in theory and practice with case studies.
                         Effective Fall 2021

REL 818   Global Religions, NGOs, and Social Change
                 Spring of every year. 2(2-0)
                         Examines the role of faith-based organizations in the international non-profit landscape.
                         Effective Fall 2021

REL 819   Religious Organizations and Civil Society in Asia
                 Spring of every year. 2(2-0)
                         Critical approach to taxonomies of religion and society. Religion beyond the world
                         religions paradigm. Religious institutions and organizational structures in South and East
                         Asia. Case studies in India and Taiwan.
                         Effective Fall 2021

REL 820   Secularisms, Publics, and Religions in Asia
                 Spring of every year. 2(2-0)
                         Critical approaches to secularism as a concept and its usage in South and East Asia.
                         Religion as institutional belonging vs. pervasive cultural force, makeup of publics and
                         constituencies in modern South and East Asia. New movements of values in Asian
                         societies, positions of transnational religions in Asia. Operative fields and public audiences
                         for voluntary organizations.
                         Effective Fall 2021

DEPARTMENT OF ROMANCE AND CLASSICAL STUDIES

GRK 102   Elementary Classical Greek II
                 Spring of odd years. 4(4-0) P: GRK 101
REINSTATEMENT   Fundamentals of vocabulary, grammar, and syntax. Translation of elementary readings.
                         Effective Fall 2021

ITL 250   Topics in Italian Cultures for English Speakers
                 Summer of every year. 3(3-0) A student may earn a maximum of 3 credits in all enrollments for this
                 course. P: Completion of Tier I Writing Requirement
                         Analyze diverse forms of culture from Italy and from other countries where Italian is
                         spoken. Read and discuss written and audiovisual materials such as Italian newspapers,
                         films, and TV, among others. Course is conducted in English, but some primary materials
                         are in Italian. Basic introduction in Italian to understand primary materials.
                         Effective Summer 2021

DEPARTMENT OF SOCIOLOGY

SOC 260   Introduction to Human Migration
                 Fall of every year. Spring of every year. 3(3-0) RB: SOC 100 or concurrently
                         Introduction to the sociological study of human migration. Historical contexts, foundational
                         concepts, and contemporary issues and policies related to migration.
                         Effective Fall 2020

SOC 360   Migration and Social Change
                 Fall of every year. Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement RB:
                 (SOC 100 or concurrently) and SOC 260 or concurrently
                          Survey of contemporary theory and research on migration and social change.
                          Effective Spring 2020

SOC 460   Advanced Seminar in Human Migration
                 Fall of every year. Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement RB:
                 (SOC 100 or concurrently) or SOC 260 or concurrently
                          Advanced study in a specialized topic related to the sociological study of human migration.
                          Effective Fall 2020

PART III – COURSE CHANGES

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

ESP 804   Environmental Applications and Analysis
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. ~~P: ESP 801 and (ESP 802 or concurrently) and ESP 803 or approval of department~~ P: ESP 800 or approval of department RB: Bachelors or Masters in appropriate discipline for specialization.
      Global, regional, and local environmental issues. Systems approach to identify and solve environmental problems.
      SA: SSC 806
      ~~Effective Fall 2010~~ Effective Fall 2021

ESP 850   Introduction to Environmental and Social Systems Modeling
~~Fall of every year.~~ Fall of odd years. 1(1-0)
      Theoretical background of diverse modeling problems in complex environmental systems. Diverse modeling approaches to most appropriate modeling tools in a variety of contexts.
      ~~Effective Fall 2014~~ Effective Fall 2021

ESP 890   Modeling Environmental and Social Systems
~~Fall of every year.~~ Fall of odd years. 2(2-0)
      Modeling project of real-world environmental problems. Theories and methodologies from previous modeling courses to practical policy problems. Applied project with a variety of modeling tools and a trans-disciplinary synthesis. Model development, implementation, and evaluation in student groups.
      ~~Effective Fall 2014~~ Effective Fall 2021

DEPARTMENT OF ADVERTISING AND PUBLIC RELATIONS

ADV 334   International Advertising
Fall of every year. Spring of every year. 3(3-0) RB: ADV 375 R: Open to juniors or seniors in the Advertising major or approval of department.
      Advertising decisions and consumer behavior. Political systems, literacy rates, new technologies, consumer behavior, and culture. Decision making, strategy, media selection, creative execution and campaign evaluation.
      SA: ADV 470
      ~~Effective Fall 2014~~ Effective Fall 2021

ADV 456   ~~Interactive Advertising Management Strategy~~
Interactive Advertising Strategy
Fall of every year. Spring of every year. 3(3-0) P: ADV 330 or ADV 350 R: Open to students in the Department of Advertising and Public Relations.
      Theory and practice of interactive advertising, e-commerce, Internet advertising, online sales promotion, online public relations, virtual communities, and Internet research. Role of strategy in implementing interactive solutions.
      ~~Effective Summer 2017~~ Effective Fall 2021

DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

BMB 514   Medical Biochemistry
Fall of every year. 3 credits. R: Open only to students in the College of Human Medicine and the College of Osteopathic Medicine. Not open to students with credit in BMB 521.
      Basic biochemical principles and terminology; metabolism and function of biomolecules of importance in medical biology and human pathophysiology.
      Request the use of the Pass-No Grade (P-N) system.
      SA: BCH 514
      DELETE COURSE
      Effective Fall 2020

BMB 515   Medical Biochemistry and Molecular Biology
Fall of every year. 2(2-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.
> Basic biochemical principles and terminology. Overview of metabolism of biomolecules of importance to medical biology and human pathophysiology.
> Request the use of the Pass-No Grade (P-N) system.
> DELETE COURSE
> Effective Fall 2020

BMB 527   Medical Genetics
Fall of every year. 1(1-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.
> Basic principles of human medical genetics. Storage and expression of genetic information. Transmission of genetic information to progeny.
> Request the use of the Pass-No Grade (P-N) system.
> DELETE COURSE
> Effective Fall 2020

DEPARTMENT OF CHEMICAL ENGINEERING AND MATERIALS SCIENCE

CHE 201   Material and Energy Balances
Fall of every year. Spring of every year. 3(4-0) ~~P: (MTH 133 or MTH 153H or LB 119) and (CEM 142 or CEM 152 or LB 172) and ((CSE 131 or concurrently) or (CSE 231 or concurrently) or (EGR 102 or concurrently))~~ P: (MTH 133 or MTH 153H or LB 119) and (CEM 142 or CEM 152 or LB 172) and ((CSE 231 or concurrently) or (EGR 102 or concurrently))
> Chemical engineering calculations. Synthesis of chemical process systems. Analysis of chemical processes using material and energy balances. Enthalpy calculations for changes in temperature, phase transitions, and chemical reactions.
> ~~Effective Spring 2014~~ Effective Spring 2021

MSE 880   Computational Materials Science
Spring of every year. 3(2-2) RB: MSE 860 or MSE 862 or MSE 964A or ME 820 or ME 872 R: Open to graduate students in the College of Engineering.
> Modeling methods and computational techniques for predicting materials properties. Multi-scale simulation in different material classes. Techniques include density functional theory, molecular statics and dynamics, discrete dislocation dynamics, continuum crystal plasticity.
> DELETE COURSE
> Effective Summer 2021

DEPARTMENT OF COMMUNICATIVE SCIENCES AND DISORDERS

CSD 303   ~~Fundamentals of Hearing~~
Fundamentals of Hearing and Audiometry
Fall of every year. 3(3-0) P: CSD 213 or concurrently RB: Completion of one ISP course. Completion of the University mathematics requirement.
> Physical and psychological aspects of hearing. Measurement of hearing thresholds. Binaural hearing.
> SA: ASC 303, ASC 255
> ~~Effective Fall 2016~~ Effective Fall 2021

CSD 333   ~~Oral Language Development~~
Language Development
Fall of every year. Spring of every year. 3(3-0)
> Development of receptive and expressive aspects of child language.
> SA: ASC 333
> ~~Effective Fall 2016~~ Effective Fall 2021

CSD 364   ~~Speech and Language Disorders and their Evaluation~~
<u>Evaluation Procedures in Speech-Language Pathology</u>
Spring of every year. 3(3-0) P: CSD 313 <u>R: Open to undergraduate students in the Department of Communicative Sciences and Disorders or in the Communicative Sciences and Disorders Minor.</u>
      Evaluation procedures in speech-language pathology. Testing. Analysis of results. Report writing.
      SA: ASC 364
      ~~Effective Spring 2017~~ <u>Effective Fall 2021</u>

CSD 391   ~~Observation and Analysis of Clinical Practice~~
<u>Clinical Methods in Communication Disorders</u>
~~Fall of every year.~~ Spring of every year. ~~1(0-2)~~ <u>3(3-0)</u> P: CSD 303 and CSD 313 and CSD 333 <u>R: Open to undergraduate students in the Department of Communicative Sciences and Disorders or in the Communicative Sciences and Disorders Minor.</u>
      ~~Case presentations. Interviewing techniques. Behavioral observation and data collection. Behavior management. Counseling. Session plan and report writing.~~ <u>Clinical methods utilized by speech-language pathologists and audiologists, including: interviewing techniques, behavioral observation and data collection, behavior management, counseling, and session plan and report writing.</u>
      ~~Request the use of the Pass-No Grade (P-N) system.~~
      SA: ASC 394
      ~~Effective Fall 2015~~ <u>Effective Fall 2021</u>

CSD 444   ~~Audiologic Assessment and Intervention/Rehabilitation~~
<u>Clinical Procedures in Audiology and Aural Rehabilitation</u>
Spring of every year. 3(3-0) P: CSD 303 <u>R: Open to undergraduate students in the Department of Communicative Sciences and Disorders or in the Communicative Sciences and Disorders Minor.</u>
      ~~Clinical procedures in audiology.~~ <u>Clinical procedures in audiology. Aural rehabilitation procedures for individuals who are deaf or hard of hearing.</u>
      SA: ASC 443
      ~~Effective Spring 2017~~ <u>Effective Fall 2021</u>

CSD 463   ~~Intervention/Rehabilitation Procedures in Speech-Language Pathology~~
<u>Intervention Procedures in Speech-Language Pathology</u>
Spring of every year. 3(3-0) P: CSD 313 <u>R: Open to undergraduate students in the Department of Communicative Sciences and Disorders or in the Communicative Sciences and Disorders Minor.</u>
      ~~Intervention and rehabilitation procedures for individuals with developmental and acquired communication disorders.~~ <u>Intervention procedures for individuals with developmental and acquired communication disorders.</u>
      SA: ASC 463
      ~~Effective Spring 2017~~ <u>Effective Fall 2021</u>

CSD 820   Language Assessment and Intervention: Early Stages
Spring of every year. 3(3-0)
      Nature, characteristics, evaluation, assessment, diagnosis, and intervention for children with developmental language and related disorders from infancy through preschool
      <u>DELETE COURSE</u>
      Effective Summer 2020

CSD 821   Language Assessment and Intervention: Later Stages
Fall of every year. 3(3-0) P: CSD 820 R: Open to graduate students in the Department of Communicative Sciences and Disorders.
      Nature, characteristics, evaluation, assessment, diagnosis, and intervention for children with developmental language and related disorders from early school years through adolescence
      SA: CSD 823G
      <u>DELETE COURSE</u>
      Effective Summer 2020

DEPARTMENT OF COMPUTATIONAL MATHEMATICS, SCIENCE, AND ENGINEERING

CMSE 401   Methods for Parallel Computing
Spring of odd years. 4(4-0) ~~P: (CMSE 202 and CSE 232) and (MTH 235 or MTH 340 or MTH 347H)~~ P: (CMSE 202 and CSE 232) and (MTH 126 or MTH 133 or MTH 153H or LB 119) Not open to students with credit in CSE 415.
> Core principles, techniques, and use of parallel computation using modern supercomputers. Parallel architectures and programming models. Message-passing and threaded programming. Principles of parallel algorithm design. Performance analysis and optimization.
> ~~Effective Fall 2010~~ Effective Fall 2021

CMSE 411   Computational Medicine
~~Fall of odd years.~~ Fall of even years. 3(3-0) Interdepartmental with Biochemistry and Molecular Biology and Microbiology and Molecular Genetics. P: (CMSE 201 and LB 144 and LB 145) or (CMSE 201 and BS 161 and BS 162) or (CMSE 201 and BS 181H and BS 182H)
> Computational approaches in biology with a focus on medicine.
> ~~Effective Fall 2010~~ Effective Fall 2021

DEPARTMENT OF COUNSELING, EDUCATIONAL PSYCHOLOGY, AND SPECIAL EDUCATION

CEP 801A   Collaboration and Consultation in Special Education
Fall of every year. Spring of every year. ~~3(2-3)~~ 3(3-2) ~~RB: TE 401 or CEP 840~~ RB: CEP 840 R: Open to students in the Special Education-Learning Disabilities Major and open to graduate students in the Special Education Major and open to graduate students in the Education Major. ~~C: CEP 804A concurrently and CEP 502A concurrently.~~
> Professional and ethical responsibilities. Models and methods of collaboration with teachers, parents, and community agencies to foster learning for students with disabilities. Advocacy for students with disabilities in school and community settings.
> ~~Effective Summer 2012~~ Effective Fall 2021

CEP 802A   Reflection and Inquiry in Teaching Special Education I: Mild Impairment
Fall of every year. Spring of every year. ~~3(2-3)~~ 3(3-2) RB: (CEP 301) and Admission to the teacher certification program in learning disabilities. ~~R: Open to master's students or educational specialists or doctoral students in the School Psychology major or in the Special Education major.~~ R: Open to master's students or educational specialist or doctoral students in the School Psychology Major or in the Special Education Major and open to graduate students in the Special Education Leadership: Multi-Tiered Systems of Support Major and open to graduate students in the Educational Technology Major. ~~C: TE 501 concurrently.~~
> Qualitative and quantitative research methods on teaching and learning of students with emotional or learning impairments. Framing educational problems in special education. Designing and assessing studies of mathematics and problem-solving.
> ~~Effective Summer 2012~~ Effective Fall 2021

CEP 850   ~~Technology and Literacy for Students with Mild Disabilities~~
Technology for Students with Disabilities
Spring of every year. ~~Summer of every year.~~ 3(3-0) ~~P: CEP 840~~ R: Open to graduate students in the Special Education Major and open to master's students in the Education Major.
> ~~Use of technology to improve literacy learning and performance for students with mild disabilities.~~ Use of assistive technology and online learning for students with disabilities.
> ~~Effective Summer 2010~~ Effective Fall 2021

CEP 933   Quantitative Methods in Educational Research II
~~Fall of every year.~~ Spring of every year. Summer of every year. 3(3-0) P: CEP 932 RB: College algebra. R: Open to graduate students in the College of Education and open to doctoral students in the Mathematics Education Major or approval of department.
> Advanced techniques of data analysis and statistical inference used in educational and psychological research. Multiple regression, analysis of variance, and basic principles of experimental design in educational applications.
> ~~Effective Summer 2012~~ Effective Summer 2021

CEP 935 ~~Advanced Topics in Multivariate Data Analysis II~~
Hierarchical Linear Models (HLM)
Spring of odd years. 4(4-0) P: CEP 932 and CEP 933 ~~RB: CEP 034~~ R: Open to graduate students.
~~Application of discrete and continuous multivariate methods in educational research.~~ Applicability of hierarchical linear models (also known as multilevel or random effects models) in education and social sciences when data involve nested/clustered structures.
~~Effective Spring 2014~~ Effective Fall 2021

SCHOOL OF CRIMINAL JUSTICE

CJ 425 ~~Women and Criminal Justice~~
Gender, Sexuality, Crime and Justice
Spring of every year. 3(3-0) Interdepartmental with Women's Studies. RB: CJ 220 or WS 201 R: Open to juniors or seniors.
~~Theories on women's victimization and criminality. Women's experiences as victims, offenders, and criminal justice employees. Laws and their effects on the rights of women in the criminal justice system.~~ Theories on how gender and sexuality explain victimization and crime. How gender and sexuality shape experiences as victims, offenders, and criminal justice employees. Intersectionality with race and class. Laws and their effects on rights based on gender and sexuality in the criminal justice system.
~~Effective Fall 2010~~ Effective Fall 2021

CJ 491 ~~Topics in Criminal Justice~~
Topics in Criminal Justice (W)
Fall of every year. Spring of every year. ~~1 to 4 credits.~~ 3(3-0) ~~A student may earn a maximum of 10 credits in all enrollments for this course.~~ A student may earn a maximum of 12 credits in all enrollments for this course. ~~P: CJ 202~~ P: (CJ 292) and completion of Tier I writing requirement R: Open to juniors or seniors in the Criminal Justice Major.
Special issues in criminal justice.
~~Effective Spring 2014~~ Effective Fall 2021

DEPARTMENT OF ECONOMICS

EC 251H Microeconomics and Public Policy
Fall of every year. Spring of every year. 4(4-0) P: MTH 124 or MTH 132 or MTH 152H Not open to students with credit in EC 301.
Theories of consumer behavior, production and cost. Output and price determination in competition and monopolies. Welfare economics, general equilibrium, externalities, and public goods.
~~Effective Fall 2014~~ Effective Fall 2021

EC 420 Introduction to Econometric Methods
Fall of every year. Spring of every year. 3(3-0) ~~P: (EC 202 or EC 252H) and (EC 251H or EC 301) and (MTH 124 or MTH 132 or MTH 152H or LB 118) and (STT 315 or STT 421 or STT 430 or STT 441)~~ P: (EC 202 or EC 252H) and (EC 251H or EC 301) and (MTH 124 or MTH 132 or MTH 152H) and (STT 315 or STT 351 or STT 421 or STT 430 or STT 442)
Specification, estimation, and interpretation of econometric models. Evaluation of current quantitative work in economics.
~~Effective Fall 2014~~ Effective Fall 2021

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

ECE 331   Microprocessors and Digital Systems
Fall of every year. Spring of every year. 4(3-3) ~~P: (CSE 220 or CSE 232) and ECE 230~~ P: (CSE 220 or CSE 232) and (ECE 230 and (ECE 203 or concurrently)) R: Open to students in the Department of Electrical and Computer Engineering and open to students in the Department of Computer Science and Engineering.
> Microcomputers. Microprocessor architecture. Addressing modes. Assembly language programming. Parallel and serial input and output. Interfacing. Interrupts. Peripheral device controllers. Applications and design.
> SA: EE 331
> ~~Effective Fall 2017~~ Effective Fall 2021

ECE 402   Applications of Analog Integrated Circuits
Spring of every year. 4(3-3) P: ECE 302 and ECE 303 R: Open to students in the Department of Electrical and Computer Engineering and open to students in the Department of Computer Science and Engineering.
> Circuit design using analog integrated circuits. SPICE macromodeling. Operational amplifiers, comparators, timers, regulators, multipliers and converters. Design project with hardware and software verification.
> SA: ECE 484, EE 484
> DELETE COURSE
> Effective Spring 2021

ECE 474   Principles of Electronic Devices
Spring of every year. 3(3-0) P: ECE 302 and ECE 305
> Energy levels in atoms. Crystal properties, energy bands and charge carriers, semiconductors, transport properties of bulk materials. P-n junction diodes, bipolar transistors, field effect transistors.
> SA: EE 474
> DELETE COURSE
> Effective Spring 2021

DEPARTMENT OF FOOD SCIENCE AND HUMAN NUTRITION

FSC 813   Food Laws and Regulations in Latin America
~~Fall of every year.~~ Fall of odd years. ~~Summer of every year.~~ 3(3-0) RB: (FSC 810) or food law background. Not open to students with credit in LAW 810G.
> Current issues that have shaped Latin American food regulation. Overview of regional characteristics. Basic food laws, agency responsibilities, product registration requirements, basic standards, food labeling, food safety, food additives, and food importation. Trade issues, international organizations, and commercial agreements.
> ~~Effective Spring 2016~~ Effective Spring 2021

FSC 817   ~~Animal Health, World Trade and Food Safety (OIE): Challenges and Opportunities~~
Global Animal Health, Food Safety, and International Trade
Fall of every year. 3(3-0) RB: (FSC 810) or animal science, veterinary medicine, food science, law, food safety, international development, agriculture, or related disciplines. Not open to students with credit in LAW 810E.
> ~~Examines the history, objectives, rules and operations of the World Organization for Animal Health (OIE), regarding global animal health, animal welfare, world trade, and food safety.~~ Overview of the World Organization for Animal Health (OIE), global animal health patterns, and their relationship with international food law, world trade agreements, food safety, and their importance in international food and agricultural trade.
> ~~Effective Fall 2012~~ Effective Fall 2021

FSC 820   Regulatory Leadership in Food Law
Fall of every year. ~~Spring of every year.~~ 3(3-0) ~~RB: (FSC 811) or prior coursework in food science, food law, or food safety~~ RB: (FSC 811) or prior coursework in food law Not open to students with credit in LAW 810U.
> ~~Introduction to regulatory affairs through the regulation of food.~~ Food law regulatory affairs. Skill development for leadership in food regulatory issues including working with government agencies in adverse or high-stakes situations, achieving the central purpose of regulation, and control of risks to the public. Practical application of regulatory affairs tools and strategies. Nature of assessing and communicating risk. Quality controls and management. Dealing and prevention of crises.
> ~~Effective Summer 2018~~ Effective Fall 2021

FSC 851   ~~The Law of the Foreign Supplier Verification Program Rule~~
Food Import Law and the Foreign Supplier Verification Program (FSVP) Rule
Summer of odd years. 3(3-0) RB: (FSC 811) or prior coursework in food safety, food law, or food science Not open to students with credit in LAW 810V.
> ~~Legal perspective of FDA's Foreign Supplier Verification Program of the Food Safety Modernization Act.~~ Survey of the FDA and USDA law regarding the importing food into the United States, including the Foreign Supplier Verification Program (FSVP) rule and the Food Safety Modernization Act.
> ~~Effective Summer 2018~~ Effective Fall 2021

FSC 852   ~~The Law of the Preventive Controls for Human Food Rule~~
The Law of the Preventive Controls for Human and Animal Food
~~Fall of odd years.~~ Spring of every year. 3(3-0) ~~RB: (FSC 811) or prior coursework in food safety, food law, or food science~~ RB: (FSC 811) or prior coursework or professional experience in food safety, food law, or food science Not open to students with credit in LAW 810W.
> Legal perspective of FDA's Preventive Controls for Human Food Rule of the Food Safety Modernization Act.
> ~~Effective Summer 2018~~ Effective Fall 2021

FSC 853   The Law of the Produce Safety Rule
~~Fall of even years.~~ Fall of every year. 3(3-0) RB: (FSC 811) or prior coursework in food safety, food law, or food science Not open to students with credit in LAW 810X.
> Legal perspective of FDA's Produce Safety Rule of the Food Safety Modernization Act.
> ~~Effective Summer 2018~~ Effective Fall 2020

HNF 415   Global Nutrition
Fall of every year. ~~Spring of every year.~~ 3(3-0) P: HNF 350
> Burdens, causes, and consequences of undernutrition globally. Interaction of nutrition with illness, obesity, and reproductive health. Approaches, policies, and programs to prevent undernutrition.
> ~~Effective Fall 2017~~ Effective Spring 2021

SCHOOL OF JOURNALISM

~~MI 211~~
DS 211   Documentary Film History and Theory
Fall of every year. 3(1-4) Interdepartmental with Film Studies and Journalism and Writing, Rhetoric and American Cultures. R: Open to students in the School of Journalism or in the Department of Media and Information or in the Department of Writing, Rhetoric and American Cultures or in the Film Studies major.
> Documentary history and theory from its origins to the present.
> SA: MI 211
> ~~Effective Fall 2020~~ Effective Summer 2021

~~MI 241~~
DS 241   ~~Filmmaking I~~
                Filmmaking I: Basics of Film Production
                Fall of every year. Spring of every year. Summer of every year. 3(2-2) P: CAS 112 ~~R: Open to students in the Department of Media and Information.~~ R: Open to undergraduate students in the Department of Media and Information or in the School of Journalism. Not open to students with credit in CAS 201 or CAS 202.
                    ~~Process of creating a film product. Basic camera operation, sound capture, the editing process and producing a final product.~~ Aesthetics and learning hands-on production. Process of creating a film while working in a team setting. Basic camera operation, sound, post-production and short film production.
                    SA: MI 241
                    ~~Effective Fall 2016~~ Effective Summer 2021

~~MI 342~~
DS 242   ~~Multi-Camera Production for Television~~
                Multicam Production I
                Fall of every year. Spring of every year. Summer of every year. 3(2-2) ~~P: (MI 241) or (CAS 112 and CAS 201 and CAS 202)~~ P: CAS 112 ~~R: Open to students in the Department of Media and Information or in the Documentary Production Minor or in the Fiction Filmmaking Minor.~~ R: Open to students in the Department of Media and Information or in the Documentary Production Minor or in the Fiction Filmmaking Minor and open to students in the School of Journalism.
                    ~~Conceptualizing, designing, planning, producing, directing and evaluating multi-camera video programs.~~ Hands-on, intensive experience in multi-camera television production. Live directing, theory and execution, multi-camera equipment and technique. Participating in and leading a multi-camera production team.
                    ~~SA: TC 342~~ SA: MI 342
                    ~~Effective Fall 2016~~ Effective Summer 2021

~~MI 343~~
DS 243   ~~Audio Production~~
                Audio Storytelling
                Fall of every year. Spring of every year. Summer of every year. 3(2-2) ~~P: (MI 241) or (CAS 112 and CAS 201 and CAS 202)~~ P: CAS 112 ~~R: Open to students in the Department of Media and Information or in the Documentary Production Minor or in the Fiction Filmmaking Minor.~~ R: Open to students in the Department of Media and Information or in the School of Journalism or in the Documentary Production Minor or in the Fiction Filmmaking Minor.
                    Basic audio production techniques. In-depth audio and radio industry analysis. Media writing.
                    ~~SA: TC 343~~ SA: MI 343
                    ~~Effective Fall 2016~~ Effective Summer 2021

~~MI 311~~
DS 311   Introduction to Documentary Filmmaking
                Spring of every year. 3(2-2) Interdepartmental with Film Studies and Journalism and Writing, Rhetoric and American Cultures. ~~P: MI 211~~ P: DS 211 and CAS 112 ~~R: Open to students in the Documentary Production Minor.~~ R: Open to students in the School of Journalism or in the Department of Media and Information or in the Documentary Production Minor.
                    Introduction to documentary production using accessible and affordable digital technology.
                    ~~SA: TC 233~~ SA: MI 311
                    ~~Effective Fall 2020~~ Effective Summer 2021

~~MI 341~~
DS 341   ~~Filmmaking II~~
                Filmmaking II: Creating Short Films
                Fall of every year. Spring of every year. Summer of every year. 3(2-2) ~~P: MI 244~~ P: DS 241 and DS 113 ~~R: Open to students in the Department of Media and Information or in the Documentary Production Minor or in the Fiction Filmmaking Minor.~~ R: Open to students in the Department of Media and Information or in the School of Journalism or in the Documentary Production Minor or in the Fiction Filmmaking Minor.
                    ~~Film style planning, techniques, and aesthetic principles for cinema and television production.~~ Making short films from inception to distribution.
                    ~~SA: TC 341~~ SA: MI 341
                    ~~Effective Fall 2018~~ Effective Summer 2021

MI 344
DS 344   ~~Sound Design for Cinema, Television, and Games~~
                Sound Design for Storytelling
                Spring of every year. Summer of every year. 3(2-2) ~~P: (MI 241) or (CAS 112 and CAS 201 and CAS 202)~~ P: DS 113 and DS 243 RB: MI 343 ~~R: Open to students in the Department of Media and Information or in the Documentary Production Minor or in the Fiction Filmmaking Minor.~~ R: Open to students in the Department of Media and Information or in the School of Journalism or in the Documentary Production Minor or in the Fiction Filmmaking Minor.

> Principles, technology, and techniques of sound design for media projects, including film, games, television, animation, and web.
> SA: MI 344
> ~~Effective Fall 2016~~ Effective Summer 2021

MI 351
DS 351   Producing For Cinema and Television
                Spring of every year. 3(3-0) ~~P: (MI 241) or (CAS 112 and CAS 201 and CAS 202)~~ P: (DS 241) or (CAS 112 and CAS 201 and CAS 202) ~~R: Open to students in the Department of Media and Information or in the Documentary Production Minor or in the Fiction Filmmaking Minor.~~ R: Open to students in the Department of Media and Information or in the School of Journalism or in the Documentary Production Minor or in the Fiction Filmmaking Minor.

> ~~Conceptualizing, designing, planning, and developing projects for cinema and television.~~ Explore the role of the creative producer in both artistic and business aspects of film and digital media projects. Case studies from development to design.
> ~~SA: TC 351~~ SA: MI 351
> ~~Effective Fall 2016~~ Effective Summer 2021

MI 441
DS 409   Advanced Lighting and Camera Techniques
                Fall of every year. Spring of every year. 3(1-4) ~~P: MI 344~~ P: DS 341 ~~R: Open to students in the Department of Media and Information or in the Documentary Production Minor or in the Fiction Filmmaking Minor.~~ R: Open to students in the Department of Media and Information or in the School of Journalism or in the Documentary Production Minor or in the Fiction Filmmaking Minor.

> ~~Advanced techniques for manipulation of light and image characteristics in film and television settings.~~ Advanced techniques for film and TV lighting and image manipulation.
> ~~SA: TC 348, MI 348~~ SA: MI 441
> ~~Effective Fall 2016~~ Effective Summer 2021

MI 411A
DS 411A   Advanced Documentary Filmmaking I (W)
                Fall of every year. 3(2-2) Interdepartmental with Film Studies and Journalism and Writing, Rhetoric and American Cultures. ~~P: (MI 311) and Completion of Tier I Writing Requirement~~ P: (DS 311) and Completion of Tier I Writing Requirement R: Open to undergraduate students in the Documentary Production Minor.

> Design and development of documentaries in a team setting using video and audio, still photography, web design, and print media. Participation in a production cycle including idea generation, research, design, production, and distribution.
> ~~SA: MI 411~~ SA: MI 411A
> ~~Effective Fall 2020~~ Effective Summer 2021

MI 411B
DS 411B   Advanced Documentary Filmmaking II (W)
                Spring of every year. 3(2-2) Interdepartmental with Film Studies and Journalism and Writing, Rhetoric and American Cultures. ~~P: (MI 411A) and completion of Tier I writing requirement~~ P: (DS 411A) and completion of Tier I writing requirement R: Open to undergraduate students in the Documentary Production Minor.

> Design and development of documentaries in a team setting using video and audio, still photography, web design, and print media. Participation in a production cycle including idea generation, research, design, production, and distribution.
> ~~SA: MI 411~~ SA: MI 411B
> ~~Effective Fall 2020~~ Effective Summer 2021

~~MI 440~~
DS 440   Advanced Video Editing
                Spring of every year. 3(2-2) ~~P: MI 341~~ P: DS 341 ~~R: Open to students in the Department of Media and Information or in the Documentary Production Minor or in the Fiction Filmmaking Minor.~~ R: Open to students in the Department of Media and Information or in the School of Journalism or in the Documentary Production Minor or in the Fiction Filmmaking Minor.
                ~~Advanced principles, technology and techniques of video editing.~~ Art and technique of editing for genre (documentary and narrative). Applied industry standards and broadcast technical specifications.
                ~~SA: MI 352~~ SA: MI 440
                ~~Effective Fall 2016~~ Effective Summer 2021

~~MI 442~~
DS 441   ~~Design of Cinema and Television Projects (W)~~
                Filmmaking III: Advanced Filmmaking Capstone (W)
                Fall of every year. Spring of every year. Summer of every year. 3(2-2) ~~P: (MI 341) and Completion of Tier I Writing Requirement~~ P: (DS 341) and Completion of Tier I Writing Requirement ~~R: Open to juniors or seniors or graduate students in the Department of Media and Information or in the Documentary Production Minor or in the Fiction Filmmaking Minor.~~ R: Open to juniors or seniors or graduate students in the Department of Media and Information or in the School of Journalism or in the Documentary Production Minor or in the Fiction Filmmaking Minor.
                ~~Develop TV, video and film projects in a group setting. Practice a full production cycle including idea development, budgeting, pitching, teaser, trailer, production, postproduction, distribution and evaluation. Production case studies, advertising, ethics and worldwide media and job trends.~~ Develop film, television, documentary and online storytelling projects in a group setting. Practice a full production cycle including idea development, budgeting, pitching, teaser, trailer, production, post-production, distribution and evaluation. Production case studies, ethics, worldwide media developments and job trends.
                ~~SA: TC 442~~ SA: MI 442
                ~~Effective Fall 2016~~ Effective Summer 2021

~~MI 443~~
DS 443   ~~Audio Industry Design and Management (W)~~
                Advanced Audio Design (W)
                Fall of every year. Spring of every year. Summer of every year. 3(2-2) ~~P: (MI 343) and Completion of Tier I Writing Requirement~~ P: ((DS 343 or DS 344) and completion of Tier I writing requirement) and Completion of Tier I Writing Requirement ~~R: Open to juniors or seniors or graduate students in the Department of Media and Information.~~ R: Open to juniors or seniors or graduate students in the Department of Media and Information or in the School of Journalism.
                Advanced audio production specializing in multi-channel techniques. Industry focus on all aspects of the audio field.
                ~~SA: TC 443~~ SA: MI 443
                ~~Effective Fall 2016~~ Effective Summer 2021

JRN 312   ~~Stop Motion Animation Storytelling~~
                Stop Motion Animation Storytelling (W)
                Summer of every year. 3(3-0) P: Completion of Tier I Writing Requirement
                Creation of digital stop motion animation sequences to tell a narrative story or recreate a historical or current world event. History of stop motion animation, character rigging and kinetics, storyboarding, plot and sequence development.
                ~~Effective Fall 2016~~ Effective Summer 2021

JRN 486   British and Irish Mass Media Education Abroad
                Summer of every year. England, Ireland, England, Ireland, England, Ireland ~~3(3-0)~~ 6(3-6) R: Approval of school.
                Examine the rapidly changing world of media and communication in London, Scotland, Ireland, and Wales. Themes studied are traditional and digital media, marketing and advertising, journalism, broadcasting and public relations.
                ~~Effective Summer 2020~~ Effective Summer 2021

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

FLT 885   Experiential Module in Foreign Language Teaching
      Fall of every year. Spring of every year. Summer of every year. 2 to 5 credits. A student may earn a maximum of 5 credits in all enrollments for this course. ~~R: Open to graduate students in the Foreign Language Teaching Major. Approval of department.~~ R: Open to graduate students in the Foreign Language Teaching Major or approval of department. Not open to students with credit in LLT 890.
         Experience in foreign language teaching and learning. Action research, community outreach, immersion, program administration, professional seminar, teaching practicum, technology enhancement, or service learning.
         ~~Effective Fall 2014~~ Effective Fall 2021

FLT 898   Master's Comprehensive Foreign Language Teaching Portfolio Examination
      Fall of every year. Spring of every year. Summer of every year. 1(1-0) ~~R: Open to graduate students in the Foreign Language Teaching Major. Approval of department.~~ R: Open to graduate students in the Foreign Language Teaching Major or approval of department. Not open to students with credit in LLT 899.
         Final comprehensive portfolio exam.
         ~~Effective Fall 2014~~ Effective Fall 2021

PROGRAM IN MATHEMATICS EDUCATION

MTHE 926   Proseminar in Mathematics Education I
      ~~Fall of odd years.~~ Fall of every year. 3(3-0) Interdepartmental with Counseling, Educational Psy & Special Education and Teacher Education.
         Research on the learning and teaching of mathematics. Focus on curriculum, discourse, equity and teacher education.
         Request the use of ET-Extension to postpone grading.
         The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
         SA: SME 926
         ~~Effective Fall 2016~~ Effective Spring 2021

MTHE 927   Proseminar in Mathematics Education II
      ~~Fall of even years.~~ Spring of every year. 3(3-0) Interdepartmental with Counseling, Educational Psy & Special Education and Teacher Education.
         Research on the learning and teaching of mathematics. Focus on teaching, student learning, assessment and policy.
         Request the use of ET-Extension to postpone grading.
         The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
         SA: SME 927
         ~~Effective Fall 2016~~ Effective Spring 2021

DEPARTMENT OF MEDIA AND INFORMATION

MI 301   Bringing Media to Market
      Spring of every year. Summer of every year. 3(3-0) ~~P: (MI 201 or concurrently) or CAS 114 or BUS 100~~ P: (MI 201 or concurrently) or CAS 114 or ESHP 190
         Process of bringing media to market across multiple delivery platforms including broadcast, cable, satellite, Internet and mobile devices. Organization of creative industries, distribution methods, pricing and business models. Creation and repurposing of content. Practical and theoretical models of the behavior of media and information consumers.
         SA: TC 356, TC 381, TC 301
         ~~Effective Fall 2016~~ Effective Spring 2021

MI 332   Game Interface Design
                Spring of every year. 3(2-2) ~~P: MI 230~~ P: CAS 117 RB: MI 231 R: Open to undergraduate students
                in the Department of Media and Information.
                        Exploration of concepts in the planning, implementation, and testing of games and
                        interactive media user interfaces.
                        ~~Effective Fall 2020~~ Effective Spring 2021

MI 445   Game Design and Development I
                Fall of every year. 3(2-2) ~~P: MI 231 or CSE 331 or CSE 335 or STA 360~~ P: (CAS 117) and (MI 227
                or MI 230 or MI 231 or MI 247 or CSE 232 or CSE 331 or CSE 335 or GD 360 or STA 201 or STA
                380) and (MI 227 or MI 230 or MI 231 or MI 247 or CSE 232 or CSE 331 or CSE 335 or GD 360 or
                STA 201 or STA 380) RB: TC 247 or TC 347 R: Open to students in the Game Design and
                Development Minor and open to graduate students in the Department of Media and Information.
                        Design, architecture, and creation concepts related to the development of interactive
                        digital games.
                        SA: TC 445
                        ~~Effective Fall 2016~~ Effective Spring 2021

COLLEGE OF OSTEOPATHIC MEDICINE

OST 828   Global Health Capstone
                Fall of every year. Spring of every year. Summer of every year. 3 credits. ~~R: Open to master's
                students in the College of Osteopathic Medicine or approval of college.~~ R: Open to master's
                students in the Global Health Major. Approval of college.
                        Integration of knowledge, skills and competencies acquired 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 Fall 2020~~ Effective Spring 2021

SCHOOL OF PLANNING, DESIGN AND CONSTRUCTION

UP 314   Methods for Investigation of Urban Systems
                Spring of every year. 4(3-2) Interdepartmental with Geography. R: Open to students in the Urban
                and Regional Planning Major.
                        Models, approaches, and techniques for urban and regional problem analysis, research,
                        program evaluation, and project management. Application of related computer software.
                        ~~Effective Spring 2020~~ Effective Spring 2022

UP 454   Local Economic Planning
                Fall of every year. 3(3-0) ~~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 Spring 2020~~ Effective Spring 2021

UP 478   Urban Transportation Planning
                Fall of every year. 3(3-0) Interdepartmental with Geography. ~~R: Open to juniors or seniors in the
                Geography Major or in the Urban and Regional Planning Major or approval of school.~~
                        Principles of decision-making in urban transportation planning. Demand and supply
                        analysis, social and environmental impacts, implementation programs. Use of computer
                        models.
                        ~~Effective Spring 2018~~ Effective Fall 2021

UP 488   The Sustainable and Climate Resilient City
                ~~Fall of every year.~~ Spring of every year. 3(3-0) ~~R: Open to students or seniors in the Urban and
                Regional Planning Major or approval of school.~~ Not open to students with credit in UP 888.
                        Multidisciplinary research in sustainability and climate resilience of urban places.
                        Characteristics of sustainable and resilient cities, comparative analysis, and international
                        perspective.
                        ~~Effective Spring 2018~~ Effective Spring 2021

UP 494   Planning Practicum
                Spring of every year. 6(0-12) ~~P: UP 314 and UP 365 and UP 454~~ P: UP 314 and UP 454 R: Open to seniors in the Urban and Regional Planning Major.
                        Collection, analysis and synthesis of planning information for an established urban or regional area. Problem identification and alternative plan formulation. Formulation of comprehensive physical development policies and plans, implementation of programs.
                        SA: UP 494A, UP 494B
                        Effective Spring 2021

UP 800   Special Topics in Urban Planning
                ~~Fall of every year. Spring of every year. Summer of every year.~~ On Demand. 2 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. ~~R: Open only to graduate students in Urban and Regional Planning.~~
                        Issues and current research in urban planning.
                        ~~Effective Summer 2005~~ Effective Spring 2021

UP 855   Urban Sustainability and Climate Change
                Fall of even years. 3(3-0) ~~R: Open to master's students in the Master in Urban and Regional Planning or approval of school.~~ Not open to students with credit in UP 455.
                        Urban sustainability in the context of the global climate change, tools for sustainability planning, adaptation to climate change, risk and vulnerability in different climate zones
                        ~~Effective Spring 2018~~ Effective Spring 2021

UP 899   Master's Thesis Research
                Fall of every year. Spring of every year. Summer of every year. ~~1 to 6 credits.~~ 1 to 4 credits. ~~A student may earn a maximum of 24 credits in all enrollments for this course.~~ A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to master's students in the Master in Urban and Regional Planning. Approval of school.
                        Master's thesis research.
                        ~~Effective Fall 2015~~ Effective Fall 2021

DEPARTMENT OF PSYCHOLOGY

~~PSY 402~~
PSY 302   ~~Sensation and Perception (W)~~
                Sensation and Perception
                ~~Fall of every year.~~ Spring of every year. 3(3-0) ~~P: (PSY 200 or PSY 200) and ((PSY 205 or STT 231) and completion of Tier I writing requirement)~~ P: (PSY 101) and (PSY 200 or PSY 209)
                        Biological and psychological approaches to the study of the extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.
                        SA: PSY 402
                        ~~Effective Fall 2014~~ Effective Fall 2021

COLLEGE OF VETERINARY MEDICINE

VM 690   Special Problems in Veterinary Medicine
                Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. ~~A student may earn a maximum of 6 credits in all enrollments for this course.~~ A student may earn a maximum of 12 credits in all enrollments for this course. ~~R: Open only to graduate-professional students in the College of Veterinary Medicine.~~ R: Open to graduate-professional students in the College of Veterinary Medicine.
                        Individual study directed by a faculty member on an experimental, theoretical, or applied problem. May involve off-campus experience in a preceptorial mode.
                        Request the use of the Pass-No Grade (P-N) system.
                        Request the use of ET-Extension to postpone grading.
                        The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
                        ~~Effective Summer 2004~~ Effective Summer 2021

DEPARTMENT OF WRITING, RHETORIC AND AMERICAN CULTURES

WRA 886   Master's Research Colloquium
Fall of every year. ~~1(1-0)~~ 3(3-0) ~~R: Open to master's students in the Department of Writing, Rhetoric and American Cultures.~~ <u>R: Open to master's students in the Department of Writing, Rhetoric and American Cultures. Approval of department.</u>
Professional development seminar focused on developing research skills, designing research projects, and preparing publications, conference presentations, and other professional materials unique to master's students.
~~Effective Fall 2015~~ <u>Effective Fall 2021</u>