

**MICHIGAN STATE UNIVERSITY**

**Report of  
THE UNIVERSITY COMMITTEE ON CURRICULUM  
to the Faculty Senate  
October 17, 2023**

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

MICHIGAN STATE UNIVERSITY  
University Committee on Curriculum

October 17, 2023

TO: Faculty Senate

This report is prepared and distributed for the following purposes:

1. To report new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses.
2. To notify the initiating colleges, schools, and departments of approval by the University Committee on Curriculum of their requests for new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses.
3. To provide information to members of the faculty in each department about academic programs and courses in all colleges, departments, and schools of the University.

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

PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES:

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

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

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

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

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

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

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

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

MICHIGAN STATE UNIVERSITY

October 17, 2023

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

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

**COLLEGE OF AGRICULTURE AND NATURAL RESOURCES**

1. Change the requirements for the **Agricultural Technology Certificate in Agricultural Operations** in The Institute of Agricultural Technology.

a. Under the heading **Requirements for Agricultural Operations** make the following change:

(1) Change the total credits for the program from '60 to 65' to '60'.

(2) In item 1. delete the following courses:

CSS	105	Agricultural Industries Seminar	1
CSS	143	Introduction to Soil Science	2
PLP	105	Fundamentals of Applied Plant Pathology	2

Add the following courses:

AT	100	Career Development in Agricultural Technology	1
CSS	203	World of Soils	2
PLP	105	Fundamentals of Applied Plant Pathology	1
PLP	105L	Fundamentals of Applied Plant Pathology Lab	1

(3) In item 3., delete the following sentence:

Students at Muskegon Community College are required to complete 28 additional credits of course work. Students at Southwestern Michigan College are required to complete 30 to 31 additional credits of course work.

(4) Delete the note: 'A minimum of 50% of the credits must be completed through the College of Agriculture and Natural Resources.'

Effective Spring 2024.

2. Change the requirements for the **Agricultural Technology Certificate in Food Processing, Technology and Safety** in The Institute of Agricultural Technology.

a. Under the heading **Requirements for Food Processing, Technology and Safety** make the following changes:

(1) Change the total credits from '60 to 62' to '60'.

(2) In item 3., add 'Lansing Community College'.

(3) In item 3., delete 'Students at Muskegon Community College are required to complete 28 additional credits of course work'.

Effective Spring 2024.

3. Change the requirements for the **Agricultural Technology Certificate in Fruit and Vegetable Crop Management** in The Institute of Agricultural Technology.

a. Under the heading **Requirements for Fruit and Vegetable Crop Management** make the following changes:

(1) Change the total credits from '60 to 62' to '48'.

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

CSS	143	Introduction Soil Science	2
PLP	105	Fundamentals of Applied Plant Pathology	2

Add the following courses:

CSS	203	World of Soils	2
PLP	105	Fundamentals of Applied Plant Pathology	1
PLP	105L	Fundamentals of Applied Plant Pathology Lab	1

(3) In item 2., change the elective credits from '8' to '3'.

(4) In item 3., change the elective credits from '30' to '23'.

(5) In item 3., delete 'Students at Muskegon Community College are required to complete 32 additional credits of course work'.

(6) Delete the note: 'A minimum of 50% of the credits must be completed through the College of Agriculture and Natural Resources.'

Effective Spring 2024.

4. Change the requirements for the **Agricultural Technology Certificate in Fruit, Vegetable, and Organic Horticulture Management** in The Institute of Agricultural Technology.

a. Under the heading **Requirements for Fruit, Vegetable, and Organic Horticulture Management** make the following changes:

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

AT	045	Agricultural Communications	2
AT	071	Technical Mathematics	2
HRT	206	Training and Pruning Plants	1
HRT	218	Irrigation Systems for Horticulture	3
PLP	105	Fundamentals of Applied Plant Pathology	2

Add the following courses:

HRT	203	Introduction to Horticulture	3
HRT	204	Plant Propagation and Use	3
HRT	218	Irrigation Systems for Horticulture	2
PLP	105	Fundamentals of Applied Plant Pathology	1
PLP	105L	Fundamentals of Applied Plant Pathology Lab	1

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

ABM	100	Decision-making in the Agri-Food System	3
ABM	222	Agribusiness and Food Industry Sales (W)	3
AT	055	Agricultural Finance	3
HRT	203	Principles of Horticulture	3
HRT	204	Plant Propagation	2
HRT	221	Greenhouse Structures and Management	3

Add the following courses:

AE	151	Fabrication Technology	2
AE	153	Engine and Equipment Technology	2
AFRE	130	Farm Management I	3
AFRE	222	Agribusiness and Food Industry Sales	3
AT	202	Agricultural Regulation, Compliance and Safety	3
CSS	124	Introduction to Sustainable Agriculture and Food Systems	2
CSS	135	Crop Scouting and Investigation	3
HRT	218L	Irrigation Systems for Horticulture Laboratory	1

Effective Spring 2024.

5. Change the requirements for the **Agricultural Technology Certificate in Landscape Management** in The Institute of Agricultural Technology.

a. Under the heading **Requirements for Landscape Management** make the following change:

(1) Change the total credits from '60 to 62' to '48'.

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

CSS	143	Introduction to Soil Science	2
HRT	218	Irrigation Systems for Horticulture	3
PLP	105	Fundamentals of Applied Plant Pathology	2

Add the following courses:

CSS	203	World of Soils	2
HRT	218	Irrigation Systems for Horticulture	2
PLP	105	Fundamentals of Applied Plant Pathology	1
PLP	105L	Fundamentals of Applied Plant Pathology	1

(3) Delete item 2.

(4) Renumber item 3. to item 2. And change the total credits from '30' to '22'. And delete the following statement: 'Students at Muskegon Community College are required to complete 32 additional credits of course work'.

(5) Delete the note: 'A minimum of 50% of the credits must be completed through the College of Agriculture and Natural Resources.

Effective Spring 2024.

6. Change the requirements for the **Agricultural Technology Certificate in Viticulture** in the Institute of Agricultural Technology.

a. Under the heading **Requirements for Viticulture** make the following changes:

(1) Change the total credits from '60' to '48'.

(2) In item 1. delete the following courses:

CSS	143	Introduction to Soil Science	2
PLP	105	Fundamentals of Applied Plant Pathology	2

Add the following courses:

CSS	203	World of Soils	2
PLP	105	Fundamentals of Applied Plant Pathology	1
PLP	105L	Fundamentals of Applied Plant Pathology Lab	1

- (3) Change the total credits in item 2. from '7' to '3'.
- (4) Change the total credits in item 3. from '30' to '22'.
- (5) Delete the note: 'A minimum of 50% of the credits must be completed through the College of Agriculture and Natural Resources'.

Effective Spring 2024.

- 7. Change the requirements for the **Bachelor of Science** degree in **Dietetics** in the Department of Food Science and Human Nutrition.
  - a. Under the heading **Requirements for the Bachelor of Science Degree in Dietetics** make the following changes:
    - (1) In item 1., replace paragraph two with the following:

The University's Tier II writing requirement for the Dietetics major is met by completing Human Nutrition and Foods 411. That course is referenced in item 3. a. below.
    - (2) In item 3. a., make the following changes:
      - (a) Change the total credits from '45' to '48'.
      - (b) Delete the following course:

HNF	377L	Applied Nutrition Assessment Laboratory	1
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Add the following courses:

HNF	378	Applied Nutrition Assessment Laboratory	1
HNF	411	Research Methods in Dietetics	3

Effective Spring 2024.

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

- 1. Change the requirements for the **Bachelor of Arts** degree in **Interdisciplinary Humanities** in the College of Arts and Letters.
  - a. Under the heading **Requirements for the Bachelor of Arts Degree in Interdisciplinary Humanities** make the following changes:
    - (1) Renumber items 3. a. (2) and (3) to (3) and (4) respectively.
    - (2) Add the following item 3. a. (2):

Completion of the following course (1 credit):

AL	240	Interdisciplinary Inquiry for the Humanities	1
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    - (3) Delete item 3. b.:

At least 6 credits in courses that involve quantitative reasoning skills selected from areas such as the following: mathematics, computer science, economics, statistics and probability, logic, management, business, and research or creative methodology. Both the area and the related courses must be approved by the student's academic advisor. Courses used to fulfill the University Mathematics requirement may not be used to fulfill this requirement.

Effective Spring 2024.

2. Change the requirements in the **Master of Arts** degree in **German Studies** in the Department of Linguistics, Languages and Cultures. The University Committee on Graduate Studies (UCGS) approved this request at its September 18, 2023 meeting.

a. Under the heading **Admission** in paragraph one, replace items 1. and 2. with the following:

1. Submit a 500-word personal statement that addresses the applicant's goals for pursuing a Master of Arts degree in German Studies at MSU.
2. Submit a portfolio of representative work in German.

Effective Spring 2024.

3. Change the requirements in the **Doctor of Philosophy** degree in **German Studies** in the Department of Linguistics, Languages and Cultures. The University Committee on Graduate Studies (UCGS) approved this request at its September 18, 2023 meeting.

a. Under the heading **Admission** in paragraph one, replace items 2. and 4. with the following:

2. Submit a 500-word personal statement that addresses the applicant's goals for pursuing a Doctor of Philosophy degree in German Studies at MSU and the applicant's research interests.
4. Submit a writing sample, either a significant paper or a master's project, written in German and illustrative of the applicant's scholarly abilities.

Effective Spring 2024.

4. Change the name of the **Disciplinary Teaching Minor in Teaching English to Speakers of Other Languages** in the Department of Linguistics, Languages and Cultures to **English as a Second Language**. The Teacher Education Council (TEC) approved this request at its September 25, 2023 meeting.

Effective Spring 2024, no new students are to be admitted to the Disciplinary Teaching Minor in Teaching English to Speakers of Other Languages. Effective Spring 2024, no students are to be readmitted to the Disciplinary Teaching Minor in Teaching English to Speakers of Other Languages. Effective Spring 2024, coding for the Disciplinary Teaching Minor in Teaching English to Speakers of Other Languages will be discontinued and the program will no longer be available in the Department of Linguistics, Languages and Cultures. Effective Summer 2024, students admitted to the minor will be awarded a Disciplinary Teaching Minor in English as a Second Language.

5. Change the requirements for the **Disciplinary Teaching Minor in English as a Second Language** in the Department of Linguistics, Languages and Cultures. The Teacher Education Council (TEC) approved this request at its September 25, 2023 meeting.

a. Under the heading **ENGLISH AS A SECOND LANGUAGE** replace the entire entry with the following:

1. Complete either a. or b., and c. (6 or 7 credits):
  - a. LLT 322 English as a Second Language Perspectives in Context 3
  - b. LIN 200 Introduction to Language 3
  - or
  - LIN 401 Introduction to Linguistics 4
  - c. ANP 420 Language and Culture 3
  - or
  - LIN 471 Sociolinguistics 3
2. Complete one of the following courses (3 credits):

TE	301	Children's Literacy Development (W)	3
TE	302	Literacy and Adolescent Learners in School and Community Contexts	3
3. Complete one of the following courses (3 credits):

LLT	361	Second and Foreign Language Learning	3
LLT	362	Child Second Language Learning	3

4. Complete all of the following courses (16 credits):
 

LLT	307	Methods of Second and Foreign Language Teaching	3
LLT	346	Pedagogical English Grammar for English Teachers	3
TE	101	Social Foundations of Justice and Equity in Education	3
TE	341	Teaching and Learning of (Bi)Multilingual Learners	3
TE	342	Teaching Methods for (Bi)multilingual Learners	3
TE	503	Internship in Teaching Diverse Learners in Additional Endorsement Areas	1
5. Proof of proficiency in an additional language equivalent to two semesters of study. **25 to 29**

The Teaching English to Speakers of Other Languages minor must be completed in combination with an academic core major. Students should see an academic advisor in the College of Education for more information.

Effective Summer 2024.

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

1. Change the requirements for the **Bachelor of Arts** degree in **Human Resource Management** in the Department of Management.
    - a. Under the heading **Requirements for the Bachelor of Arts Degree in Human Resource Management** make the following changes:
      - (1) In item 1., delete the following statement:
 

The completion of Mathematics 103 and 124 [referenced in item 2. below] may also satisfy the University mathematics requirement.
      - (2) In item 3. a. (2), add the following statement to the requirement:
 

No more than 6 credits of courses offered outside the Department of Management may count toward fulfilling this requirement.
      - (3) In item 3. a. (2), delete the following course:
 

MGT	418	Labor Management Relations	3
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 Add the following courses:
 

EC	380	Labor Relations and Labor Market Policy	3
HRLR	313	Employment Relations	3
HRLR	314	Legal Environment of Work	3
HRLR	414	Legal Standards in a Global Workplace	3
HRLR	420	Comparative Human Capital Systems	3
- Delete the following note:
- Students may elect to complete more than 3 of the courses that are listed in item 3.a.(2) above with the understanding that the grades earned in such courses will be included in the computation of the grade–point average of courses in the Major Field of Concentration.

Effective Spring 2024.

2. Change the name of the **Master of Science** degree in **Marketing Research** in the Department of Marketing to **Marketing Research and Analytics**. The University Committee on Graduate Studies (UCGS) approved this request at its September 18, 2023 meeting.

Effective Spring 2024, no new students are to be admitted to the Master of Science degree in Marketing Research. Effective Spring 2024, no students are to be readmitted to the Master of Science degree in Marketing Research. Effective Spring 2024, coding for the Master of Science degree in Marketing Research will be discontinued and the program will no longer be available in the Department of Marketing. Effective Spring 2024, students admitted to the major will be awarded a Master of Science degree in Marketing Research and Analytics.

3. Change the requirements for the **Master of Science** degree in **Marketing Research and Analytics** in the Department of Marketing. The University Committee on Graduate Studies (UCGS) approved this request at its September 18, 2023 meeting.

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

To be considered for admission to the Master of Science degree in Marketing Research and Analytics, an applicant must:

1. Submit a completed application for graduate study to the Master of Science Marketing Research and Analytics program.
2. Have a bachelor's degree from a recognized educational institution.
3. Have a minimum of a 3.5 grade-point average or a grade-point average in the 3.0-3.49 range with relevant experience, or submit a competitive Graduate Management Admission Test (GMAT) or GRE score to the Marketing Research and Analytics program.

Admission to the program is competitive and subject to space availability. Meeting the minimum standards above does not guarantee admission. The applicant's overall record is considered including a resume, an academic statement, and bachelor's degree transcripts. An English Language test accepted by MSU Admissions is required for international applications only.

Prior to enrollment in the Master of Science degree in Marketing Research, the student must have:

1. Completed, with a grade of 3.00 (B) or higher, college-level courses in statistics, covering probability theory and distributions, descriptive statistics, sampling, estimation, and hypothesis testing. The admission committee may elect to allow an applicant to take the Marketing Research and Analytics Statistics Refresher course (1 credit) in lieu of this requirement.

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

The Master of Science degree in Marketing Research and Analytics is available under Plan B (without thesis). A total of 30 credits is required for the degree.

			CREDITS
1.	All of the following courses:		
	MKT 805	Marketing Management	2
	MKT 806	Marketing Research for Decision Making	2
	MKT 816	Marketing Analysis	2
	MKT 819	Predictive Analytics	2
	MKT 831	Communications in Marketing Research	1
	MKT 832	Marketing Research Online Communities	1
	MKT 833	Social Listening and Text Analytics	2
	MKT 834	Consulting in Marketing Research	1
	MKT 835	Storytelling in Marketing Research	1
	MKT 843	International Marketing Research	2
	MKT 856	Consulting Practicum in Marketing	3
	MKT 865	Emerging Topics in Business	1
	MKT 867	Sampling and Research Design	2
	MKT 877	Emerging Research Design and Methods	2
	MKT 880	Consumer Decision Making and Behavior	2
	MKT 881	Qualitative Research	1
	MKT 891	Special Topics in Marketing	1
	MKT 897	Data Analysis, Integration and Visualization	2

2. Successfully complete a final examination or evaluation.

Effective Spring 2024.

4. Change the name of the **Linked Bachelor of Arts** degree in **Marketing/Master of Science** degree in **Marketing Research** in the Department of Marketing to **Linked Bachelor of Arts in Marketing/Master of Science in Marketing Research and Analytics**. The University Committee on Graduate Studies (UCGS) approved this request at its September 18, 2023 meeting.

Effective Spring 2024, no new students are to be admitted to the Linked Bachelor of Arts degree in Marketing/Master of Science degree in Marketing Research. Effective Spring 2024, no students are to be readmitted to the Linked Bachelor of Arts degree in Marketing/Master of Science degree in Marketing Research. Effective Spring 2024, coding for the Linked Bachelor of Arts degree in Marketing/Master of Science degree in Marketing Research will be discontinued and the program will no longer be available in the Department of Marketing. Effective Spring 2024, students admitted to the Linked Bachelor of Arts degree in Marketing/Master of Science degree in Marketing Research will be awarded a Linked Bachelor of Arts degree in Marketing/Master of Science degree in Marketing Research.

5. Change the requirements for the **Minor in Real Estate** in the School of Hospitality Business. The University Committee on Undergraduate Education (UCUE) approved this request at its September 7, 2023 meeting.

- a. Under the heading **Admission**, replace item 2. with the following:

One of the following courses:

- |    |     |     |                                    |   |
|----|-----|-----|------------------------------------|---|
| a. | ACC | 201 | Principles of Financial Accounting | 3 |
|    | ACC | 230 | Survey of Accounting Concepts      | 3 |

The following course:

- |    |    |     |                                |   |
|----|----|-----|--------------------------------|---|
| b. | EC | 201 | Introduction to Microeconomics | 3 |
|----|----|-----|--------------------------------|---|

- b. Under the heading **Minor in Real Estate** replace the entire entry with the following:

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

HB	273	Hospitality Business Analytics	3
ITM	209	Business Analytics and Information Systems	3
2. One of the following courses (3 credits):

FI	311	Financial Management	3
FI	320	Introduction to Finance	3
HB	311	Hospitality Finance	3
3. One of the following courses (1 or 3 credits):

FI	355	Financial Modeling	3
HB	472	Real Estate Financial Modeling	1
4. All of the following courses (9 credits):

HB	282	Real Estate Principles	3
HB	470	Real Estate Asset Management	3
HB	474	Real Estate Valuation	3

Effective Fall 2024.

6. Change the requirements of the **Bachelor of Arts** degree in **Hospitality Business** in The School of Hospitality Business. The University Committee on Undergraduate Education (UCUE) approved this request at its September 7, 2023 meeting.

- a. Under the heading **Admission**, in item 2. a., replace CSE 102 with EC 201.

- b. Under the heading **Requirements for the Bachelor of Arts Degree Hospitality Business** replace item 2. with the following:

- a. Hospitality Business Core (18 credits):

All of the following courses:

- |     |     |                                |   |
|-----|-----|--------------------------------|---|
| ACC | 230 | Survey of Accounting Concepts  | 3 |
| EC  | 201 | Introduction to Microeconomics | 3 |
| EC  | 202 | Introduction to Macroeconomics | 3 |

- |     |     |                           |   |
|-----|-----|---------------------------|---|
| MKT | 327 | Introduction to Marketing | 3 |
| MTH | 103 | College Algebra           | 3 |
| STT | 200 | Statistical Methods       | 3 |
- Students who place into Statistics 200 with a designated score on the Michigan State University mathematics services placement exam and successfully complete Statistics 200 will not be required to complete Mathematics 103.
- b. Major Field of Concentration: All of the following courses with a minimum grade-point average of 2.00 (45 credits):
- |    |     |                                       |   |
|----|-----|---------------------------------------|---|
| HB | 100 | Introduction to Hospitality Business  | 3 |
| HB | 203 | Hospitality Communication             | 3 |
| HB | 207 | Hospitality Management and Leadership | 3 |
| HB | 237 | Hospitality Lodging Systems           | 3 |
| HB | 265 | Hospitality Foodservice Systems       | 3 |
| HB | 273 | Hospitality Business Analytics        | 3 |
| HB | 302 | Hospitality Managerial Accounting     | 3 |
| HB | 307 | Hospitality Human Resources           | 3 |
| HB | 311 | Hospitality Finance                   | 3 |
| HB | 337 | Hospitality Information Systems       | 3 |
| HB | 365 | Hospitality Foodservice Systems II    | 3 |
| HB | 437 | Hospitality Revenue Management        | 3 |
| HB | 447 | Hospitality Business Law              | 3 |
| HB | 470 | Real Estate Asset Management          | 3 |
| HB | 489 | Hospitality Business Strategy (W)     | 3 |
- c. Hospitality Business International Elective. One course approved by the student's academic advisor.
- d. Hospitality Business Specialized Electives. Complete an additional 9 credits from an approved list of Hospitality Business Specialized Electives available from the school's undergraduate academic advisor. Courses used to satisfy other degree requirements may not be used to satisfy this requirement.

Effective Fall 2024.

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

1. Change the requirements for the **Bachelor of Arts** degree in **Journalism** in the School of Journalism.
- The concentrations in the Bachelor of Arts degree in Journalism are noted on the student's academic record when the requirements for the degree have been completed.*
- a. Under the heading **Requirements for the Bachelor of Arts Degree in Journalism** make the following changes:
- (1) In item 3. c., under the heading **Photojournalism** delete the following course:
- |     |     |                               |   |
|-----|-----|-------------------------------|---|
| CAS | 205 | Photography in Media Settings | 3 |
|-----|-----|-------------------------------|---|

Effective Spring 2024.

### **COLLEGE OF ENGINEERING**

1. Change the requirements in the **Bachelor of Science** degree in **Chemical Engineering** in the Department of Chemical Engineering and Materials Science.
- The concentrations in the Bachelor of Science degree in Chemical Engineering are noted on the student's academic record when the requirements for the degree have been completed.*
- a. Under the heading **Requirements for the Bachelor of Science Degree in Chemical Engineering** make the following changes:
- (1) In item 3. b., add the following note:

Note: If BMB 462 is taken to fulfill requirement 3. b., it will also count as a technical elective in item 3. e.

- (2) In item 3. e., delete the following statements:

Technical elective courses must include at least 3 credits of engineering topics, denoted with an 'e' next to the course number on the CHE technical elective list.

NOTE: BMB 462 is taken to fulfill requirement 3. b. and will count as a technical elective credit in item 3. e., not as an engineering 'e' topics course.

Effective Fall 2024.

2. Establish a **Graduate Certificate in Foundations in Chemical Engineering** in the Department of Chemical Engineering and Materials Science. The University Committee on Graduate Education (UCGS) recommended approval of this request at its March 20, 2023 meeting.

a. **Background Information:**

Since early 2000, the Department of Chemical Engineering and Materials Science has offered a two-course sequence in Foundations of Chemical Engineering. These courses have been used to successfully bridge nontraditional students into the chemical engineering graduate program.

This course sequence has, until recently, been unique and continues to be used by other universities to bridge nontraditional students in their chemical engineering programs. Also, these courses have been used by industrial practitioners who work on chemical processes, including mechanical engineers, electrical engineers, control engineers, law students who wanted background for patent law, and also working professionals in the chemical/fuel business desiring to work in a more technical area.

Recently, another institution has started a bridging sequence. The department sees an opportunity to keep our program unique by offering a certificate program with the addition of a third course covering process dynamics/control and process economics/design.

The certificate program will provide students with skills in fundamental chemical engineering skills in thermodynamics, reactor design, heat transfer, fluid flow, separations including distillation and extraction, process control, economics and process design including use of chemical process simulators. The manner in which this course content is packaged and delivered is unique to the chemical engineering program.

b. **Academic Programs Catalog Text:**

The Graduate Certificate in Foundations in Chemical Engineering provides a broad base of the key concepts relevant to chemical and biochemical process industries, including thermodynamics; reactor design; fluid flow; heat transfer; separations; and process control, economics, and design. The certificate is appropriate for graduates from other programs who seek to pursue graduate work in chemical engineering and for practitioners trained in other fields who seek to understand and apply chemical-engineering principles. The certificate is available only online.

**Admission**

Students are generally expected, but not required, to have bachelor's-level or significant training in a math, science or engineering field. Prospective students are encouraged to contact the Director of Graduate Studies in the Department of Chemical Engineering and Materials Science to determine if their background is a good fit for the certificate.

**Requirements for the Graduate Certificate in Foundations in Chemical Engineering**

			CREDITS
Complete all of the following courses with a minimum grade of 3.0 in each course:			
CHE	804	Foundations of Chemical Engineering I	3
CHE	805	Foundations of Chemical Engineering II	3
CHE	806	Foundations of Chemical Engineering III	3

Effective Spring 2024.

3. Establish a **Graduate Certificate in Semiconductor Manufacturing, Processing, and Devices** in the Department of Electrical and Computer Engineering. The University Committee on Graduate Education (UCGS) recommended approval of this request at its March 20, 2023 meeting.

a. **Background Information:**

Global competitors have incentivized the semiconductor manufacturing industry, to the point that the United States share of commercial semiconductor manufacturing has declined 25% in the last 30 years. To assist with this national need, the CHIPS Act was passed by congress in July 2022 with the goal of strengthening domestic semiconductor manufacturing, design and research, and to reinforce America's chip supply chains. This act includes 52 billion U.S. dollars in manufacturing grants and research investments in the field of semiconductor processing, manufacturing, and research.

A large portion of the funding allocated for the CHIPS Act will be invested in the Midwest. For example, INTEL will invest more than 20 billion U.S. dollars to build new factories for advanced chipmaking in the state of Ohio. Manufacturing in the state of Michigan has traditionally been strong. Two billion U.S. dollars from the CHIPS Act will be dedicated to incentivizing production of semiconductors used by automakers and parts, and the state of Michigan has already started investing in some of the semiconductor processing and manufacturing companies in the state. (Hemlock Semiconductor, KLA, Wacker, SK Siltron, and Calumet Electronics) This graduate certificate at MSU is expected to foster the economic and technological progress in the state, thus making the state more competitive nationwide and creating an option for in-state talent to stay in the state of Michigan.

The main goals for this graduate certificate are to help boost the number of our graduate students that complete semiconductor research training, and the graduate certificate will complement a student's degree program with a set of courses that will make them more competitive in the field of semiconductor processing/manufacturing, and help attract the interest from industry in our graduate program.

b. **Academic Programs Catalog Text:**

The Graduate Certificate in Semiconductor Manufacturing, Processing, and Devices is designed to provide students with semiconductor research training that will make them more competitive in the field of semiconductor processing and manufacturing.

**Requirements for the Graduate Certificate in Semiconductor Manufacturing, Processing, and Devices**

			CREDITS
Students must complete a minimum of 9 credits from the following courses:			
ECE	813	Advanced VLSI Design	3
ECE	832	Analog Integrated Circuit Design	3
ECE	850	Electrodynamics of Plasmas	3
ECE	870	Introduction to Micro-Electro-Mechanical Systems	3
ECE	871	Micro-electro-mechanical Systems Fabrication	3
ECE	874	Physical Electronics	3
ECE	875	Electronic Devices	3
ECE	877	Cleanroom Procedures	3
ECE	931C	Properties of Semiconductors	3
ECE	989	Advanced Topics in Plasma	3

Effective Spring 2024.

### LYMAN BRIGGS COLLEGE

1. Change the name of the **History, Philosophy and Sociology of Science major leading to the Bachelor of Science Degree in Lyman Briggs College** to Science and Society.

No new students are to be admitted to the History, Philosophy and Sociology of Science major effective Spring 2024. No students are to be readmitted to the History, Philosophy and Sociology of Science major effective Spring 2024. Effective Spring 2024, coding for the History, Philosophy and Sociology of Science major will be discontinued and the program will no longer be available in Lyman Briggs College. Students admitted to the major prior to Spring 2024 will be awarded a Bachelor of Science Degree in History, Philosophy and Sociology of Science in Lyman Briggs College. Students admitted to the major Spring 2024 and forward will be awarded a Bachelor of Science Degree in Science and Society in Lyman Briggs College.

Effective Spring 2024.

2. Change the name of the **Minor History, Philosophy and Sociology of Science in Lyman Briggs College** to Science and Society.

No new students are to be admitted to the History, Philosophy and Sociology of Science minor effective Spring 2024. No students are to be readmitted to the History, Philosophy and Sociology of Science minor effective Spring 2024. Effective Spring 2024, coding for the History, Philosophy and Sociology of Science minor will be discontinued and the program will no longer be available in Lyman Briggs College. Students admitted to the minor prior to Spring 2024 will be awarded a Minor in History, Philosophy and Sociology of Science in Lyman Briggs College. Students admitted to the minor Spring 2024 and forward will be awarded a Minor in Science and Society in Lyman Briggs College.

Effective Spring 2024.

### COLLEGE OF SOCIAL SCIENCE

1. Change the requirements for the **Bachelor of Arts and Bachelor of Science degree in Interdisciplinary Studies in Social Science** in the College of Social Science.

*The concentrations in the Bachelor of Arts and Bachelor of Science degree in Interdisciplinary Studies in Social Science are noted on the student's academic record when the requirements for the degree have been completed.*

- a. Under the heading **INTERDISCIPLINARY STUDIES IN SOCIAL SCIENCE** replace the entire entry with the following [*Please note the concentrations are being deleted*]:

#### **Requirements for the Bachelor of Arts or Bachelor of Science Degree in Interdisciplinary Studies in Social Science**

1. The graduation requirements of the University as described in the Undergraduate Education section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts or Bachelor of Science degree in Interdisciplinary Studies in Social Science.

The University's Tier II writing requirement for the Interdisciplinary Studies in Social Science major is met by completing Social Science 499. That course is referenced in item 4. below.

The graduation requirements of the College of Social Science for the Bachelor of Arts or Bachelor of Science degree.

2. Foundation Courses (9 to 12 credits):

ANP	201	Introduction to Cultural Anthropology	3
EC	201	Introduction to Microeconomics	3
GEO	204	World Regional Geography	3
HST	110	Historical Approaches to Contemporary Issues	3
PLS	200	Introduction to Political Science	4
PSY	101	Introductory Psychology	4
SOC	100	Introduction to Sociology	4

One foundation course must match the discipline in the selected cognate, as listed in item 5. below. Qualified students may substitute Economics 251H for Economics 201.

3. All of the following courses (9 credits):
- |         |   |   |
|---------|---|---|
| SSC 299 | Integration of Social Science Perspectives                  | 3 |
| SSC 495 | Interdisciplinary Research Methods                          | 3 |
| SSC 499 | Capstone in Interdisciplinary Studies in Social Science (W) | 3 |

4. **Disciplinary Cognate**  
 Complete a minimum of 12 credits in one of the following cognates: anthropology, economics, geography, history, liberal studies, political science, psychology, or sociology.

**Anthropology Cognate.** In addition to the ANP 201 foundation course listed in item 3. above, complete the following:

- a. One of the following courses:
- |         |                                       |   |
|---------|---------------------------------------|---|
| ANP 203 | Introduction to Archaeology           | 3 |
| ANP 206 | Introduction to Physical Anthropology | 3 |
- b. Three Anthropology courses at the 300-400 level 9

**Economics Cognate.** In addition to the EC 201 foundation course listed in item 3. above, complete the following:

- a. The following course:
- |        |                                |   |
|--------|--------------------------------|---|
| EC 202 | Introduction to Macroeconomics | 3 |
|--------|--------------------------------|---|
- b. Three courses in Economics at the 300-400 level 9

**Geography Cognate.** In addition to the GEO 204 foundation course listed in item 3. Above, complete the following:

- a. One of the following courses:
- |         |                                    |   |
|---------|------------------------------------|---|
| GEO 113 | Introduction to Economic Geography | 3 |
| GEO 151 | Introduction to Human Geography    | 3 |
| GEO 206 | Physical Geography                 | 3 |
- b. The following course:
- |         |  |   |
|---------|--|---|
| GEO 221 | Introduction to Geographic Information | 3 |
|---------|--|---|
- c. Two Geography courses at the 300-400 level. 6

**History Cognate.** In addition to the HST 110 foundation course listed in item 3.

Above, complete the following:

- a. The following course:
- |         |                               |   |
|---------|-------------------------------|---|
| HST 201 | Historical Methods and Skills | 3 |
|---------|-------------------------------|---|
- b. Three History courses at the 300-400 level, only two of which may be on the United States. 9

**Liberal Studies Cognate.**

Students interested in completing a Liberal Studies cognate must complete 12 credits of course work in the College of Social Science. Liberal Studies students may only count College of Social Science courses toward their cognate requirements, but are strongly encouraged to select appropriate objectives, or minors to accomplish the student's academic goals. To pursue this cognate, a student must develop a proposal in coordination with an Interdisciplinary Studies in Social Science advisor that includes the following:

- a. A proposed outline for the course work to be taken with a rationale for each course.
- b. A statement of purpose for the proposed course work.
- c. A set of learning outcomes that will be achieved through the course work that is not available in other majors at the University, or the College.

The proposed course of study must be approved by an Interdisciplinary Studies in Social Science advisor, two faculty members in the College of Social Science, and the Center for Integrative Studies director.

**Political Science Cognate.** In addition to the PLS 200 foundation course listed in Item 3. above, complete the following:

- a. The following course:
- |         |   |   |
|---------|---|---|
| PLS 201 | Introduction to Methods of Political Analysis | 4 |
|---------|---|---|
- b. Three Political Science courses at the 300-400 level. 9

**Psychology Cognate.** In addition to the PSY 101 foundation course listed in item 3. Above, complete the following:

- a. The following course:
- |         |   |   |
|---------|---|---|
| PSY 295 | Data Analysis in Psychological Research | 3 |
|---------|---|---|
- Students who have completed Statistics and Probability 315 should consult an academic advisor before completing PSY 295.

- b. Two of the following courses:
 

PSY	200	Cognitive Psychology	3
PSY	209	Brain and Behavior	3
PSY	235	Social Psychology	3
PSY	236	Personality	3
PSY	244	Developmental Psychology: Infancy Through Childhood	3
PSY	255	Industrial and Organizational Psychology	3
PSY	270	Community Psychology	3
PSY	280	Abnormal Psychology	3
- c. One Psychology course at the 300-400 level. 3  
**Sociology Cognate.** In addition to the SOC 100 foundation course listed in item 3. above, complete the following:
  - a. The following course:
 

SOC	281	Social Research Methods	4
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  - b. Three Sociology courses at the 300-400 level. 9

Effective Spring 2024.

- 2. Delete the curriculum and degree requirements for the **Disciplinary Teaching Minor in Early Childhood-General and Special Education** in the Department of Human Development and Family Studies, available for elementary certification. The University Committee on Undergraduate Education (UCUE) provided consultative commentary to the Provost after considering this request. The Provost made the determination after considering the consultative commentary from the University Committee on Graduate Studies.

No new students are to be admitted to the program effective Spring 2023. No students are to be readmitted to the program effective Spring 2023. Effective Spring 2024, coding for the program will be discontinued and the program will no longer be available in the Department of Human Development and Family Studies. Students who have not met the requirements for the Disciplinary Teaching Minor in Early Childhood-General and Special Education through the Department of Human Development and Family Studies prior to Spring 2024 will have to change their minor.

- 3. Change the requirements for the **Master of Science** degree in **Child Development** in the Department of Human Development and Family Studies. The University Committee on Graduate Studies (UCGS) approved this request at its September 18, 2023 meeting.

- a. Under the heading **Admission**, make the following changes:

- (1) Replace item 2. with the following:

A grade-point average of 3.00 or better during the last two full years of undergraduate study.

- (2) Delete item 5.:

Satisfactory verbal ability and quantitative ability scores on the Aptitude Test of the Graduate Record Examination (GRE) is required for Plan A (Thesis). This option is for those wishing to pursue a research focus and potential doctoral degree.

Effective Fall 2024.

- 4. Change the requirements for the **Master of Science** degree in **Human Development and Family Studies** in the Department of Human Development and Family Studies. The University Committee on Graduate Studies (UCGS) approved this request at its September 18, 2023 meeting.

- a. Under the heading **Admission**, make the following changes:

- (1) Replace item 2. with the following:

A grade-point average of 3.00 or better during the last two full years of undergraduate study.

- (2) Delete item 5.:

Satisfactory verbal ability and quantitative ability scores on the Aptitude Test of the Graduate Record Examination (GRE) is required for Plan A (Thesis). This option is for those wishing to pursue a research focus and potential doctoral degree.

Effective Fall 2024.

5. Change the requirements for the **Doctor of Philosophy** degree in **Human Development and Family Studies** in the Department of Human Development and Family Studies. The University Committee on Graduate Studies (UCGS) approved this request at its September 18, 2023 meeting.

- a. Under the heading **Admission**, delete the following sentence:

A prospective doctoral student is required to take the general sections of the Graduate Record Examination and include the results with the application.

Effective Fall 2024.

## **PART II - NEW COURSES**

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

- AL 240 Interdisciplinary Inquiry for the Humanities  
Spring of every year. 1(1-0)  
Introduces interdisciplinary humanities inquiry with an emphasis on humanistic and interdisciplinary methodologies, the challenges and benefits of interdisciplinarity, and the importance of interdisciplinary thinking for engaging with large, complex problems.  
Effective Spring Semester 2024

### **DEPARTMENT OF CHEMICAL ENGINEERING AND MATERIALS SCIENCE**

- CHE 484 Distillation Science and Technology I  
Spring of every year. 3(3-0) P: FSC 481  
Raw material selection including fruits and types of cereal grains for distilled spirit production, malting of cereal grains, milling science, water chemistry and mashing theory.  
Effective Spring Semester 2024
- CHE 485 Distillation Science and Technology II  
Summer of every year. 3(3-0) P: FSC 481 and CHE 484  
Distillation methods, equipment design and technology, stabilizing, filtration and bottling of distilled spirits, barrel aging, laboratory control, regulatory aspects, and safety.  
Effective Spring Semester 2024

### **DEPARTMENT OF EMERGENCY MEDICINE**

- EM 541 Wilderness First Aid Elective  
Spring of every year. 1(1-0) P: HM 553 RB: An interest or novice experience in outdoor activities (e.g., hiking, biking, camping, etc.) R: Open to graduate-professional students in the College of Human Medicine.  
Development of foundational concepts and practical hands-on skills to prepare for, respond to, treat, and evacuate common illnesses and injuries in an austere environment.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Spring Semester 2023

### **DEPARTMENT OF ENGLISH**

- ENG 235 Exploring Digital Humanities: History, Practice, and Speculation  
Fall of every year. 3(2-2) Interdepartmental with Digital Humanities.  
History and theory of digital humanities in relation to literary and cultural studies. Critique of digital humanities projects. Production with digital humanities tools.  
Effective Fall Semester 2023

### **DEPARTMENT OF FAMILY MEDICINE**

- FM 621           Advanced Addiction Medicine  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) RB: FM 615 or Addition  
Medicine Intersession R: Open to graduate-professional students in the College of Human Medicine.  
Online non-clinical course exploring beyond the basics of addiction medicine including the  
science of substances, trauma, genetics and stigma of addiction, special populations,  
career exploration and stories of recovery.  
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 Semester 2023

### **DEPARTMENT OF FINANCE**

- FI 412           Advanced Investments  
Fall of every year. 3(3-0) P: FI 312 or FI 321 or approval of department RB: Introductory course in  
investments. R: Open to students in the Eli Broad College of Business and The Eli Broad Graduate  
School of Management and open to students in the Financial Planning and Wealth Management  
Minor and open to students in the Insurance and Risk Management Minor.  
Financial market turbulence and evolving societal trends create both challenges and  
opportunities for investors. Investment concepts, core theories and leading investment  
techniques. Develop the ability to integrate a wide range of skills and interdisciplinary  
knowledge for investment excellence.  
Effective Spring Semester 2024
- FI 812           Advanced Investments  
Fall of every year. 3(3-0) P: FI 312 or FI 321 or FI 851 or approval of department R: Open to  
students in the Eli Broad College of Business and The Eli Broad Graduate School of Management  
and open to students in the Financial Planning and Wealth Management Minor and open to students  
in the Insurance and Risk Management Minor.  
Financial market turbulence and evolving societal trends create both challenges and  
opportunities for investors. Investment concepts, core theories and leading investment  
techniques. Develop the ability to integrate a wide range of skills and interdisciplinary  
knowledge for investment excellence.  
Effective Spring Semester 2024

### **DEPARTMENT OF FOOD SCIENCE AND HUMAN NUTRITION**

- HNF 378           Applied Nutrition Assessment Laboratory  
Fall of every year. 1(0-2) P: HNF 377 or concurrently R: Open to juniors or seniors in the Dietetics  
Major or approval of department.  
Nutrition assessment development for dietetics practitioners including: community needs  
assessments, communication skills, anthropometric assessment, dietary assessment, and  
clinical assessment.  
SA: HNF 377L  
Effective Spring Semester 2024
- HNF 411           Research Methods in Dietetics  
Spring of every year. 3(3-0) P: (HNF 320 and HNF 377) and completion of Tier I writing requirement  
R: Open to undergraduate students in the Dietetics Major or approval of department.  
Fundamental approaches to research in dietetics.  
Effective Spring Semester 2024

### **DEPARTMENT OF FORESTRY**

- FOR 175 Tree Biology  
Spring of every year. 4(3-3) R: Open to undergraduate students in the Forestry Major or approval of department.  
Introduction to the foundational biological principles in forest trees. Biological factors responsible for tree growth form and function.  
Effective Spring Semester 2024

### **SCHOOL OF HOSPITALITY BUSINESS**

- HB 365 Hospitality Foodservice Systems II  
Fall of every year. Spring of every year. 3(2-2) P: HB 265 R: Open to sophomores or juniors or seniors in the Hospitality Business Major.  
Design and management of foodservice operations consistent with organizational strategy and quality benchmarks. Principles of cost control applied to various control points including menu planning, purchasing, receiving, storing, issuing, production, and service in food and beverage operations. Emphasis on food, beverage, and labor cost control including proactive inventory management and revenue control procedures.  
Effective Fall Semester 2024

### **COLLEGE OF HUMAN MEDICINE**

- HM 606 Student-Designed Non-Clinical Elective  
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Customized experience of medically-related skills and knowledge.  
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 Semester 2023

### **SCHOOL OF JOURNALISM**

- JRN 421 Media Literacy  
Spring of every year. 3(3-0)  
Media literacy seminar covering issues related to data literacy, privacy, Artificial Intelligence (AI), misinformation, disinformation, hoaxes, clickbait, sensationalism, propaganda, and hyper-partisanship. Examination of current digital media landscape and the complex processes behind newsmaking and consumption.  
Effective Spring Semester 2024

### **MSU COLLEGE OF LAW**

- LAW 542A International Children's Rights Lab  
On Demand. 0 to 6 credits. R: Open to students in the MSU College of Law.  
Engagement in children's rights research and advocacy and interaction with NGOs, lawyers and policymakers about issues affecting the rights of the child.  
Effective Fall Semester 2023
- LAW 580E Responsible Lawyering: Current Topics in Legal Ethics  
On Demand. 0 to 6 credits. P: LAW 500Q R: Open to students in the MSU College of Law.  
Effect of new business models, technological advancements and other changes on the ethical duties of lawyers.  
Effective Spring Semester 2024

**DEPARTMENT OF LINGUISTICS, LANGUAGES AND CULTURES**

- LLT 322 English as a Second Language Perspectives in Context  
Fall of every year. Spring of every year. 3(3-0)  
Features of language impacting language learning and teaching. Nature and role of culture in language development and academic achievement that support student learning.  
Effective Summer Semester 2024

**DEPARTMENT OF MARKETING**

- MKT 831 Communications in Marketing Research  
On Demand. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to master's students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Department of Marketing or in the Marketing Research and Analytics major or approval of department.  
Introduction to data visualization and the art and science behind creating visually impactful presentations. Strong focus on visual design principals to simplify complex data sets into easily consumable information.  
Effective Spring Semester 2024
- MKT 832 Marketing Research Online Communities  
On Demand. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to master's students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Department of Marketing or in the Marketing Research and Analytics major or approval of department.  
Impactful use cases in the research and insights space using live hands-on projects. Focus on the evolution from a faster, cheaper sample solution to a strategic platform for managing continuous conversations with hard to reach audiences.  
Effective Spring Semester 2024
- MKT 833 Social Listening and Text Analytics  
On Demand. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to master's students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Department of Marketing or in the Marketing Research and Analytics major or approval of department.  
Marketing research to information collected via social media. How social listening fits into an organizational structure, and how to properly respond to social media discussions. Development of familiarity of approaches for analyzing textual data. Selection of appropriate methods for a variety of research questions, and using both automated systems and analytic systems tools to analyze textual data.  
Effective Spring Semester 2024
- MKT 834 Consulting in Marketing Research  
On Demand. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to master's students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Department of Marketing or in the Marketing Research and Analytics major or approval of department.  
Art of consulting and relationship development as it applies to marketing research engagements. Prepare to become trusted consultants, whether participating on a team or in a leadership role.  
Effective Spring Semester 2024
- MKT 835 Story Telling in Marketing Research  
On Demand. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to master's students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Department of Marketing or in the Marketing Research and Analytics major or approval of department.  
Importance of storytelling within organizations and presentation structure including understanding the audience, creating credibility using background information and industry insight, creating the storyline, and creatively crafting the presentation.  
Effective Spring Semester 2024

### **COLLEGE OF OSTEOPATHIC MEDICINE**

- OST 619 Clerkship Specialized Elective  
Fall of every year. Spring of every year. Summer of every year. 1 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine. Approval of college.  
Faculty directed study on a specialized course/rotation.  
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 Semester 2023

### **DEPARTMENT OF RELIGIOUS STUDIES**

- REL 412 Jewish Mysticism (W)  
Fall of every year. 3(3-0) P: Completion of Tier I Writing Requirement R: Open to undergraduate students.
- REINSTATEMENT Introduction to the doctrines, ritual practices, and history of Jewish mysticism.  
Effective Fall Semester 2023

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

- ROM 801 Topics in Applied Romance Linguistics  
Spring of even years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
- REINSTATEMENT Major issues in applied linguistics and their relationship to Romance languages.  
Effective Spring Semester 2024

### **COLLEGE OF SOCIAL SCIENCE**

- SSC 495 Interdisciplinary Research Methods  
Fall of every year. Spring of every year. Summer of odd years. 3(3-0) RB: SSC 299 or concurrently  
Interdisciplinary research questions and methods. Practical and ethical issues involved with primary, qualitative research methodologies. Interdisciplinary/integrative approaches to producing knowledge.  
Effective Fall Semester 2023

### **DEPARTMENT OF SURGERY**

- SUR 635 Perioperative Trauma Medicine  
Fall of every year. Spring of every year. Summer of every year. 6(6-0) A student may earn a maximum of 12 credits in all enrollments for this course. P: SUR 641 RB: DDS, DMD R: Open to graduate-professional students in the College of Human Medicine.  
Assessment and management of perioperative medical issues in a trauma surgery environment.  
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 Semester 2023



## **PART III – COURSE CHANGES**

### **DEPARTMENT OF COMMUNITY SUSTAINABILITY**

- CSUS 465 Environmental and Natural Resource Law  
Fall of every year. 3(3-0) Interdepartmental with Environmental Economics and Management and Forestry. ~~P: CSUS 200 or EEM 255~~ P: CSUS 200 or AFRE 265 R: Open to juniors or seniors or graduate students.  
Legal principles and process related to the environment and natural resources. Common law, constitutional law, statutory and administrative law.  
SA: ESA 430, RD 430  
~~Effective Spring Semester 2019~~ Effective Spring Semester 2024

### **SCHOOL OF CRIMINAL JUSTICE**

- CJ 875 Digital Forensic Investigations  
~~Fall of every year.~~ Spring of every year. 3(3-0) R: Open to graduate students in the School of Criminal Justice or approval of school.  
Digital forensic analyses, including computer technology, data storage, proper search/seizure/imaging techniques, analysis of imaged devices, and proper presentation of evidence.  
~~Effective Fall Semester 2020~~ Effective Spring Semester 2024
- CJ 878 Economic Cybercrime and Fraud  
~~Fall of every year.~~ Spring of every year. 3(3-0) ~~R: Open to master's students in the School of Criminal Justice or approval of department.~~ R: Open to graduate 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 Semester 2024~~ Effective Spring Semester 2024
- CJ 879 Interpersonal Cybercrime  
~~Fall of every year.~~ Spring of every year. 3(3-0) ~~R: Open to master's students in the School of Criminal Justice or approval of department.~~ R: Open to graduate 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 Semester 2024~~ Effective Spring Semester 2024

### **DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES**

- GLG 813 Watershed Hydrology  
~~Spring of every year.~~ Spring of odd years. ~~4(3-4)~~ 3(3-0)  
Watershed hydrology covering the physical, chemical, and isotopic characteristics of river runoff generation from the pore to the catchment scale.  
~~Effective Summer Semester 2019~~ Effective Spring Semester 2024

### **DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING**

- ECE 416 Digital Control  
Spring of every year. ~~3(2-3)~~ 4(3-3) P: ECE 303 and ECE 313 ~~R: Open to juniors or seniors in the Computer Engineering major or in the Electrical Engineering major.~~ R: Open to juniors or seniors in the Electrical Engineering Major or in the Computer Engineering Major.  
State-space models. Analysis and design of control systems using state models. Digital control. Discrete-models of sampled-data systems. Quantization effects and sample-rate selection. System identification. Simulation of nonlinear control systems. Examples of nonlinear phenomena. State of the art of control engineering. Control laboratory.  
~~Effective Fall Semester 2013~~ Effective Spring Semester 2024
- ECE 877 Cleanroom Procedures  
~~Fall of every year.~~ Spring of every year. 3(2-3) R: Open to graduate students in the College of Engineering.  
Cleanroom procedures and safety. Instrumentation for microfabrication processes and device measurements. Fabrication and testing of devices.  
~~Effective Fall Semester 2013~~ Effective Fall Semester 2024
- ECE 929B Antenna Theory  
Fall of odd years. Spring of odd years. ~~4(4-0)~~ 3(3-0) ~~RB: ECE 835~~ RB: (ECE 835) or ECE 835  
~~Antennas and EM scattering. Radiation by currents and surface fields. Equivalence principle. Receiving antennas. Arrays and synthesis. Integral equations. Current and impedance of wire antennas. Slot, aperture and reflector antennas. Singularity expansion method.~~ Antennas and EM scattering. Radiation by currents and surface fields. Equivalence principle. Receiving antennas. Integral equations. Current and impedance of wire antennas. Slot, aperture and reflector antennas.  
SA: EE 929B  
~~Effective Fall Semester 2002~~ Effective Fall Semester 2024

### **DEPARTMENT OF FOOD SCIENCE AND HUMAN NUTRITION**

- HNF 300 Experimental Approaches to Foods  
Fall of every year. Spring of every year. 4(2-4) ~~P: ((CEM 143 or concurrently) or (CEM 251 or concurrently)) and completion of Tier I writing requirement~~ P: (CEM 143 or concurrently) or (CEM 251 or concurrently) or (LB 271 or concurrently) ~~R: Open to juniors or seniors in the Dietetics Major or in the Food Science Major.~~ R: Open to students in the Food Science Major and open to students in the Dietetics Major.  
Effects of preparation methods and ingredient substitutions on chemical and physical properties of food constituents. Effects of changes in chemical and physical properties on functional and sensory attributes of foods.  
~~Effective Summer Semester 2016~~ Effective Spring Semester 2024
- HNF 377L Applied Nutrition Assessment Laboratory  
Fall of every year. 1(0-2) P: HNF 377 or concurrently R: Open to juniors or seniors in the Dietetics Major or in the Nutritional Sciences Major or in the Lyman Briggs Nutritional Sciences Coordinate Major.  
Nutrition assessment development for practitioners including community needs, communication skills, anthropometric, dietary, and clinical assessments.  
DELETE COURSE  
Effective Summer Semester 2023
- HNF 440 Foodservice Operations  
Fall of every year. 3(3-0) P: HNF 150 and (HNF 300 or concurrently) ~~R: Open to juniors or seniors in the Dietetics Major.~~ R: Open to students in the Dietetics Major.  
Principles, processes and control strategies in foodservice operations. Menu planning, procurement, and on-premise storage and issuance. Purchasing, ethics, production, safety and sanitation.  
~~Effective Fall Semester 2020~~ Effective Spring Semester 2024

### SCHOOL OF HOSPITALITY BUSINESS

- HB 100 Introduction to Hospitality Business  
Fall of every year. Spring of every year. ~~2(2-0)~~ 3(3-0) ~~R: Not open to juniors or seniors.~~ R: Open to students in the Hospitality Business Major and open to freshmen or sophomores.  
~~Sectors, segments and disciplines of the hospitality and tourism industries. Impact of travel and tourism. Hospitality trends. Overview of accounting, marketing, and sales.~~  
Sectors, segments, and disciplines of the hospitality and tourism industries. Impact of travel and tourism on local and national economics. Emerging hospitality industry trends that affect different segments of the industry. Overview of interdependent operating and administrative departments in hospitality organizations. Recognition of key management and ownership structures. Exploration of hospitality industry careers.  
SA: HB 200  
~~Effective Fall Semester 2013~~ Effective Fall Semester 2024
- HB 207 Hospitality Management and Leadership  
Fall of every year. Spring of every year. 3(3-0) R: Open to students in the Hospitality Business Major. Not open to students with credit in HB 267.  
~~Overview of management and leadership theories and applications specific to the hospitality industry. Discussion of leadership principles, management principles, change management, decision making, communications, motivational theories, and negotiation skills. Overview of management and leadership theories and applications at different quality levels of the hospitality industry. Discussion of intrapersonal and interpersonal leadership and management principles, change management processes, organizational design, decision-making, leadership communications, motivational theories, and negotiation skills. Examination of hospitality industry leaders and their contributions through readings and cases.~~  
Overview of management and leadership theories and applications at different quality levels of the hospitality industry. Discussion of intrapersonal and interpersonal leadership and management principles, change management processes, organizational design, decision-making, leadership communications, motivational theories, and negotiation skills. Examination of hospitality industry leaders and their contributions through readings and cases.  
~~Effective Summer Semester 2020~~ Effective Fall Semester 2024
- HB 237 Hospitality Lodging Systems  
Fall of every year. Spring of every year. 3(3-0) ~~R: Not open to seniors.~~ R: Open to students in the Hospitality Business Major.  
~~Interrelated systems in lodging operations for front desk/guest services, reservations, housekeeping, engineering, sales/conference services, accounting, security as well as food and beverage. Segmentation of lodging products and associated management challenges. Interrelated nature of various organizational systems in lodging operations including front desk/guest services, reservations, housekeeping, engineering, sales/conference services, accounting, security, and food and beverage. Impact of service quality on lodging revenue and demand. Managing customer feedback. Segmentation of lodging products on quality basis and associated management challenges.~~  
Interrelated nature of various organizational systems in lodging operations including front desk/guest services, reservations, housekeeping, engineering, sales/conference services, accounting, security, and food and beverage. Impact of service quality on lodging revenue and demand. Managing customer feedback. Segmentation of lodging products on quality basis and associated management challenges.  
~~Effective Summer Semester 2024~~ Effective Fall Semester 2024
- HB 273 Hospitality Business Analytics  
Fall of every year. Spring of every year. 3(3-0) ~~P: CSE 102~~ RB: Basic Microsoft Excel Skills R: Open to students in the Hospitality Business Major or in the Real Estate Minor. Not open to students with credit in ITM 209.  
~~Quantitative and analytical skills used to communicate key business information effectively. Study of how business modeling and data analytics can increase decision making efficacy. Course topics include but are not limited to consistency and scenario analysis, financial modeling and forecasting, and applied business statistics methods.~~  
Analytical skills used to communicate key business information effectively. Study how data analytics can increase decision making efficacy and contribute to organizational successes at different levels of hospitality organizational quality. Provide the process of collecting, analyzing, and visualizing data to support business decision-making. Focus on hands-on experience in transforming data into insights that drive hospitality business performance.  
SA: HB 473  
~~Effective Summer Semester 2022~~ Effective Fall Semester 2024

- HB 302 Hospitality Managerial Accounting  
Fall of every year. Spring of every year. 3(3-0) ~~P: ACC 204~~ P: ACC 230 or ACC 201 R: Open to sophomores or juniors or seniors in the Hospitality Business Major. ~~Not open to students with credit in ACC 202 or ACC 230. Not open to students with credit in ACC 202.~~  
Principles of managerial accounting applied to hospitality enterprises. Topics include financial statements, forecasting methods, internal control, and ethics. Introduction to basic concepts, uses, and procedures of accounting to inform and aid hospitality managers in their planning, directing, and controlling roles. Use of financial statements, forecasting, and internal control to support managerial decision making. Application of budgeting, product and service costing, profitability analysis, pricing, and performance measurement to hospitality operations at different quality levels.  
~~Effective Summer Semester 2020~~ Effective Fall Semester 2024
- HB 307 Hospitality Human Resources  
Fall of every year. Spring of every year. 3(3-0) ~~P: HB 204~~ RB: Completion of Level I internship. R: Open to juniors or seniors in the Hospitality Business Major. Not open to students with credit in MGT 315.  
~~Human resource management and interpersonal skills in the hospitality industry. Managing in a culturally diverse workplace. Benefits, compensation, employee and labor relations, equal opportunity, ethics, interviewing, job analysis and description, labor laws, performance management and appraisal, personnel planning, recruitment, retention, risk management, strategic planning, talent management, testing and selection, training and development.~~Human resource management and employee relations in the hospitality industry. Managing in a culturally diverse workplace. Benefits, compensation, compensation, labor relations, equal opportunity, ethics, interviewing, job analysis and description, labor laws, performance management and appraisal, workforce planning, recruitment, retention, risk management, strategic planning, talent management, testing and selection, training, and development, and managing global human resources.  
~~Effective Summer Semester 2020~~ Effective Fall Semester 2024
- HB 311 Hospitality Finance  
Fall of every year. Spring of every year. 3(3-0) ~~P: ACC 201 or ACC 230~~ P: ACC 230 or ACC 201 ~~R: Open to sophomores or juniors or seniors in the Hospitality Business Major or in the Hospitality Business Real Estate Investment Management Minor.~~ R: Open to sophomores or juniors or seniors in the Hospitality Business Major or in the Real Estate Minor. Not open to students with credit in FI 311 or FI 320.  
~~Optimal management of a hospitality firm's assets and financing requirements. Analysis of financial statements, financial markets, risk, valuation, short term and long term financing and investment. Overview of financial management for hospitality business majors.~~Analysis of financial statements, markets, and assets. Risk and valuation, corporate budgeting, and investment decisions. International and ethical implications. Current events applications.  
~~Effective Summer Semester 2020~~ Effective Fall Semester 2024
- HB 337 Hospitality Information Systems  
Fall of every year. Spring of every year. 3(3-0) ~~P: CSE 402~~ R: Open to juniors or seniors in the Hospitality Business Major.  
~~Technology for gathering, analyzing, storing and communicating information within the hospitality industry.~~Technology for gathering, analyzing, storing, and communicating information in the hospitality industry. Information systems and technology supporting hospitality service processes and management. Consumer facing technology. Enterprise technology. Technology to support and achieve organizational strategy and goals. Current topics such as big data, artificial intelligence, social media, and data security.  
~~Effective Summer Semester 2022~~ Effective Fall Semester 2024
- HB 349 Hospitality Facilities Management  
Fall of every year. 3(3-0) ~~R: Open to juniors or seniors in the Hospitality Business Major or in the Hospitality Business Real Estate Investment Management Minor.~~ R: Open to juniors or seniors in the Hospitality Business Major or in the Real Estate Minor.  
Managing the physical plant of a hospitality business. Key systems, safety, preventive maintenance, energy conservation.  
~~Effective Summer Semester 2024~~ Effective Fall Semester 2024

- HB 437 Hospitality Revenue Management  
Fall of every year. Spring of every year. 3(3-0) P: (HB 273 or ITM 209) and (MKT 327 or MKT 300)  
R: Open to juniors or seniors in the Hospitality Business Major or in the Real Estate Minor.  
~~Exposure to key management and marketing issues relating to the effective implementation of revenue management. The relationships between the revenue management function and other functions or departments in the hospitality organization. The role and job responsibilities of a revenue manager. The identification of distribution channels that hospitality organizations may use to distribute their inventory. Key management and marketing issues relating to the effective implementation of revenue and demand management. Relationships between the revenue management function and other functions or departments in the hospitality organization. Role and job responsibilities of a revenue (commercial) manager. Identification of distribution channels that hospitality organizations may use to distribute their inventory.~~  
Effective Summer Semester 2022 Effective Fall Semester 2024
- HB 447 Hospitality Business Law  
Fall of every year. Spring of every year. 3(3-0) R: Open to juniors or seniors in the Hospitality Business Major. Not open to students with credit in GBL 323 or GBL 385.  
~~Legal aspects of hospitality industry, including structure of the U.S. legal system, contracts, torts, discrimination, property and product liability. Administrative law and government regulation of the industry. Overview of legal implications of acts by hospitality professionals, employees, guests, and visitors. Analysis of rights, risks, and responsibilities of hospitality industry managers and employees. Legal aspects of hospitality industry including structure of the U.S. legal system, contracts, torts, discrimination, property, and product liability. Administrative law and government regulation of the industry.~~  
SA: GBL 447  
Effective Summer Semester 2020 Effective Fall Semester 2024
- HB 470 Real Estate Asset Management  
Fall of every year. Spring of every year. 3(3-0) ~~P: (HB 273 or ITM 209) and (FI 320 or FI 311) P: (HB 273 or ITM 209) and (HB 311 or FI 311 or FI 320) R: Open to juniors or seniors in the Hospitality Business Major or in the Hospitality Real Estate Minor.~~ R: Open to juniors or seniors in the Hospitality Business Major or in the Real Estate Minor.  
~~Market forces affecting consumer and business spending applied to the management of real estate assets. Theoretical analyses, practical analyses, and hospitality industry specific cases requiring the use of spreadsheet software and technical writing skills. Application of operations expertise to capital investment and disposition decisions. Management contracts, franchise agreements, capital budgets, capital markets, capital structures, labor, market cycles, and brand decisions.~~  
Market forces affecting consumer and business spending applied to the management of real estate assets. Theoretical analyses, practical analyses, and hospitality industry specific cases requiring the use of spreadsheet software and technical writing skills. Application of operations expertise to capital investment and disposition decisions. Management contracts, franchise agreements, capital budgets, capital markets, capital structures, labor, market cycles, and brand decisions.  
Effective Summer Semester 2022 Effective Fall Semester 2024
- HB 472 Real Estate Financial Modeling  
Fall of every year. Spring of every year. 1(1-0) ~~P: (HB 273 or ITM 209) and (FI 320 or FI 311) P: (HB 273 or ITM 209) and (HB 311 or FI 311 or FI 320) R: Open to juniors or seniors in the Hospitality Business Major or in the Hospitality Real Estate Minor.~~ R: Open to juniors or seniors in the Hospitality Business Major or in the Real Estate Minor.  
Design and development of computer spreadsheet-based models to analyze real estate investment financial strategies and valuation issues.  
Effective Summer Semester 2022 Effective Fall Semester 2024

- HB 474 Real Estate Valuation  
Fall of every year. Spring of every year. 3(3-0) ~~P: (HB 273 or ITM 209) and (FI 320 or FI 311)~~ P: (HB 273 or ITM 209) and (HB 311 or FI 311 or FI 320) R: Open to juniors or seniors in the Hospitality Business Major or in the Real Estate Minor.  
Financial management principles for real estate appraisal and valuation considering perspectives of brokers, consultants, developers, and investors. Theoretical and practical analyses with hospitality industry cases using spreadsheet software and technical writing. Capital markets, capital structures, discounted cash flow, internal rate of return, leverage, and net present value.  
~~Effective Summer Semester 2022~~ Effective Fall Semester 2024
- HB 482 Advanced Hospitality Finance  
Spring of every year. 3(3-0) ~~P: (HB 273 or ITM 209) and (FI 320 or FI 311)~~ P: (HB 273 or ITM 209) and (HB 311 or FI 311 or FI 320) R: Open to juniors or seniors in the Hospitality Business Major or in the Real Estate Minor.  
Financial analysis regarding the financial viability of hospitality companies. Choosing between investment alternatives, financing, and financial restructuring.  
~~Effective Summer Semester 2022~~ Effective Fall Semester 2024
- HB 485 Hospitality Foodservice Operations  
Fall of every year. Spring of every year. 3(1-4) ~~P: HB 345 and HB 346L~~ P: HB 365 R: Open to juniors or seniors in the Hospitality Business Major.  
Beverage management and dining room service. Guest relations and current management topics. Emphasis on foodservice team projects.  
~~Effective Summer Semester 2020~~ Effective Fall Semester 2024
- HB 489 Hospitality Business Strategy (W)  
Fall of every year. Spring of every year. 3(3-0) P: (HB 307 or MGT 315) and completion of Tier I writing requirement RB: Completion of Level I and Level 2 internships. R: Open to seniors in the Hospitality Business Major.  
~~Management problems and issues in the hospitality industry. Focus on decision making models. Case study analysis, discussion and report writing. Internal and external analyses to develop sustainable competitive advantage. Generic business strategies. Internal resources and external environments. Developing strategic direction. Strategic thinking and planning. Formulating organizational strategy at business unit and corporate levels. Strategy implementation through organizational design and control.~~  
Effective Summer Semester 2020 Effective Fall Semester 2024

### COLLEGE OF HUMAN MEDICINE

- HM 614 ~~Student-Designed Elective Clerkship~~  
Student-Designed Clinical Elective  
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. ~~P: HM 556 RB: HM 556~~ R: Open to graduate-professional students in the College of Human Medicine.  
~~Customized experience of clinical science skills and knowledge. Clinical performance evaluation.~~  
Customized experience of clinical science skills and knowledge in a patient care setting.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
~~Effective Summer Semester 2019~~ Effective Fall Semester 2023

**CENTER FOR INTEGRATIVE STUDIES IN ARTS AND HUMANITIES**

- IAH 201 United States and the World (D)  
Fall of every year. Spring of every year. 4(4-0) ~~P: (WRA 1004) or designated score on English Placement test~~ RB: Completion of Tier I Writing Requirement  
Major issues in development of U.S. society and culture, presented in international and comparative context. Influences from native Americans, Europeans, Africans, and Asians. Organized historically, with thematic emphasis on literature and the arts.  
~~Effective Fall Semester 2024~~ Effective Fall Semester 2023
- IAH 202 Europe and the World (I)  
Fall of every year. Spring of every year. Summer of every year. 4(4-0) ~~P: (WRA 1004) or designated score on English Placement test~~ RB: Completion of Tier I Writing Requirement ~~P: Open to undergraduate students.~~  
Cultural encounters and political relationships between Europeans and people(s) from other regions of the world since 1500 as shown through study of written texts, literature, the visual arts, music, and other forms of expression. Examples from Europe and several continents.  
~~Effective Fall Semester 2024~~ Effective Fall Semester 2023
- IAH 203 Latin America and the World (I)  
Fall of every year. Spring of every year. Summer of every year. 4(4-0) ~~P: (WRA 1004) or designated score on English Placement test~~ RB: Completion of Tier I Writing Requirement  
Major issues in the development of Latin American societies and cultures, presented in global perspective. Influences from indigenous peoples, Europeans, Africans, and others. Organized thematically and historically, through study of written texts, literature, and the arts.  
~~Effective Fall Semester 2024~~ Effective Fall Semester 2023
- IAH 204 Asia and the World (I)  
Fall of every year. 4(4-0) ~~P: (WRA 1004) or designated score on English Placement test~~ RB: Completion of Tier I Writing Requirement  
Major issues in the development of Asian societies and cultures and their interaction with other regions of the world since 1600. Topics from East, Southeast, and South Asia. Organized thematically and historically, through study of written texts, the arts, and other forms of expression.  
~~Effective Fall Semester 2024~~ Effective Fall Semester 2023
- IAH 205 Africa and the World (I)  
Fall of every year. Spring of every year. Summer of every year. 4(4-0) ~~P: (WRA 1004) or designated score on English Placement test~~ RB: Completion of Tier I Writing Requirement  
Major issues in the development of African societies and their interaction with other regions of the world since 600 through study of written texts, the arts and other forms of expression. Topics from West, East, North, and Southern Africa. Organized thematically and historically.  
~~Effective Fall Semester 2024~~ Effective Fall Semester 2023
- IAH 206 Self, Society, and Technology (D)  
Fall of every year. Spring of every year. 4(4-0) ~~P: (WRA 1004) or designated score on English Placement test~~ RB: Completion of Tier I Writing Requirement  
Exploration in how technology affects and is affected by our conceptions of ourselves, relations with others, and our ideals. Approaches and materials from philosophy, literature, art, music, and history as well as the natural sciences.  
~~Effective Fall Semester 2024~~ Effective Fall Semester 2023
- IAH 207 Literatures, Cultures, Identities (I)  
Fall of every year. Spring of every year. Summer of every year. 4(4-0) ~~P: (WRA 1004) or designated score on English Placement test~~ RB: Completion of Tier I Writing Requirement  
Explorations in how literature reflects, creates, and challenges cultural and individual identities. Approaches and materials from literature, philosophy, the arts, religion, and history. Selected themes and issues, variable by term.  
~~Effective Fall Semester 2024~~ Effective Fall Semester 2023

- IAH 207A Race and Identity in Film and Media (D)  
Fall of every year. Spring of every year. Summer of even years. 4(2-3) ~~P: (WRA 1004) or designated score on English Placement test~~ RB: Completion of Tier I Writing Requirement  
The production of racial identity through film and other media. Approaches and materials from literature, philosophy, the arts, religion, and history. Selected themes and issues, variable by term.  
~~Effective Fall Semester 2022~~ Effective Fall Semester 2023
- IAH 208 Music and Culture (I)  
Fall of every year. Spring of every year. 4(4-0) ~~P: (WRA 1004) or designated score on English Placement test~~ RB: Completion of Tier I Writing Requirement  
Relationships between music and culture. Organized historically, geographically, or thematically, through study of written texts, music, the visual arts, and other forms of expression. Selected topics, variable by term in content and approach.  
~~Effective Fall Semester 2024~~ Effective Fall Semester 2023
- IAH 209 Art, the Visual, and Culture (D)  
Fall of every year. Spring of every year. Summer of every year. 4(4-0) ~~P: (WRA 1004) or designated score on English Placement test~~ RB: Completion of Tier I Writing Requirement  
Exploration of art and visual culture in historical and cultural contexts. Reading and analysis of images. Approaches and materials from art history, anthropology, history, literature, philosophy, religious studies, economics, and natural science in cross-cultural and international perspective. Content variable by term.  
~~Effective Fall Semester 2024~~ Effective Fall Semester 2023
- IAH 210 Middle East and the World (I)  
Fall of every year. 4(4-0) ~~P: (WRA 1004) or designated score on English Placement test~~ RB: Completion of Tier I Writing Requirement  
Major issues in the development of Middle Eastern societies and cultures, presented in global perspective. Influences from European, Africans, Asians, and others. Organized thematically and historically, through study of written texts, literature, and the arts.  
~~Effective Fall Semester 2024~~ Effective Fall Semester 2023

### **SCHOOL OF JOURNALISM**

- DS 211 Documentary Film History and Theory  
Fall of every year. ~~3(4-4)~~ 3(3-0) 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.~~ 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 Cultures.  
Documentary history and theory from its origins to the present.  
SA: MI 211  
~~Effective Summer Semester 2024~~ Effective Spring Semester 2024
- 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: DS 211 and CAS 112 ~~R: Open to students in the School of Journalism or in the Department of Media and Information or in the Documentary Production Minor.~~ R: Open to undergraduate students in the Documentary Production Minor.  
Introduction to documentary production using accessible and affordable digital technology.  
SA: MI 311  
~~Effective Summer Semester 2024~~ Effective Spring Semester 2024

**MSU COLLEGE OF LAW**

- LAW 501J Secured Transactions and Practice  
Fall of every year. Spring of every year. Summer of every year. ~~0 to 4 credits. 0 to 6 credits. P: LAW 500E P: LAW 530B R: Open to Law students or master's of law students or law lifelong students or law non-degree students. R: Open to students in the MSU College of Law.~~ Not open to students with credit in LAW 501E.  
~~Examination of the intricacies of a secured transaction under the Revised Article 9 of the Uniform Commercial Code.~~ Intricacies of a secured transaction under the Revised Article 9 of the Uniform Commercial Code.  
~~Effective Summer Semester 2014~~ Effective Spring Semester 2024
- LAW 505C Problem-Solving Approaches to Conflict Resolution  
Fall of every year. Spring of every year. Summer of every year. ~~2 to 4 credits. 0 to 6 credits. P: LAW 500A or LAW 500B P: LAW 530A R: Open to students in the MSU College of Law.~~  
~~An interactive course covering alternative dispute resolution, negotiations, mediation, agreements to mediate, mediator liability, and professional responsibility.~~ Alternative dispute resolution, negotiations, mediation, agreements to mediate, mediator liability, and professional responsibility.  
SA: DCL 553  
~~Effective Spring Semester 2006~~ Effective Spring Semester 2024
- LAW 506G Advanced Chapter 7 Practicum  
Fall of every year. Spring of every year. Summer of every year. 0 to 6 credits. ~~P: LAW 506E R: Open to Law students or master's of law students or law lifelong students or law non-degree students. R: Open to students in the MSU College of Law.~~  
Provide assistance to the pro se debtor in chapter 7 bankruptcy cases.  
Request the use of the Pass-Fail Grade (P-F) system.  
~~Effective Spring Semester 2012~~ Effective Spring Semester 2024
- LAW 508C Corporate Income Tax  
Fall of every year. 0 to 6 credits. ~~P: LAW 501A or LAW 501B or LAW 501K P: LAW 501K R: Open to Law students or law advanced students or law lifelong students or law non-degree students. R: Open to students in the MSU College of Law.~~  
Federal income tax of corporations and shareholders. Tax consequences of choice of entity. Tax aspects of S-Corporation.  
SA: DCL 465  
~~Effective Summer Semester 2019~~ Effective Spring Semester 2024
- LAW 512K International Commercial Arbitration  
Fall of every year. Spring of every year. Summer of every year. ~~1 to 4 credits. 0 to 6 credits. P: LAW 500A and LAW 500B P: LAW 530A R: Open to Law students or master's of law students or law lifelong students or law non-degree students. R: Open to students in the MSU College of Law.~~  
~~Understanding of the international commercial arbitration process and the role of national courts.~~ The international commercial arbitration process and the role of national courts.  
~~Effective Fall Semester 2009~~ Effective Spring Semester 2024
- LAW 519 Partnership Tax  
Spring of every year. 0 to 6 credits. ~~P: (LAW 501A or LAW 501B or LAW 501K) and LAW 500M P: (LAW 501K) and LAW 500M R: Open to Law students or law advanced students or law lifelong students or law non-degree students. R: Open to students in the MSU College of Law.~~  
Tax issues associated with form, term, liquidation, transfer and class problems.  
SA: DCL 316  
~~Effective Summer Semester 2019~~ Effective Spring Semester 2024
- LAW 533J Patent Application Preparation  
Fall of every year. 0 to 6 credits. ~~P: (LAW 533K or concurrently) or (LAW 533V or concurrently) P: LAW 533K or concurrently R: Open to Law students or law advanced students or law lifelong students or law non-degree students in the MSU College of Law. R: Open to students in the MSU College of Law.~~  
Structure and methodology for preparing a universal patent application suitable for filing patents throughout the world.  
SA: DCL 556  
~~Effective Summer Semester 2017~~ Effective Spring Semester 2024

- LAW 540B ~~Estate Planning & Drafting Seminar~~  
Estate Planning and Drafting Seminar  
Spring of every year. ~~2 to 4 credits. 0 to 6 credits.~~ P: (LAW 501A or LAW 501B) and (LAW 501D and LAW 500C) R: Open to students in the MSU College of Law.  
~~The course focuses on federal estates, gifts, & generation skipping transfer taxes. This is a hand on course that requires students to draft wills and trusts. Federal estates, gifts, and generation-skipping transfer taxes. Draft wills and trusts.~~  
SA: DCL 482  
~~Effective Spring Semester 2006~~ Effective Spring Semester 2024
- LAW 545P International Taxation and Tax Treaties  
On Demand. 0 to 6 credits. ~~P: LAW 501K or LAW 501A or LAW 501B~~ P: LAW 501K R: ~~Open to Law students or master of laws students or law lifelong students or law non degree students.~~ R: Open to students in the MSU College of Law.  
~~Surveys U.S. taxation of U.S. and foreign persons engaged in international activities. U.S. taxation of U.S. and foreign persons engaged in international activities.~~  
~~Effective Fall Semester 2016~~ Effective Spring Semester 2024
- LAW 549D Topics in Comparative Constitutional Law  
Fall of every year. Spring of every year. Summer of every year. ~~4 to 4 credits. 0 to 6 credits.~~ P: ~~LAW 500J and LAW 500K and LAW 500C~~ R: ~~Open to Law students or master's of law students or law lifelong students or law non degree students.~~ R: Open to students in the MSU College of Law.  
~~Examination of approaches to free expression in a variety of democratic countries. Approaches to free expression in a variety of democratic countries.~~  
~~Effective Spring Semester 2009~~ Effective Spring Semester 2024
- LAW 579A Bill of Rights Seminar  
Fall of every year. ~~2 to 4 credits. 0 to 6 credits.~~ P: ~~LAW 500C and LAW 500N~~ R: Open to students in the MSU College of Law.  
~~This course focuses on the legal & theoretical questions surrounding the Bill of Rights. Legal and theoretical questions surrounding the Bill of Rights.~~  
SA: DCL 394  
~~Effective Spring Semester 2006~~ Effective Spring Semester 2024
- LAW 593B Commercial Transactions Seminar  
Fall of every year. ~~2 to 4 credits. 0 to 6 credits.~~ P: ~~LAW 501C and LAW 501E~~ R: Open to students in the MSU College of Law.  
~~A study of commercial financing from the point of view of a practitioner. Commercial financing from the point-of-view of a practitioner.~~  
SA: DCL 490  
~~Effective Spring Semester 2006~~ Effective Spring Semester 2024
- LAW 593G Consumer Law  
Fall of every year. Spring of every year. Summer of every year. ~~1 to 4 credits. 0 to 6 credits.~~ P: ~~LAW 500D and LAW 500E and LAW 500C and LAW 500R~~ P: LAW 530B R: ~~Open to Law students or master's of law students or law lifelong students or law non degree students.~~ R: Open to students in the MSU College of Law.  
Special legal requirements for consumer transactions.  
SA: DCL 365  
~~Effective Fall Semester 2009~~ Effective Spring Semester 2024
- LAW 594B Contract Theory Seminar  
Fall of every year. Spring of every year. ~~2 to 4 credits. 0 to 6 credits.~~ P: ~~LAW 500D and LAW 500E~~ P: LAW 530B R: Open to students in the MSU College of Law.  
~~Explore the theoretical & jurisprudential basis for enforcement of promises. Readings & discussions will address historical & anthropological conceptions of contract, comparative analyses of the civil & common law of contracts & gift promises, theoretical justifications for state enforcement of promises & modern challenges to contract doctrines & principles such as freedom of contracts. Theoretical and jurisprudential basis for enforcement of promises.~~  
SA: DCL 600  
~~Effective Spring Semester 2006~~ Effective Spring Semester 2024

- LAW 627A Moot Court Competition  
Fall of every year. ~~2 to 4 credits.~~ 0 to 6 credits. ~~P: LAW 500J and LAW 500K~~ P: (LAW 530D or LAW 530E or LAW 530Q or LAW 530N) and LAW 530J R: Open to students in the MSU College of Law.  
~~This is an intramural Moot Court Competition open to all students after their first year. Students must elect this option during their third semester.~~ Intramural Moot Court Competition.  
Request the use of the Pass-Fail Grade (P-F) system.  
SA: DCL 700  
~~Effective Spring Semester 2006~~ Effective Spring Semester 2024
- LAW 627N Negotiation Competition  
Fall of every year. Spring of every year. 0 to 6 credits. ~~A student may earn a maximum of 6 credits in all enrollments for this course.~~ P: (LAW 530D or LAW 530E or LAW 530N or LAW 530Q) and LAW 530J and LAW 530F ~~P: LAW 530D or LAW 530E or LAW 530N or LAW 530Q~~ R: Open to Law students. ~~R: Open to students in the MSU College of Law.~~  
~~Mechanics of negotiation~~ Mechanics of negotiation with a focus on preparation for interscholastic or bar association competitions.  
Request the use of the Pass-Fail Grade (P-F) system.  
~~Effective Fall Semester 2015~~ Effective Spring Semester 2024
- LAW 630K Street Law  
Fall of every year. Spring of every year. Summer of every year. ~~0 to 4 credits.~~ 0 to 6 credits. ~~A student may earn a maximum of 4 credits in all enrollments for this course.~~ P: LAW 500C and LAW 500N and LAW 500F P: LAW 530S ~~R: Open to Law students or master's of law students or law lifelong students or law non-degree students.~~ R: Open to students in the MSU College of Law.  
Collaboration with a local school district to expose high school students to the law and legal concepts.  
~~Effective Spring Semester 2010~~ Effective Spring Semester 2024
- LAW 636 American Legal History Seminar  
Fall of every year. ~~2 to 4 credits.~~ 0 to 6 credits. ~~P: LAW 500C~~ P: LAW 530S R: Open to students in the MSU College of Law.  
~~A study of the tension between the rights of the individual and the government.~~ Tension between the rights of the individual and the government.  
SA: DCL 552  
~~Effective Spring Semester 2006~~ Effective Spring Semester 2024
- LAW 810U Regulatory Leadership in Food Law  
Spring of every year. 0 to 6 credits. R: Open to Law students or law advanced students or law lifelong students or law non-degree students.  
Introduction to regulatory affairs through the regulation of food.  
DELETE COURSE  
Effective Summer Semester 2023

### DEPARTMENT OF LINGUISTICS, LANGUAGES AND CULTURES

- LLT 307 Methods of Second and Foreign Language Teaching  
Fall of every year. Spring of every year. 3(3-0) ~~P: Completion of Tier I Writing Requirement~~  
National and international approaches, methods, materials, settings, needs, and characteristics of ESL and foreign language students. Survey, evaluation, and application of major effective methods and materials.  
SA: ENG 307  
~~Effective Summer Semester 2015~~ Effective Summer Semester 2024
- LLT 346 Pedagogical English Grammar for English Teachers  
Fall of every year. 3(3-0) ~~P: LIN 200 or LIN 401 or ENG 302~~ P: (LIN 200 or concurrently) or (LIN 401 or concurrently) or (ENG 302 or concurrently)  
Teaching grammar to English-as-second language (ESL) students. Grammar lesson plan development. English grammar, error identification, common English-as-second language errors, evaluation of grammar textbooks, and the role of error correction in English-as-second language teaching.  
~~Effective Summer Semester 2014~~ Effective Summer Semester 2024

- LLT 361 Second and Foreign Language Learning  
Fall of every year. Spring of every year. 3(3-0) ~~P: LIN 200 or LIN 401 or ENG 302~~ P: (LIN 200 or concurrently) or (LIN 401 or concurrently) or (ENG 302 or concurrently)  
Basic principles of learning a second or foreign language. Issues in first language acquisition. Theories of second language learning. Aptitude, motivation, attitude, learning grammar, age, learning in a classroom, myths, and facts about second language learning.  
~~Effective Summer Semester 2014~~ Effective Summer Semester 2024
- LLT 362 Child Second Language Learning  
Fall of every year. Spring of every year. 3(3-0) ~~P: LIN 200 or LIN 401 or ENG 302~~ P: (LIN 200 or concurrently) or (LIN 401 or concurrently) or (ENG 302 or concurrently) RB: Some familiarity with linguistic concepts.  
Basic principles of child second language learning and socialization. Simultaneous bilingualism, differences between child first and second language learning. Effects of age and individual and social factors in second language learning. Interaction and language learning, and loss of a first language. Classroom language learning in mainstream, immersion, bilingual, and heritage language classrooms.  
~~Effective Spring Semester 2023~~ Effective Summer Semester 2024

### LYMAN BRIGGS COLLEGE

- LB 133 ~~Introduction to History, Philosophy, and Sociology of Science~~  
Introduction to Science and Society  
Fall of every year. Spring of every year. 4(4-0) P: Designated score on English Placement test ~~R: Open to students in the Lyman Briggs College or in the Science, Technology, Environment and Public Policy Specialization.~~ R: Open to students in the Lyman Briggs College. ~~Not open to students with credit in RCAH 111 or WRA 101 or WRA 195H.~~ Not open to students with credit in MC 111 or RCAH 111 or WRA 101 or WRA 195H.  
~~Introduction to the history, philosophy, and sociology of science, technology, the environment, and medicine. Instruction and practice in formal writing.~~ Introduction to the science of society, technology, the environment, and medicine. Instruction and practice in formal writing.  
SA: LBS 133  
~~Effective Fall Semester 2016~~ Effective Fall Semester 2023
- LB 290A Directed Study-Multidisciplinary  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. ~~R: Open to students in the Lyman Briggs College.~~ R: Open to students in the Lyman Briggs College or in the  
~~Directed studies involving at least two Lyman Briggs College curricular areas: biology, chemistry, physics, mathematics, history, philosophy, and sociology of science.~~ Directed studies involving at least two Lyman Briggs College curricular areas: biology, chemistry, physics, mathematics, and science and society.  
SA: LBS 290A  
~~Effective Spring Semester 2014~~ Effective Fall Semester 2023
- LB 330 ~~Topics in History, Philosophy, and Sociology of Science (W)~~  
Topics in Science and Society (W)  
Fall of every year. Spring of every year. Summer of odd years. 4(4-0) P: (LB 133) or completion of Tier I writing requirement ~~R: Open to students in the Lyman Briggs College or in the Science, Technology, Environment and Public Policy Specialization.~~ R: Open to students in the Lyman Briggs College.  
~~Topics in history, philosophy, and sociology of science, technology, the environment, and medicine.~~ Topics in science and society, technology, the environment, and medicine.  
SA: LBS 330  
~~Effective Spring Semester 2014~~ Effective Fall Semester 2023

- LB 490A      ~~Advanced Directed Study--Multidisciplinary~~  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to students in the Lyman Briggs College.  
~~Directed advanced studies involving at least two Lyman Briggs College curricular areas: biology, chemistry, physics, mathematics, history, philosophy, sociology of science, and computing.~~ Directed advanced studies involving at least two Lyman Briggs College curricular areas: biology, chemistry, physics, mathematics, science and society, and computing.  
SA: LBS 490A  
~~Effective Spring Semester 2014~~ Effective Fall Semester 2023
- LB 490E      ~~Advanced Directed Study--History, Philosophy, Sociology of Science (W)~~  
Advanced Directed Study--Science and Society (W)  
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. P: (LB 133) or completion of Tier I writing requirement R: Open to students in the Lyman Briggs College or in the Science, Technology, Environment and Public Policy Specialization.  
~~Directed advanced studies in history, philosophy, sociology of science, technology, the environment, or medicine.~~ Directed advanced studies in science and society, technology, the environment, or medicine.  
SA: LBS 490E  
~~Effective Spring Semester 2014~~ Effective Fall Semester 2023

### **DEPARTMENT OF MARKETING**

- MKT 805      Marketing Management  
~~Spring of every year.~~ On Demand. 2 to 3 credits. R: Open to master's students in the Master of Business Administration in Business Administration or in the Marketing Research and Analytics major or approval of department.  
Strategic and decision-making aspects of marketing functions. Analysis, coordination, execution of marketing programs. Development of strategies and tactics. Segmentation, marketing mix, market response modeling, and ethics in a global context.  
SA: MSC 805  
~~Effective Fall Semester 2009~~ Effective Spring Semester 2024
- MKT 806      Marketing Research for Decision Making  
~~Spring of every year.~~ On Demand. 1 to 3 credits. P: MBA 820 R: Open to master's students in the Marketing Research major and open to MBA students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department.  
Collection and analysis of marketing research data for marketing decision making. Focuses on marketing research methods for data collection and introductory data analysis.  
SA: MSC 806  
~~Effective Spring Semester 2022~~ Effective Spring Semester 2024
- MKT 816      Marketing Analysis  
~~Spring of every year.~~ On Demand. 1 to 3 credits. P: MKT 806 R: Open to master's students in the Marketing Research major and open to MBA students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department.  
Analysis of marketing data from a variety of sources for decision making. Use of statistical software to analyze marketing data. Scanner data, data mining, and web site metrics and analytics.  
~~Effective Fall Semester 2013~~ Effective Spring Semester 2024

- MKT 819 Predictive Analytics  
~~Fall of every year. Spring of every year. On Demand.~~ 1 to 3 credits. P: MKT 816 RB: Previous coursework in marketing and marketing research. ~~R: Open to students in the Master of Business Administration in Business Administration or in the Marketing Research major or approval of department.~~ R: Open to master's students in the Marketing Research and Analytics major or in the Master of Business Administration in Business Administration or approval of department.  
Advanced quantitative methods for marketing research. Focuses on marketing research for understanding and predicting sales and related marketing variables. Includes multiple regression, logistic regression, time series, and neural network modeling. Emphasis on applications of these techniques using statistical analysis software.  
~~Effective Summer Semester 2019~~ Effective Spring Semester 2024
- MKT 865 Emerging Topics in Business  
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. ~~RB: MBA 830 or MKT 805~~ RB: MKT 805 R: Open to graduate students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department.  
Perspectives on new and emerging issues of business administration. Topics vary.  
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: MSC 865  
~~Effective Summer Semester 2016~~ Effective Spring Semester 2024
- MKT 867 ~~Sampling and Research Design~~  
Survey Design and Sampling  
~~Fall of every year. Spring of every year. On Demand.~~ 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. ~~R: Open to master's students in the Marketing Research major or approval of department.~~ R: Open to master's students in the Marketing Research and Analytics major or approval of department.  
Experimental design, survey/questionnaire design, sampling, and data collection in marketing.  
~~Effective Fall Semester 2017~~ Effective Spring Semester 2024
- MKT 880 Consumer Decision Making and Behavior  
Fall of every year. Spring of every year. Summer of every year. ~~2(2-0)~~ 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department.  
Concepts, theories, and principles from the various behavioral sciences to understand factors influencing the acquisition, consumption, and evaluation of customer experiences and relationships with experience providing organizations.  
~~Effective Summer Semester 2022~~ Effective Spring Semester 2024
- MKT 881 Qualitative Research  
Fall of every year. Spring of every year. Summer of every year. ~~2(2-0)~~ 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. P: MKT 880 R: Approval of department.  
Qualitative research methods for understanding customer and employee needs, desires, and factors inhibiting an organization's ability to deliver.  
~~Effective Summer Semester 2022~~ Effective Spring Semester 2024
- MKT 891 Special Topics in Marketing  
~~Fall of every year. Spring of every year. On Demand.~~ 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. ~~R: Open to graduate students in the Marketing Research major or approval of department.~~ R: Open to master's students in the Marketing Research and Analytics major or approval of department.  
Special topics in marketing.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
~~Effective Spring Semester 2016~~ Effective Spring Semester 2024

MKT 897 Data Analysis, Integration and Visualization  
Fall of every year. Spring of every year. Summer of every year. ~~2(2-0)~~ 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. P: MKT 896 R: Approval of department.  
Centralized analysis, integration and visualization of data for use in customer and employee experience decision making.  
~~Effective Summer Semester 2022~~ Effective Spring Semester 2024

### COLLEGE OF NURSING

NUR 221 Future of Nursing: Explore Potential Career Opportunities and Graduate Education  
Spring of every year. 2(2-0) ~~R: Open to students in the B-BSN1Nursing Major or in the Prenursing Major or approval of college.~~ R: Open to students in the Nursing Major or in the Prenursing Major or approval of college.  
~~Factors student motivation in pursuing advanced degrees in nursing. The course will examine perspectives related to the future of nursing and provide the opportunity for students to explore post-BSN career opportunities and the options for graduate education in nursing. Examine perspectives related to the future of nursing and foster student motivation to explore and pursue post BSN career opportunities and advanced degrees in nursing.~~  
Request the use of the Pass-No Grade (P-N) system.  
~~Effective Spring Semester 2023~~ Effective Spring Semester 2024

NUR 342 ~~Research, Ethics, and Evidence-Based Practice I~~  
Research Ethics and EBP  
Fall of every year. Spring of every year. 3(3-0) P: (STT 200 or STT 201) and ((NUR 323 and NUR 333) and completion of Tier I writing requirement)  
Evidence-based practice and research methodology to inform ethical nursing practice.  
~~Effective Fall Semester 2019~~ Effective Spring Semester 2024

NUR 442 ~~Research, Ethics, and Evidence-Based Practice II~~  
Senior Scholarly Capstone Project  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: (NUR 342 and NUR 434 and NUR 438 and NUR 439) and completion of Tier I writing requirement  
Application of evidence based practice and research methodology to inform ethical nursing practice.  
~~Effective Fall Semester 2019~~ Effective Spring Semester 2024

### DEPARTMENT OF PUBLIC HEALTH (CS MOTT)

~~HM 101~~  
PH 101  
Introduction to Public Health  
Spring of every year. 3(3-0)  
Core public health philosophies and concepts. Health and disease – measures, determinants, health promotion and disease prevention. Introduction to health care delivery systems. Career opportunities in public health.  
~~Effective Fall Semester 2012~~ Effective Spring Semester 2024

~~HM 801~~  
PH 801  
Introduction to Public Health  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) ~~R: Open to students in the Public Health Major or in the Public Health Graduate Certificate.~~ R: Open to students in the Public Health Graduate Certificate or in the Public Health Major.  
Introduction to public health philosophy and core knowledge areas. Ethical, legal and political considerations. Emphasis on principles and tools for population health, disease prevention and health promotion, health determinants, healthcare and public health systems.  
~~Effective Spring Semester 2018~~ Effective Spring Semester 2024

~~HM 802~~  
PH 802

Biostatistics for Public Health  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) RB: College Algebra. Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. R: Open to students in the Public Health Major or in the Public Health Graduate Certificate.  
Practical applications and methods using software (SAS, Epi-Info) for statistical analysis, database construction, data visualization and interpretation  
~~Effective Spring Semester 2018~~ Effective Spring Semester 2024

~~HM 803~~  
PH 803

Epidemiology and Public Health  
Fall of every year. 3(3-0) RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. ~~R: Open to master's students in the Public Health major or in the Public Health Specialization.~~ R: Open to master's students in the Public Health Major. Not open to students with credit in EPI 810.  
Distributions and determinants of disease in population. Epidemiologic research, quantitative methods, study designs pros/cons.  
~~Effective Fall Semester 2023~~ Effective Spring Semester 2024

~~HM 804~~  
PH 804

Public Health Policy and Administration  
Spring of every year. 3(3-0) RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. R: Open to master's students in the Public Health Major.  
Structural, operational, leadership and components of health policy and public health administration. Community health assessment, advocacy and evaluation within public health agencies and programs. Major business systems used for administration of public health agencies and programs.  
~~Effective Summer Semester 2018~~ Effective Spring Semester 2024

~~HM 805~~  
PH 805

Social and Behavioral Aspects of Public Health  
Spring of every year. 3(3-0) RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. ~~R: Open to master's students in the Public Health major or in the Public Health Specialization.~~ R: Open to master's students in the Public Health Major.  
Concepts and methods of social and behavioral sciences applied to public health problems and issues.  
~~Effective Spring Semester 2009~~ Effective Spring Semester 2024

~~HM 806~~  
PH 806

Environmental Factors of Health  
Spring of every year. 3(3-0) RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. ~~R: Open to master's students in the Public Health major or in the Public Health Specialization.~~ R: Open to master's students in the Public Health Major.  
Biological, physical and chemical factors that affect health of populations. Regulatory approaches to environmental hazards. Potential impact of environmental agents on health and preventive management approaches.  
~~Effective Spring Semester 2009~~ Effective Spring Semester 2024

~~HM 807~~  
PH 807

Practical Application and Critical Thinking in Public Health  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline R: Open to students in the Public Health Major or approval of college.  
Critical thinking, reading skills, explanations, problem solving, and decision making in public health using case studies. Questioning assumptions, identifying bias, determining causality, and application of the scientific method. Reporting guidelines and systematic literature reviews.  
~~Effective Summer Semester 2019~~ Effective Spring Semester 2024

~~HM 808~~  
PH 808

Public Health Surveillance

Summer of odd years. 3(3-0) RB: Academic or professional background in public health, epidemiology and/or public health related discipline. R: Open to students in the Public Health Major or approval of college.

Introduction, history, and design of national, state and local public health surveillance systems for communicable diseases, chronic diseases, birth defects, injury, and disasters. Use of surveillance data sources.

~~Effective Summer Semester 2013~~ Effective Spring Semester 2024

~~HM 826~~  
PH 825

Transition to Graduate Academic Writing

Fall of every year. Spring of every year. Summer of every year. 1(1-0) RB: completion of Tier 2 writing assignment or undergraduate degree R: Open to students in the Public Health Major and open to juniors or seniors or graduate students or approval of college.

Identify and analyze scholarly articles and published research studies to develop effective writing skills within the genre of academic writing and scholarship.

Request the use of the Pass-No Grade (P-N) system.

~~Effective Spring Semester 2021~~ Effective Spring Semester 2024

~~HM 827~~  
PH 827

Principles of Public Health Leadership

Fall of every year. Spring of every year. Summer of every year. 1(1-0) RB: Academic or professional background in public health and/or public health related discipline R: Open to students in the Public Health Major or approval of college.

Context, competencies and core leadership skills. Theories and research in public health and related organizations. Best practices, leadership styles, professional identity. Future leadership challenges.

~~Effective Summer Semester 2018~~ Effective Spring Semester 2024

~~HM 828~~  
PH 828

Community Engagement in Public Health Practice

Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to graduate students in the Public Health Major.

Methods, ethics, and issues in community engaged practice and scholarship.

~~Effective Fall Semester 2018~~ Effective Spring Semester 2024

~~HM 831~~  
PH 831

Communicable Disease in Public Health

Fall of even years. 3(3-0) ~~P: HM 801 and HM 803~~ P: PH 801 and PH 803 RB: Academic or professional background in public health or public health related discipline. Undergraduate level math or statistics course work. R: Open to students in the Public Health Major or approval of college.

Fundamentals of communicable disease transmission. Overview of methods for prevention and control of communicable disease. Agents and organisms of public health significance.

~~Effective Fall Semester 2009~~ Effective Spring Semester 2024

~~HM 832~~  
PH 832

Global Public Health

Spring of even years. 3(3-0) RB: Academic or professional background in public health or public health related discipline. Undergraduate level math or statistics course work. R: Open to students in the Public Health Major or approval of college.

Factors and dynamics that affect global public health. Application of public health principles and policies in international settings. Key international stakeholders and their roles in global public health.

~~Effective Fall Semester 2010~~ Effective Spring Semester 2024

~~HM 833~~  
PH 833

Introduction to Pharmaceutical Counterfeiting and Public Health  
Fall of odd years. 3(3-0) ~~P: HM 801~~ P: PH 801 RB: Academic or professional background in public health or public health related discipline. R: Open to students in the Public Health Major or approval of college.

General principles of counterfeiting, counterfeit pharmaceuticals, and how it affects public health. Scope, policy, supply chain management, and health effects are examined using current case examples.

~~Effective Fall Semester 2009~~ Effective Spring Semester 2024

~~HM 835~~  
PH 835

Independent Study in Public Health  
Fall of every year. Spring of every year. Summer of every year. 1 to 9 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to students in the Public Health Major or approval of college.

Independent study in areas relevant to public health.

~~Effective Fall Semester 2009~~ Effective Spring Semester 2024

~~HM 836~~  
PH 836

Comparative Global Healthcare Systems  
Spring of every year. 3(3-0) RB: Undergraduate degree in science or applied science with experience in a healthcare clinical setting. R: Open to students in the Public Health Major or approval of college.

Public health and culture, environment, psychosocial and economic issues. Healthcare systems and health policies. Community health assessments.

~~Effective Spring Semester 2010~~ Effective Spring Semester 2024

~~HM 837~~  
PH 837

Poverty and Public Health  
Fall of even years. 3(3-0) ~~P: HM 801~~ P: PH 801 RB: Academic or professional background in public health or public health related discipline. Undergraduate level math or statistics course work. R: Open to students in the Public Health Major or approval of college.

Concepts of health and poverty and their interrelatedness from a global and public health perspective. Roles of international agencies, national policy, gender, socioeconomic status, race, ethnicity, culture, access to resources, and conflict. Role of public health programs in the achievement and maintenance of healthy populations. Struggle to eliminate poverty.

~~Effective Fall Semester 2009~~ Effective Spring Semester 2024

~~HM 838~~  
PH 838

Cultural Aspects of Public Health Practice  
Fall of every year. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline, undergraduate level math or statistics coursework R: Open to students in the Public Health Major or approval of college.

Cultural concepts that shape health and illness. Major issues and trends in global health. Cultural and socioeconomic factors related to work with diverse populations. Applications for public health practice.

~~Effective Fall Semester 2010~~ Effective Spring Semester 2024

~~HM 840~~  
PH 840

Public Health Finance  
Spring of odd years. 3(3-0) RB: Academic or professional background in public health or public health related discipline, experience with databases. R: Open to students in the Public Health Major or approval of college.

Issues surrounding financial administration of health service organizations. Pragmatic side of healthcare finance, incorporating healthcare economics.

~~Effective Fall Semester 2014~~ Effective Spring Semester 2024

~~HM 841~~  
~~PH 841~~

Public Health Policy  
Fall of every year. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline ~~R: Open to students in the Public Health major or in the Public Health Specialization or approval of college.~~ R: Open to students in the Public Health Major or approval of college.  
U.S. healthcare delivery and financing systems and their contributions to improving health status.  
~~Effective Fall Semester 2010~~ Effective Spring Semester 2024

~~HM 842~~  
~~PH 842~~

Introduction to Public Health Informatics  
Fall of even years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline, experience with databases R: Open to students in the Public Health Major or approval of college.  
Survey of information technology applications in the public health domain, functions and tools used to generate public health knowledge. Disease surveillance platforms and web-based public health education, ethical and legal issues surrounding data exchange.  
~~Effective Fall Semester 2010~~ Effective Spring Semester 2024

~~HM 845~~  
~~PH 845~~

Informatics and Information Technology  
Spring of odd years. 3(3-0) ~~P: HM 842 and HM 843~~ P: PH 842 RB: Academic or professional background in public health and/or public health related discipline, experience with databases R: Open to students in the Public Health Major or approval of college.  
Information technology for health informatics systems, principles of relational database systems, operations, information systems, data sets, data standards and classification systems.  
~~Effective Spring Semester 2023~~ Effective Spring Semester 2024

~~HM 847~~  
~~PH 847~~

Public Health in Ghana: A One Health Perspective  
Summer of every year. Abroad, Abroad, Abroad 5(5-0) Interdepartmental with Osteopathic Medicine. RB: Academic or professional background in public health and/or public health related discipline; undergraduate level health-related discipline R: Approval of college; application required.  
Major public health issues in Ghana from a One Health perspective; interface between Western and traditional health care beliefs and practices in Ghana; community engagement experience employing participatory research methods with emphasis on social justice and ethical conduct of research.  
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 Semester 2024~~ Effective Summer Semester 2024

~~HM 852~~  
~~PH 852~~

Outbreak Investigations in Public Health  
Spring of odd years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline, experience with databases R: Open to students in the Public Health Major or approval of college.  
Process for conducting public health outbreak investigations including the role of local, state, federal and international agencies. Legal, political, media and law enforcement issues.  
~~Effective Spring Semester 2014~~ Effective Spring Semester 2024

~~HM 853~~  
~~PH 853~~

Public Health Program/Intervention Evaluation  
Fall of even years. 3(3-0) ~~P: HM 801~~ P: PH 801 RB: Academic or professional background in public health and/or public health related discipline R: Open to graduate students in the Public Health Major or approval of college.  
Introduce public health program evaluation methods/tools. Causal inference criteria, standard evaluation guides, procedural and outcome evaluation methods and needs assessment and performance monitoring methods. Integrates epidemiology, biostatistics and public health knowledge pertaining to program evaluation.  
~~Effective Fall Semester 2010~~ Effective Spring Semester 2024

~~HM 854~~  
~~PH 854~~

Health Equity Framework For Public Health Practice  
Spring of odd years. 3(3-0) RB: Academic or professional background in Public Health and or public health related discipline ~~R: Open to students in the Public Health major or in the Public Health Specialization or approval of college.~~ R: Open to students in the Public Health Major or approval of college.

Social justice and health equity framework for the practice of public health with analysis of persistent health disparity across race, class, gender, and other forms of difference.  
~~Effective Spring Semester 2014~~ Effective Spring Semester 2024

~~HM 861~~  
~~PH 861~~

Introduction to Public Health Nutrition  
Spring of odd years. 3(3-0) RB: Academic or professional background in public health or public health related discipline, experience with databases R: Open to students in the Public Health Major or approval of college.

Biological principles of nutrition and physical activity with public health focus. Nutritional issues in specific populations. Introduction to malnutrition, current issues in nutrition, role of nutrition in chronic diseases, and nutrition policy and intervention programs.  
~~Effective Fall Semester 2014~~ Effective Spring Semester 2024

~~HM 862~~  
~~PH 862~~

Global Pandemics and Public Health Systems, Law, and Community Impacts  
Fall of every year. Spring of every year. 3(3-0) R: Open to students in the Public Health Major and open to juniors or seniors or graduate students or approval of college.

Public health systems and response to pandemics including public health law and ethics, disease transmission, testing and treatment, and social and community context.  
~~Effective Spring Semester 2024~~ Effective Spring Semester 2024

~~HM 863~~  
~~PH 863~~

Parasitic Diseases and Public Health in Developing Countries  
Spring of even years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline, knowledge of parasitology R: Open to students in the Public Health Major or approval of college.

Nature, impact and control of parasitic diseases in developing countries.  
~~Effective Spring Semester 2012~~ Effective Spring Semester 2024

~~HM 864~~  
~~PH 864~~

Intersections of Human and Animal Health  
Summer of odd years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline, experience with databases R: Open to graduate students in the Public Health Major or approval of college.

Epidemiology and preventive medicine disease control methods for the control of infectious diseases and environmental health issues shared by animals and people.  
~~Effective Summer Semester 2014~~ Effective Spring Semester 2024

~~HM 865~~  
~~PH 865~~

Vitamins and Minerals: Risks to Public Health  
Spring of even years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline R: Open to students in the Public Health Major or approval of college.

Introduction to public health issues in vitamin and mineral nutrition, including biological roles, human requirements, and consequences of deficiency and excesses. Current issues regarding specific micronutrient status in U.S. and worldwide. Current and proposed population-based interventions.  
~~Effective Spring Semester 2012~~ Effective Spring Semester 2024

~~HM 868~~  
PH 868

Integrated Research Study Design and Informatics  
Fall of odd years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline, nursing or allied health R: Open to students in the Public Health Major or approval of college.

Introduction to clinical trial phases, research design, informatics aims, informatics platforms and datum lifecycle.

~~Effective Fall Semester 2014~~ Effective Summer Semester 2024

~~HM 871~~  
PH 871

Vaccine Preventable Diseases of Public Health Importance  
Spring of even years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline R: Open to students in the Public Health Major or approval of college.

Vaccine-preventable diseases of importance to the public health and the global community. Basic epidemiology, surveillance, vaccine updates, status of the vaccination programs, associated cost, benefits, and related public health policies. Current controversies associated with national and international disease control, elimination, and eradication campaigns.

~~Effective Spring Semester 2012~~ Effective Spring Semester 2024

~~HM 873~~  
PH 873

Maternal and Child Health: A Global Public Health Perspective  
Spring of even years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline R: Open to students in the Public Health Major or approval of college.

Introduction to historical and cultural foundations of maternal and child global public health. Health care needs, health determinants and disparities, programs, policies and public health issues affecting women and children.

~~Effective Spring Semester 2012~~ Effective Spring Semester 2024

~~HM 876~~  
PH 876

Nutrition and Chronic Diseases: Living Longer and Healthier  
Summer of even years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline R: Open to students in the Public Health Major or approval of college.

Role of nutrition and physical activity in chronic diseases with emphasis on macronutrients. Relationship between obesity and health and socioeconomic disparities in the United States and current policies. Overview of nutrition transition and impact on developing nations.

~~Effective Summer Semester 2012~~ Effective Spring Semester 2024

~~HM 877~~  
PH 877

Public Health Nutrition and the Life Stages  
Fall of even years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline R: Open to students in the Public Health Major or approval of college.

Effect of nutrition on growth and development. Role of public health interventions throughout life. Emphasis on at-risk populations in the United States and worldwide. Survey of current programs addressing specific public health nutrition concerns.

~~Effective Fall Semester 2012~~ Effective Spring Semester 2024

~~HM 878~~  
PH 878

Applied Biostatistics for Public Health Practitioners  
Fall of even years. Spring of every year. 3(3-0) ~~P: HM 802~~ P: PH 802 RB: Academic or professional background in public health and/or public health related discipline R: Open to students in the Public Health Major or in the Public Health Graduate Certificate.

Intermediate techniques and applications of multivariable logistic and linear regression in public health. Interpretation of statistical models.

~~Effective Spring Semester 2018~~ Effective Spring Semester 2024

~~HM 880~~  
PH 880

Study Design and Research Methods for Public Health Practice  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) ~~P: HM 802 and HM 803~~ P: PH 802 and PH 803 RB: Academic or professional background in public health and/or public health related discipline, experience with databases R: Open to students in the Public Health Major or approval of college. Not open to students with credit in VM 830.  
Examination of empirical and logical basis of public health research. Identification of research questions, study design, data collection and qualitative and quantitative approaches. Reporting of findings. Proposal writing. Ethical considerations in research.  
~~Effective Summer Semester 2019~~ Effective Spring Semester 2024

~~HM 881~~  
PH 881

Pathogenesis of Parasitic Infections Important to Public Health  
Summer of every year. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline R: Open to students in the Public Health Major or approval of college.  
Specific causes and progression of major parasitic diseases important to global public health; diverse aspects of the host's responses to the invasion by these organisms; protective and pathogenic immune responses; development of clinical disease; role of chemotherapy development of clinical disease; effects of chemotherapeutic agents; epidemiological discussion of the importance of quantification of the pathology and clinical disease seen in populations.  
~~Effective Summer Semester 2012~~ Effective Spring Semester 2024

~~HM 882~~  
PH 882

Public Health Nutrition: Assessment and Development of Population-Based Interventions  
Fall of even years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline R: Open to students in the Public Health Major or approval of college.  
Assessment of nutritional and physical activity on a population level. Identification of at-risk populations. Collection, interpretation and application of data for developing interventions and evaluating behavior change and health outcomes. Role of public health and national nutrition institutions.  
~~Effective Fall Semester 2012~~ Effective Spring Semester 2024

~~HM 889~~  
PH 889

Applied Epidemiologic Methods for Public Health Practitioners  
Fall of even years. 3(3-0) Interdepartmental with Epidemiology. ~~P: HM 802 and HM 803~~ P: PH 802 and PH 803 RB: Academic or professional background in public health and/or public health related discipline R: Open to students in the Public Health Major or approval of college.  
Identification and conceptualization of public health problems. Generation of testable hypotheses and appropriate data sets. Interpretation of appropriate measures of associations. Evaluation of validity and generalizability of results and ethical issues surrounding the use of humans in epidemiological research. Real case studies are used to analyze study design including the role of chance, bias, misclassification, effect measure modification, interaction, and missing data.  
~~Effective Fall Semester 2012~~ Effective Spring Semester 2024

~~HM 891~~  
PH 891

Introduction to Public Health Practicum  
Fall of every year. Spring of every year. Summer of every year. 1(1-0) ~~P: HM 801~~ P: PH 801 RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. R: Approval of college.  
Preparatory work for practicum placement. Special projects arranged by an individual student and faculty member in areas supporting practicum placement.  
Request the use of the Pass-No Grade (P-N) system.  
~~Effective Fall Semester 2012~~ Effective Spring Semester 2024

~~HM 802~~  
PH 892

Public Health Applied Practice Experience  
Fall of every year. Spring of every year. Summer of every year. 1 to 8 credits. A student may earn a maximum of 8 credits in all enrollments for this course. ~~P: HM 801 and HM 804~~ P: PH 801 and PH 891 RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. R: Approval of college.  
Professional practicum.  
Request the use of the Pass-No Grade (P-N) system.  
~~Effective Summer Semester 2020~~ Effective Spring Semester 2024

~~HM 803~~  
PH 893

Public Health Integrative Learning Experience  
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. ~~P: HM 801 and HM 804 and HM 802~~ P: PH 801 and PH 891 and PH 892 RB: Academic or professional background in public health and/or public health related discipline, undergraduate level math or statistics coursework R: Approval of college.  
Capstone experience.  
~~Effective Summer Semester 2019~~ Effective Spring Semester 2024

**PROGRAM IN WOMEN, GENDER AND SOCIAL JUSTICE**

WS 304

Lesbian, Gay, Bisexual, Transgender, Queer (LGBTQ) and Sexuality Studies  
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Lyman Briggs and Residential College in the Arts and Humanities. R: Not open to freshmen.  
~~Interdisciplinary study of the history, politics, theories, science, cultures, and communities of lesbian, gay, transgender, queer, and intersex people including a global perspective.~~  
Global interdisciplinary study of the history, politics, theories, science, cultures, and communities of lesbian, gay, transgender, queer, and intersex people.  
~~SA: WS 204~~  
~~Effective Summer Semester 2014~~ Effective Fall Semester 2023