

Campus Curricula Committee Meeting Agenda

August 12th, 2025

8:15am - 9:30am, Parker Hall 203

(For Faculty Senate Meeting of September 18th, 2025)

Review of submitted Course Change forms:

File: 10305 ART 1790 : Introduction to Glassmaking
File: 5023 BME 5100 : Drug and Gene Delivery Systems
File: 5024 BME 5200 : Materials as Hard Tissue Devices
File: 5025 BME 5300 : Vaccine Manufacturing
File: 5043 BME 6400 : Biomanufacturing
File: 5044 BME 6500 : Pharmaceutical Process Engineering
File: 1817 CHEM 1319 : General Chemistry Laboratory
File: 10311 CHEM ENG 5390 : Energy Engineering
File: 6363 ENGLISH 2241 : Young Adult Literature
File: 10327 KC 5001 : Special Topics
File: 1128 MIN ENG 4097 : Capstone Design Project
File: 1257 MIN ENG 5113 : Mine Atmosphere Control
File: 1599 MIN ENG 5742 : Sustainability in Mining
File: 10326 MIN ENG 6141 : Computational Fluid Dynamics for Particulate and Fire Simulations
File: 4317 MIN ENG 6712 : Managing Social and Environmental Risks in Mining
File: 2176 MIN ENG 6735 : Sustainability Assessment In Mining
File: 9020 MIN ENG 6922 : Optimization Applications In Mining
File: 1374 PSYCH 4310 : Psychology Of The Exceptional Child
File: 905 SP&M S 3255 : Discussion And Conference Methods
File: 10038 STAT 3113 : Applied Engineering Statistics
File: 10313 TCH COM 3591 : Writing for the Games Industry
File: 10315 TCH COM 3592 : Critical Game Analysis
File: 10317 TCH COM 3593 : Creating Narrative Games, Interactive Fiction, and Simulations
File: 10321 TCH COM 3640 : Video Design and Editing
File: 10323 TCH COM 5630 : Persuasive AI
File: 10322 TCH COM 5640 : Advanced Video Design and Editing

Review of submitted Program Change forms:

File: 259 GAME-MI : Game Studies Minor
File: 347 GEOPHY-CT : Geophysics Graduate CT

Review of submitted Experimental Course forms:

File: 526 AERO ENG 5001.018: Numerical Optimization in Dynamic Systems and Control
File: 531 BIO SCI 5001.029: Fish Biology
File: 529 BIO SCI 6001.022: Drugs We Use and Abuse

File: 530	BIO SCI 6001.023: Analysis, Interpretation, and Presentation of Biological Data
File: 527	ENG MGT 5001.002: Team Innovation Projects
File: 523	HISTORY 4001.048: Leadership in History
File: 524	HISTORY 4001.049: France and the Second World War
File: 521	MECH ENG 5001.45: Biomanufacturing and Biofabrication for Mechanical Engineers
File: 525	MIN ENG 6001.036: Advanced Mining Economics and Risks Management
File: 520	PHYSICS 5001.005: Quantum Science and Technology
File: 528	PHYSICS 5001.006: Introduction to superconductivity
File: 522	PHYSICS 6001.009: Quantum Field Theory
File: 519	PSYCH 5001.005: Workplace Psychology for Business Leaders

New Business:

Selection of CCC Chair

Vote on 2025-2026 CCC Calendar

Course Change Request

New Course Proposal

Date Submitted: 04/29/25 2:40 pm

Viewing: **ART 1790 : Introduction to Glassmaking**

Last edit: 04/30/25 8:48 am

Changes proposed by: Christina Harrison (cht3m)

In Workflow

- 1. RPHILOSO Chair
- 2. CCC Secretary
- 3. Arts & Humanities DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate Chair
- 9. Registrar
- 10. CAT entry
- 11. Peoplesoft

Approval Path

- 1. 04/29/25 2:52 pm
Irina Ivliyeva (ivliyeva): Approved for RPHILOSO Chair
- 2. 04/30/25 8:48 am
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 04/30/25 8:55 am
Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
- 4. 07/25/25 12:10 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Requested Effective Date	Spring 2026
Department	Arts, Languages & Philosophy (RPHILOSO)
Discipline	Art (ART)
Course Number	1790
Title	Introduction to Glassmaking
Abbreviated Course Title	Intro to Glassmaking
Co-Listed Course	

Catalog Description

This studio course introduces fundamental skills in glassmaking. Students will utilize a wide range of traditional and unconventional techniques to answer essential questions. This course will cover the historical and contemporary contexts of glass while demonstrating techniques in furnace-working and cold-working. Students will engage in weekly practice sessions in the furnace in order to complete their assignments.

Prerequisite(s):

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total:	3
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Required for Majors	No
Elective for Majors	Yes
Communication Intensive	No
Communication Emphasized	No
Grading Basis	Graded
Repeatable	No

Justification	Promote a cross-disciplinary interaction between students of CASE (ALP) and CEC (Material Science and Engineering) through material experience and manipulation while expanding creativity and adaptability from access to a specialized medium. Make Missouri S&T's glass studio more accessible to a broader range of students. The class was successfully offered first time in Fall 2024 (enrollment -10) and the second time in Spring 2025 (enrollment - 14). Fall 2025 course has 15 enrolled with 5 wait-listed. In sum, the course is in demand and is gaining momentum. After the permanent number is given, we will insert this course into the ART Studio Minor.
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Semesters Previously Offered

Term(s) Offered as experimental
Previous Course Code
Is this a MOTR Course?

Reviewer Comments	Jade McCain (jm558v) (04/30/25 8:36 am): Added grading basis and corrected prerequisite format. Jade McCain (jm558v) (04/30/25 8:48 am): The course has been offered successfully twice as an EC, in Fall 2024 with 10 students enrolled and in Spring 2025 with 14 students enrolled.
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Course Change Request

Date Submitted: 05/05/25 4:51 pm

Viewing: **BME 5100 : Drug and Gene Delivery Systems**

Also listed as: **CHEM ENG 5260**

Last approved: 05/17/24 6:01 am

Last edit: 05/08/25 10:07 am

Changes proposed by: Jee C. Wang (jcwang)

Programs	BME 5100:
referencing this	<u>BIOMED-BS: Biomedical Engineering BS</u>
course	<u>BIOENG-PHD: Bioengineering PhD</u>

Requested Effective Date	Spring 2026	
Department	Chemical and Biochemical Engineering (RCHEMENG)	
Discipline	Biomedical Engineering (BME)	
Course Number	5100	
Title	Drug and Gene Delivery Systems	
Abbreviated Course Title	Drug and Gene Delivery	
Co-Listed Course	<u>CHEM ENG 5260</u>	Department <u>Chemical and Biochemical Engineering</u> <u>(RCHEMENG)</u>

Catalog Description
Overview of drug and gene delivery systems, rational design for their applications with an emphasis on structure-property-function relationships. Three major parts: polymers and nanoparticles as drug and gene carriers; strategies to deliver drugs and genes; in vitro and in vivo techniques of assessment and validation.
Prerequisite(s): Chem 2210 and Bio Sci 2213.
Corequisite(s):

In Workflow
1. RCHEMENG Chair
2. CCC Secretary
3. Engineering DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path
1. 05/05/25 6:02 pm Hu Yang (huyang): Approved for RCHEMENG Chair
2. 05/08/25 10:08 am Jade McCain (jm558v): Approved for CCC Secretary
3. 06/02/25 1:18 pm Kelly Liu (liukh): Approved for Engineering DSCC Chair
4. 07/25/25 12:10 pm Jade McCain (jm558v): Approved for Pending CCC Agenda post

History
1. May 17, 2024 by Christi Luks (luksc)

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication No
Intensive

Communication No
Emphasized

Grading Basis Graded

Repeatable No

Justification BME 5100 is a new course offered by the Department of Chemical and Biochemical Engineering. It teaches important and up-to-date technical skills that are beneficial to the students' engineering education and future careers. By co-listing it as Chem. Eng. 5260, the chemical engineering graduate and undergraduate students can take it directly to automatically fulfill their degree requirements without having to rely on substitution forms.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (05/08/25 10:07 am):** Selected "no" for communication intensive and
Comments communication emphasized.

Key: 5023

[Preview Bridge](#)

Course Change Request

Date Submitted: 05/05/25 4:56 pm

Viewing: **BME 5200 : Materials as Hard Tissue Devices**

Also listed as: **CHEM ENG 5270**

Last approved: 05/17/24 6:01 am

Last edit: 05/08/25 10:11 am

Changes proposed by: Jee C. Wang (jcwang)

In Workflow

- 1. **RCHEMENG Chair**
- 2. **CCC Secretary**
- 3. **Engineering DSCC Chair**
- 4. **Pending CCC Agenda post**
- 5. **CCC Meeting Agenda**
- 6. Campus Curricula Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate Chair
- 9. Registrar
- 10. CAT entry
- 11. Peoplesoft

Approval Path

- 1. 05/05/25 6:02 pm
Hu Yang (huyang):
Approved for
RCHEMENG Chair
- 2. 05/08/25 10:11 am
Jade McCain
(jm558v): Approved
for CCC Secretary
- 3. 06/02/25 1:17 pm
Kelly Liu (liukh):
Approved for
Engineering DSCC
Chair
- 4. 07/25/25 12:11 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

History

- 1. May 17, 2024 by
Christi Luks (luksc)

Programs
referencing this
course

BME 5200:
BIOMED-BS: Biomedical Engineering BS

Requested Effective Date	Spring 2026		
Department	Chemical and Biochemical Engineering (RCHEMENG)		
Discipline	Biomedical Engineering (BME)		
Course Number	5200		
Title	Materials as Hard Tissue Devices		
Abbreviated Course Title	Hard Tissue Devices		
Co-Listed Course	<u>CHEM ENG 5270</u>	Department	<u>Chemical and Biochemical Engineering (RCHEMENG)</u>

Catalog Description

The structure-property relationships of materials employed as medical devices, as well as the bone, cartilage, and ligament that they are designed to replace. The behavior of materials in the physiological environment, the tailoring of that behavior as a response to both bulk and surface properties, and the future of hard tissue medical devices.

Prerequisite(s):
BME 4100 or MS&E 5210.

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication No
Intensive

Communication No
Emphasized

Grading Basis Graded

Repeatable No

Justification BME 5200 is a new course offered by the Department of Chemical and Biochemical Engineering. It teaches important and up-to-date technical skills that are beneficial to the students' engineering education and future careers. By co-listing it as Chem. Eng. 5270, the chemical engineering graduate and undergraduate students can take it directly to fulfill their degree requirements without having to rely on substitution forms.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (05/08/25 10:11 am):** Selected "no" for communication intensive and
Comments communication emphasized

Key: 5024

[Preview Bridge](#)

Course Change Request

Date Submitted: 05/06/25 5:16 pm

Viewing: **BME 5300 : Vaccine Manufacturing**

Also listed as: **CHEM ENG 5280**

Last approved: 05/20/24 6:01 am

Last edit: 05/08/25 10:23 am

Changes proposed by: Jee C. Wang (jcwang)

Programs
referencing this
course

BME 5300:
BIOMED-BS: Biomedical Engineering BS

Requested Effective Date	Spring 2026		
Department	Chemical and Biochemical Engineering (RCHEMENG)		
Discipline	Biomedical Engineering (BME)		
Course Number	5300		
Title	Vaccine Manufacturing		
Abbreviated Course Title	Vaccine Manufacturing		
Co-Listed Course	<u>CHEM ENG 5280</u>	Department	<u>Chemical and Biochemical Engineering (RCHEMENG)</u>

Catalog Description

The development, manufacturing, and approval process of vaccines are covered. Vaccines that use attenuated or inactivated viruses, viral components and mRNA as the active ingredient are discussed. The manufacturing process includes the making of the active ingredient, vaccine formulation and delivery. The class includes three remote lab experiments.

Prerequisite(s):
Senior standing in an engineering discipline, physics, chemistry, or biology.

Corequisite(s):

In Workflow

1. RCHEMENG Chair

2. CCC Secretary

3. Engineering DSCC Chair

4. Pending CCC Agenda post

5. CCC Meeting Agenda

6. Campus Curricula Committee Chair

7. FS Meeting Agenda

8. Faculty Senate Chair

9. Registrar

10. CAT entry

11. Peoplesoft

Approval Path

1. 05/06/25 8:58 pm
Hu Yang (huyang):
Approved for
RCHEMENG Chair

2. 05/08/25 10:23 am
Jade McCain (jm558v): Approved
for CCC Secretary

3. 06/02/25 1:17 pm
Kelly Liu (liukh):
Approved for
Engineering DSCC
Chair

4. 07/25/25 12:11 pm
Jade McCain (jm558v): Approved
for Pending CCC
Agenda post

History

1. May 20, 2024 by
Christi Luks (luksc)

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication No
Intensive

Communication No
Emphasized

Grading Basis Graded

Repeatable No

Justification BME 5300 is a new course offered by the Department of Chemical and Biochemical Engineering. It teaches important and up-to-date technical skills related to vaccine manufacturing that are beneficial to chemical engineering students' education and future careers. By co-listing it as Chem. Eng. 5280, the chemical engineering graduate and undergraduate students can take it directly to automatically fulfill their degree requirements without having to rely on substitution forms.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (05/08/25 10:23 am):** Selected "no" for communication intensive and
Comments communication emphasized

Key: 5025

[Preview Bridge](#)

Course Change Request

Date Submitted: 05/05/25 5:02 pm

Viewing: **BME 6400 : Biomanufacturing**

Also listed as: **CHEM ENG 6400**

Last approved: 03/25/24 6:02 am

Last edit: 06/17/25 10:06 am

Changes proposed by: Jee C. Wang (jcwang)

Programs
referencing this
course

BME 6400:
BIOENG-PHD: Bioengineering PhD

Requested Effective Date	Spring 2026	
Department	Chemical and Biochemical Engineering (RCHEMENG)	
Discipline	Biomedical Engineering (BME)	
Course Number	6400	
Title	Biomanufacturing	
Abbreviated Course Title	Biomanufacturing	
Co-Listed Course	<u>CHEM ENG 6400</u>	Department <u>Chemical and Biochemical Engineering (RCHEMENG)</u>

Catalog Description

The development, production, recovery, and analysis of biorelated products. Specific topics include biomaterial synthesis and characterization, cell culture, bioreactor design and operation, production and purification process development, and regulatory expectations.

Prerequisite(s):
Graduate standing, ~~graduate standing~~

Corequisite(s):

Credit Hours

In Workflow

1. RCHEMENG Chair

2. CCC Secretary

3. Engineering DSCC Chair

4. Pending CCC Agenda post

5. CCC Meeting Agenda

6. Campus Curricula Committee Chair

7. FS Meeting Agenda

8. Faculty Senate Chair

9. Registrar

10. CAT entry

11. Peoplesoft

Approval Path

1. 05/05/25 6:02 pm
Hu Yang (huyang):
Approved for
RCHEMENG Chair

2. 05/08/25 10:24 am
Jade McCain
(jm558v): Approved
for CCC Secretary

3. 06/02/25 1:18 pm
Kelly Liu (liukh):
Approved for
Engineering DSCC
Chair

4. 07/25/25 12:11 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

History

1. Mar 25, 2024 by Jee C. Wang (jcwang)

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors No

Communication Intensive No

Communication Emphasized No

Grading Basis Graded

Repeatable No

Justification BME 6400 is a new course offered by the Department of Chemical and Biochemical Engineering. It teaches important and up-to-date technical skills that are beneficial to the graduate students' engineering education and future careers. By co-listing it as Chem. Eng. 6400, the students can take it directly to fulfill their graduate degree requirements without having to rely on graduate forms.

Semesters Previously Offered

Term(s) Offered as experimental

Is this a MOTR Course?

Reviewer Comments **Jade McCain (jm558v) (05/08/25 10:24 am):** Selected "no" for communication intensive and communication emphasized

Jade McCain (jm558v) (06/17/25 10:06 am): Added punctuation to prerequisite section.

Key: 5043

[Preview Bridge](#)

Course Change Request

Date Submitted: 05/05/25 5:03 pm

Viewing: **BME 6500 : Pharmaceutical Process Engineering**

Also listed as: **CHEM ENG 6500**

Last approved: 03/25/24 6:02 am

Last edit: 06/17/25 10:12 am

Changes proposed by: Jee C. Wang (jcwang)

Programs
referencing this
course

BME 6500:
BIOENG-PHD: Bioengineering PhD

Requested Effective Date	Spring 2026	
Department	Chemical and Biochemical Engineering (RCHEMENG)	
Discipline	Biomedical Engineering (BME)	
Course Number	6500	
Title	Pharmaceutical Process Engineering	
Abbreviated Course Title	Pharm Process Eng	
Co-Listed Course	<u>CHEM ENG 6500</u>	Department <u>Chemical and Biochemical Engineering (RCHEMENG)</u>

Catalog Description

The manufacture, extraction, processing, purification, formulation/filling, and packaging of pharmaceutical materials to be used as medications for humans or animals. The major manufactured products and their principal manufacturing steps will be covered. The principles of engineering operations and scale-up process in pharmaceutical industry will be discussed together with quality control, pollution prevention, and Good Manufacturing Practices (GMP).

Prerequisite(s):

Chem Eng 5250.

Corequisite(s):

In Workflow

1. **RCHEMENG Chair**
2. **CCC Secretary**
3. **Engineering DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 05/05/25 6:03 pm
Hu Yang (huyang):
Approved for
RCHEMENG Chair
2. 05/08/25 10:25 am
Jade McCain
(jm558v): Approved
for CCC Secretary
3. 06/02/25 1:18 pm
Kelly Liu (liukh):
Approved for
Engineering DSCC
Chair
4. 07/25/25 12:11 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

History

1. Mar 25, 2024 by Jee
C. Wang (jcwang)

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors No

Communication No
Intensive

Communication No
Emphasized

Grading Basis Graded

Repeatable No

Justification BME 6500 is a new course offered by the Department of Chemical and Biochemical Engineering. It teaches important and up-to-date technical skills that are beneficial to the graduate students' engineering education and future careers. By co-listing it as Chem. Eng. 6500, the students can take it directly to fulfill their graduate degree requirements without having to rely on graduate forms.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (06/17/25 10:12 am):** Selected "no" for Communication Emphasized
Comments and Communication Intensive.

Course Change Request

Date Submitted: 07/05/25 4:02 pm

Viewing: **CHEM 1319 : General Chemistry Laboratory**

Last approved: 09/11/24 6:03 am

Last edit: 07/22/25 12:21 pm

Changes proposed by: Chariklia Sotiriou-Leventis (cslevent)

Programs
referencing this
course

[NU ENG-BS: Nuclear Engineering BS](#)
[PE ENG-BS: Petroleum Engineering BS](#)
[PHYSIC-BS: Physics BS](#)
[PRE-MED-MI: Pre-Medicine Minor](#)
[AE ENG-BS: Aerospace Engineering BS](#)
[ARC ENG-BS: Architectural Engineering BS](#)
[BIO SC-BA: Biological Sciences BA](#)
[BIO SC-BS: Biological Sciences BS](#)
[CR ENG-BS: Ceramic Engineering BS](#)
[CH ENG-BS: Chemical Engineering BS](#)
[CHEM-BA: Chemistry BA](#)
[CV ENG-BS: Civil Engineering BS](#)
[CP ENG-BS: Computer Engineering BS](#)
[EL ENG-BS: Electrical Engineering BS](#)
[GE ENG-BS: Geological Engineering BS](#)
[CHEM-BS: Chemistry BS](#)
[CHEM-MI: Chemistry Minor](#)
[FR ENG-UN: Foundational Engineering and Computing](#)
[CMP SC-BS: Computer Science BS](#)
[EDUC-BS: Education BS](#)
[MED LAB: Biological Sciences BS with Emphasis area in Medical Laboratory Scientist](#)
[ENV SCI-BS: Environmental Science BS](#)
[BIOMED-BS: Biomedical Engineering BS](#)
[SEMI EN-BS: Semiconductor Engineering BS](#)
[ENG MG-BS: Engineering Management BS](#)
[EV ENG-BS: Environmental Engineering BS](#)
[GL&GPH-BS: Geology and Geophysics BS](#)
[MC ENG-BS: Mechanical Engineering BS](#)
[MT ENG-BS: Metallurgical Engineering BS](#)
[MI ENG-BS: Mining Engineering BS](#)

In Workflow

1. **RCHEMIST Chair**
2. **CCC Secretary**
3. **Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 07/05/25 4:03 pm
Chariklia Sotiriou-Leventis (cslevent):
Approved for
RCHEMIST Chair
2. 07/09/25 10:39 am
Jade McCain
(jm558v): Approved
for CCC Secretary
3. 07/22/25 12:21 pm
Katie Shannon
(shannonk):
Approved for
Sciences DSCC Chair
4. 07/25/25 12:11 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

Requested Effective Date Spring 2026

Department Chemistry (RCHEMIST)

History

1. Apr 25, 2014 by
Lahne Black (lahne)
2. May 24, 2016 by

Discipline Chemistry (CHEM)
Course Number 1319
Title General Chemistry Laboratory
Abbreviated Course General Chemistry Lab
Title
Co-Listed Course

kleb6b
3. Sep 11, 2024 by
Jade McCain
(jm558v)

Catalog Description The laboratory work accompanying general chemistry consists of experiments designed to supplement lectures in Chem 1305 or Chem 1310.

Prerequisite(s): Preceded or accompanied by either ~~both~~ Chem 1305 or ~~1310 and~~ Chem 1310 and Chem 1100.

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Laboratory	1

Total: 1

Required for Majors Yes

Elective for Majors No

Communication No
Intensive

Communication No
Emphasized

Grading Basis Graded

Repeatable No

Justification Chem 1305 is offered for the first time in FS2025. Chem 1319 is a prerequisite or corequisite for both Chem 1310 and Chem 1305.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

attribute
Chemistry I with Lab (CHEM 150L)

Reviewer **Jade McCain (jm558v) (07/07/25 8:45 am):** Changed requested effective date to Spring 2026.

Comments

Katie Shannon (shannonk) (07/22/25 12:21 pm): The DSCC wants to make sure it is clear that CHEM 1100 is required and that either 1310 or 1305 is a coreq.

Key: 1817

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 05/07/25 9:59 am

Viewing: **CHEM ENG 5390 : Energy Engineering**

Last edit: 05/08/25 10:19 am

Changes proposed by: Christi Luks (luksc)

In Workflow

- 1. RCHEMENG Chair
- 2. CCC Secretary
- 3. Engineering DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate Chair
- 9. Registrar
- 10. CAT entry
- 11. Peoplesoft

Approval Path

- 1. 05/07/25 10:01 am
Hu Yang (huyang):
Approved for
RCHEMENG Chair
- 2. 05/08/25 10:20 am
Jade McCain
(jm558v): Approved
for CCC Secretary
- 3. 06/02/25 1:18 pm
Kelly Liu (liukh):
Approved for
Engineering DSCC
Chair
- 4. 07/25/25 12:11 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

Requested Effective Date	Spring 2026
Department	Chemical and Biochemical Engineering (RCHEMENG)
Discipline	Chemical Engineering (CHEM ENG)
Course Number	5390
Title	Energy Engineering
Abbreviated Course Title	Energy Engineering
Co-Listed Course	

Catalog Description

An assessment of issues related to worldwide energy demand and the key engineering, environmental, industrial, governmental, and market concepts that drive decision making. Discussions of the life-cycle analysis of traditional and renewable energy sources such as fossil fuels, nuclear power, biomass, wind, solar, and geothermal.

Prerequisite(s):
Senior or Graduate Standing.

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors	No
Elective for Majors	Yes
Communication Intensive	No
Communication Emphasized	No
Grading Basis	Graded
Repeatable	No

Justification This course has been taught as ChE 5001 at least 7 times and always fills. Recently it was renamed to Energy Engineering, but it used to be listed as Energy Economics. The change in name was to avoid conflict with the Economics department's courses.

Semesters Previously Offered

Term(s) Offered as
experimental

Previous Course
Code

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (05/07/25 4:04 pm):** Added grading basis.
Comments **Jade McCain (jm558v) (05/08/25 10:19 am):** This course was taught in Spring 2025 with 24 students and in Summer 2024 with 12 students.

Key: 10311

[Preview Bridge](#)

Course Change Request

Date Submitted: 07/07/25 2:06 pm

Viewing: **ENGLISH 2241 : Young Adult Literature For**
Adolescents

Last edit: 07/09/25 1:52 pm

Changes proposed by: Kristine Swenson (kswenson)

In Workflow

1. **RENGLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanities
DSCC Chair**
4. **Pending CCC
Agenda post**
5. **CCC Meeting
Agenda**
6. Campus Curricula
Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 07/07/25 2:06 pm
Kristine Swenson
(kswenson):
Approved for
RENGLISH Chair
2. 07/09/25 1:54 pm
Jade McCain
(jm558v): Approved
for CCC Secretary
3. 07/09/25 3:34 pm
Petra Dewitt
(dewittp): Approved
for Arts &
Humanities DSCC
Chair
4. 07/25/25 12:11 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

Justification for this
inactivation request

Requested Effective Date Spring 2026

Department English & Tech Communication (RENGLISH)

Discipline English (ENGLISH)

Course Number 2241

Title Young Adult Literature ~~For Adolescents~~

Abbreviated Course Title Young Adult Lit ~~For Adolescents~~

Co-Listed Course

Catalog Description Appropriate ~~Primarily intended~~ for teacher certification students. Selection and organization of materials for teaching literature to adolescents. Emphasizes literature written for adolescents and includes a unit of literature of American ethnic groups.

Prerequisite(s): English 1120. ~~English 1120 and a semester of college literature.~~

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication Intensive Yes

Communication Emphasized No

Grading Basis Graded

Repeatable No

Justification The phrase "young adult literature" is more current and widely understood than "literature for adolescents." The content of the course remains the same. The title change does not hinder teacher certification or conflict with DESE rules.

Semesters Previously Offered

Term(s) Offered as

experimental

Previous Course

Code

Is this a MOTR

Course?

Reviewer

Comments

Jade McCain (jm558v) (07/09/25 1:52 pm): Added punctuation and selected "no" for Communication Emphasized.

Key: 6363

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 07/15/25 2:10 pm

Viewing: **KC 5001 : Special Topics**

Last edit: 07/16/25 9:25 am

Changes proposed by: David Enke (enke)

In Workflow

- 1. RKUMR Chair
- 2. CCC Secretary
- 3. Social Sciences DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate Chair
- 9. Registrar
- 10. CAT entry
- 11. Peoplesoft

Approval Path

- 1. 07/16/25 9:16 am David Enke (enke): Approved for RKUMR Chair
- 2. 07/16/25 9:26 am Jade McCain (jm558v): Approved for CCC Secretary
- 3. 07/16/25 9:46 am Cecil Eng Huang Chua (cchua): Approved for Social Sciences DSCC Chair
- 4. 07/25/25 12:11 pm Jade McCain (jm558v): Approved for Pending CCC Agenda post

Requested Effective Date	Spring 2026
Department	Kummer College (RKUMR)
Discipline	Kummer College (KC)
Course Number	5001
Title	Special Topics
Abbreviated Course Title	Special Topics
Co-Listed Course	

Catalog Description
This course is designed to give the college an opportunity to test a new course. Variable title.

Prerequisite(s):

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	0-6

Total: 0-6

Required for Majors No

Elective for Majors Yes

Communication
Intensive No

Communication
Emphasized No

Grading Basis Graded

Repeatable No

Justification The Kummer College would like to begin offering new courses under the approved KC designation. The first step in this process is to create a special topics course in order to test out new experimental courses.

Semesters Previously Offered

Term(s) Offered as
experimental

Previous Course
Code

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (07/16/25 9:25 am):** Corrected prerequisite and corequisite format and
Comments added grading basis.

Key: 10327

[Preview Bridge](#)

Course Change Request

Date Submitted: 07/11/25 3:02 pm

Viewing: **MIN ENG 4097 : Capstone Design Project**

Last approved: 01/29/24 6:01 am

Last edit: 07/14/25 8:50 am

Changes proposed by: Kwame Awuah-Offei (kabp3)

In Workflow

- 1. RMINENG Chair
- 2. CCC Secretary
- 3. Engineering DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate Chair
- 9. Registrar
- 10. CAT entry
- 11. Peoplesoft

Approval Path

- 1. 07/11/25 3:04 pm Kwame Awuah-Offei (kabp3): Approved for RMINENG Chair
- 2. 07/14/25 9:35 am Jade McCain (jm558v): Approved for CCC Secretary
- 3. 07/25/25 10:27 am Kelly Liu (liukh): Approved for Engineering DSCC Chair
- 4. 07/25/25 12:12 pm Jade McCain (jm558v): Approved for Pending CCC Agenda post

History

- 1. Apr 25, 2014 by Lahne Black (lahne)
- 2. Feb 9, 2015 by Tina

MI ENG-BS: Mining Engineering BS

Programs
referencing this
course

Requested Effective Date	Spring 2026
Department	Mining and Explosives Engineering (RMINENG)
Discipline	Mining Engineering (MIN ENG)
Course Number	4097
Title	Capstone Design Project
Abbreviated Course Title	Capstone Design Project
Co-Listed Course	

Catalog Description
Capstone project with written and oral presentations. Includes mine design and optimization, production plan, equipment and flowsheet design based on geology, resources/reserves, geotechnics, hydrology and hydro-geology. Project also incorporates markets, environmental and permitting, mine-mill organization, support facilities, economic and risk analyses.

Prerequisite(s):
Min Eng 4096.

Corequisite(s):

Credit Hours

Credit Hours

Alobaidan (cifarellit)
3. Jun 26, 2017 by Tina
Alobaidan (cifarellit)
4. Oct 5, 2023 by
Jennifer Pohlsander
(jpnfd)
5. Jan 29, 2024 by
Stephen Casey
(caseysc)

Credit Type	Credit Hours
Lecture	1
Laboratory	2

Total: 3

Required for Majors Yes

Elective for Majors No

Communication No
Intensive

Communication Yes
Emphasized

Grading Basis Graded

Repeatable No

Justification Revising to streamline our communication emphasized courses.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (07/14/25 8:50 am):** Selected "no" for Communication Intensive.
Comments

Key: 1128

[Preview Bridge](#)

Course Change Request

Date Submitted: 07/11/25 3:03 pm

Viewing: **MIN ENG 5113 : Mine Atmosphere Control**

Last approved: 10/05/23 4:07 pm

Last edit: 07/14/25 9:36 am

Changes proposed by: Kwame Awuah-Offei (kabp3)

In Workflow

- 1. RMINENG Chair
- 2. CCC Secretary
- 3. Engineering DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate Chair
- 9. Registrar
- 10. CAT entry
- 11. Peoplesoft

Approval Path

- 1. 07/11/25 3:04 pm
Kwame Awuah-Offei (kabp3): Approved for RMINENG Chair
- 2. 07/14/25 9:36 am
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 07/25/25 10:27 am
Kelly Liu (liukh): Approved for Engineering DSCC Chair
- 4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

History

- 1. Mar 5, 2018 by Tina Alobaidan (cifarellit)
- 2. Oct 5, 2023 by

MI ENG-BS: Mining Engineering BS

Programs
referencing this
course

Requested Effective Date	Spring 2026
Department	Mining and Explosives Engineering (RMINENG)
Discipline	Mining Engineering (MIN ENG)
Course Number	5113
Title	Mine Atmosphere Control
Abbreviated Course Title	Mine Atmosphere Control
Co-Listed Course	

Catalog Description
Fundamentals of mine ventilation, including the principles of airflow, control of gases, dust, and temperature, methane drainage, mine fans, network theory, computer network simulation, and economics of airflow, with emphasis on analysis, systems design and practical application.

Prerequisite(s):
Mech Eng 2527 and Civ Eng 3330; or Nuc Eng 3221.

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	2
Laboratory	1

Total: 3

Required for Majors Yes

Elective for Majors No

Communication No
Intensive

Communication Yes
Emphasized

Grading Basis Graded

Repeatable No

Justification Revising to streamline our communication emphasized courses.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (07/14/25 9:36 am):** Selected "no" for Communication Intensive
Comments

Course Change Request

Date Submitted: 07/11/25 2:49 pm

Viewing: **MIN ENG 5742 : Sustainability in Mining**
Environmental Aspects of Mining

Also listed as: **GEO ENG 5276**

Last approved: 08/06/24 6:04 am

Last edit: 07/14/25 9:45 am

Changes proposed by: Kwame Awuah-Offei (kabp3)

In Workflow

- 1. RMINENG Chair
- 2. CCC Secretary
- 3. Engineering DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate Chair
- 9. Registrar
- 10. CAT entry
- 11. Peoplesoft

Approval Path

- 1. 07/11/25 3:04 pm
Kwame Awuah-Offei (kabp3): Approved for RMINENG Chair
- 2. 07/14/25 9:46 am
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 07/25/25 10:28 am
Kelly Liu (liukh): Approved for Engineering DSCC Chair
- 4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

History

- 1. Mar 5, 2018 by Tina Alobaidan (cifarellit)
- 2. Oct 5, 2023 by

Programs referencing this course

GEO ENG 5276:
[ENV SCI-BS: Environmental Science BS](#)
[EV ENG-BS: Environmental Engineering BS](#)

MIN ENG 5742:
[MGTSUSB-CT: Mgt for Sustainable Business](#)
[MINEREC-CT: Mine Reclamation CT](#)
[SUSMINE-CT: Sustainability in Mining CT](#)
[ENV SCI-BS: Environmental Science BS](#)
[MI ENG-CT: Mining Engineering CT](#)
[EV ENG-BS: Environmental Engineering BS](#)
[MI ENG-BS: Mining Engineering BS](#)

Requested Effective Date	Spring 2026		
Department	Mining and Explosives Engineering (RMINENG)		
Discipline	Mining Engineering (MIN ENG)		
Course Number	5742		
Title	<u>Sustainability in Mining</u> Environmental Aspects of Mining		
Abbreviated Course Title	<u>Sustainability in</u> Aspects of Mining		
Co-Listed Course	GEO ENG 5276	Department	
		Earth Sciences and Engineering (RGEOENG)	

Catalog Description
Sustainability implications of mining. ~~Permitting.~~ Topics include mine permitting, the legal

~~environment of reclamation and~~ environmental impact assessment, mine reclamation and habitat restoration, sustainability implications of mine planning ~~assessment; post-mining land-use selection~~ and design, environmental management systems, sustainability reporting, community development, and handling mine-influenced water. ~~mine planning for optimum reclamation of all mines: metal, nonmetal, and coal; unit operations of reclamation: drainage, backfill, soil replacement, revegetation, maintenance, etc.~~

Jennifer Pohlsander
(jpnfd)
3. Aug 6, 2024 by Evie
Sherlock (esdk3)

Prerequisite(s): Preceded or accompanied by Min Eng 5933 or Geo Eng 5441 or Env Eng 5619.

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors Yes

Elective for Majors No

Communication No
Intensive

Communication Yes
Emphasized

Grading Basis Graded

Repeatable No

Justification Current ABET program-specific requirements call for "mine sustainability" and not "environmental considerations" as before. This course has been taught with an expanded (beyond just environmental) focus that includes social and other sustainability considerations for a while now. These changes align the course name and catalog description to match the practice. This also ensures easier ABET accreditation.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer Jade McCain (jm558v) (07/14/25 9:45 am): Selected "no" for Communication Intensive.
Comments

Course Change Request

New Course Proposal

Date Submitted: 07/11/25 3:34 pm

Viewing: **MIN ENG 6141 : Computational Fluid Dynamics for Particulate and Fire Simulations**

Last edit: 07/14/25 10:14 am

Changes proposed by: Stephen Casey (caseysc)

In Workflow

- 1. RMINENG Chair
- 2. CCC Secretary
- 3. Engineering DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate Chair
- 9. Registrar
- 10. CAT entry
- 11. Peoplesoft

Approval Path

- 1. 07/11/25 3:41 pm
Kwame Awuah-Offei (kabp3): Approved for RMINENG Chair
- 2. 07/14/25 10:14 am
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 07/25/25 10:28 am
Kelly Liu (liukh): Approved for Engineering DSCC Chair
- 4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Requested Effective Date	Spring 2026
Department	Mining and Explosives Engineering (RMINENG)
Discipline	Mining Engineering (MIN ENG)
Course Number	6141
Title	Computational Fluid Dynamics for Particulate and Fire Simulations
Abbreviated Course Title	CFD for Par and Fire Sim
Co-Listed Course	

Catalog Description

This course will cover introductory aspects of Computational Fluid Dynamics (CFD) and apply it to solve particulate and fire simulation problems. This course will study discretization methods including finite difference methods and finite volume method, and basic numerical schemes and analysis methods for solving the Enler and Navier-Stoke equations.

Prerequisite(s):

Math 3108, Civ Eng 3330, Comp Sci 1972, and Comp Sci 1982. Graduate standing or consent of instructor.

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors	No
Elective for Majors	No
Communication Intensive	No
Communication Emphasized	No
Grading Basis	Graded
Repeatable	No

Justification	No existing course that teaches using CFD to simulate particulates and fire. This course will be useful for students in the research of air and water pollution, fire simulation, and other fluid related topics. This course was successfully offered as an experimental course in Spring 23, 24 and 25, MIN ENG 6001.
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Semesters Previously Offered

Term(s) Offered as experimental

Previous Course Code

Is this a MOTR Course?

Reviewer	Jade McCain (jm558v) (07/14/25 10:11 am): Added grading basis.
Comments	Jade McCain (jm558v) (07/14/25 10:14 am): This course was taught experimentally in Spring 2023 with 3 students enrolled, Spring 2024 with 2 students enrolled, and Spring 2025 with 2 students enrolled.

Course Change Request

Date Submitted: 07/11/25 2:54 pm

Viewing: **MIN ENG 6712 : Managing Social and Environmental Risks in Mining (~~Intro to Responsible Mining~~)**

Last approved: 07/31/24 6:06 am

Last edit: 07/11/25 2:54 pm

Changes proposed by: Kwame Awuah-Offei (kabp3)

Programs referencing this course	MINEREC-CT: Mine Reclamation CT SUSMINE-CT: Sustainability in Mining CT
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Requested Effective Date	Spring 2026
Department	Mining and Explosives Engineering (RMINENG)
Discipline	Mining Engineering (MIN ENG)
Course Number	6712
Title	Managing Social and Environmental Risks in Mining (Intro to Responsible Mining)
Abbreviated Course Title	Soc & Enviro Risk Mining
Co-Listed Course	

Catalog Description	<u>Principles for managing social and environmental risks in mining.</u> This course is an introduction to responsible mining. <u>Focus</u> It focuses on industry and NGO programs around sustainability and <u>ESG</u> reporting in mining, financial community response, community <u>development programs</u> , of interest engagement and participation, and safety and crisis response and management.
Prerequisite(s):	Min Eng 4742 or Min Eng 5742.
Corequisite(s):	

Credit Hours

In Workflow

1. RMINENG Chair
2. CCC Secretary
3. Engineering DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 07/11/25 3:04 pm
Kwame Awuah-Offei (kabp3): Approved for RMINENG Chair
2. 07/14/25 10:15 am
Jade McCain (jm558v): Approved for CCC Secretary
3. 07/25/25 10:28 am
Kelly Liu (liukh): Approved for Engineering DSCC Chair
4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

History

1. Oct 24, 2016 by jrussell
2. Jul 31, 2024 by

Credit Hours

Crystal Wilson
(wilsoncry)

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication
Intensive

Communication
Emphasized

Grading Basis Graded

Repeatable No

Justification Revising the course title and description to streamline that with the request to revise the name and description of Min Eng 5742.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer
Comments

Key: 4317

[Preview Bridge](#)

Course Change Request

Date Submitted: 07/11/25 2:58 pm

Viewing: **MIN ENG 6735 : Sustainability Assessment In Mining**

Last approved: 07/31/24 6:05 am

Last edit: 07/14/25 10:34 am

Changes proposed by: Kwame Awuah-Offei (kabp3)

Programs referencing this course	<u>MGTSUSB-CT: Mgt for Sustainable Business</u> <u>MINEREC-CT: Mine Reclamation CT</u> <u>SUSMINE-CT: Sustainability in Mining CT</u>
----------------------------------	---

Requested Effective Date	Spring 2026
Department	Mining and Explosives Engineering (RMINENG)
Discipline	Mining Engineering (MIN ENG)
Course Number	6735
Title	Sustainability <u>Assessment</u> In Mining
Abbreviated Course Title	<u>Sustain Assess</u> Sustainability In Mining
Co-Listed Course	

Catalog Description	<u>Sustainability assessment in mining:</u> Sustainability defined: social, economic and environmental impacts. Mining as sustainable development interventions. Mine planning for sustainability, sustainability assessment <u>tools</u> , and reporting, sustainable mine closure and post mining land use. <u>Environmental impact assessment, social impact assessments, life cycle assessments, etc.</u> Case studies.
Prerequisite(s):	Min Eng 5742.
Corequisite(s):	

<u>Credit Hours</u>	
Credit Hours	

In Workflow

1. RMINENG Chair
2. CCC Secretary
3. Engineering DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 07/11/25 3:04 pm
Kwame Awuah-Offei (kabp3): Approved for RMINENG Chair
2. 07/14/25 10:34 am
Jade McCain (jm558v): Approved for CCC Secretary
3. 07/25/25 10:28 am
Kelly Liu (liukh): Approved for Engineering DSCC Chair
4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

History

1. Jun 21, 2021 by
Stephen Casey (caseysc)

Credit Type	Credit Hours
Lecture	3

Total:3

- Required for MajorsNo
- Elective for MajorsNo
- Communication IntensiveNo
- Communication EmphasizedNo
- Grading BasisGraded
- RepeatableNo

JustificationRevising the course title and description to streamline that with the request to revise the name and description of Min Eng 5742.

Semesters Previously Offered

Term(s) Offered as experimental

Is this a MOTR Course?

Reviewer Comments

Jade McCain (jm558v) (07/14/25 10:26 am): Selected "no" for Communication Intensive and Communication Emphasized per department request via email on 7/14.

Jade McCain (jm558v) (07/14/25 10:34 am): Removed punctuation from abbreviated course title.

Course Change Request

Date Submitted: 07/15/25 9:12 pm

Viewing: **MIN ENG 6922 : Optimization Applications In Mining ↓**

Last edit: 07/15/25 9:12 pm

Changes proposed by: Kwame Awuah-Offei (kabp3)

Requested Effective Date	Spring 2026
Department	Mining and Explosives Engineering (RMINENG)
Discipline	Mining Engineering (MIN ENG)
Course Number	6922
Title	Optimization Applications In Mining ↓
Abbreviated Course Title	Opt Appl In Mining I
Co-Listed Course	

Catalog Description
Mining applications of deterministic mathematical optimization techniques, ~~techniques are covered~~, including ~~linear, integer, mixed-integer, dynamic~~, unconstrained optimization problems, linear programming and extensions (including integer constrained nonlinear, and mixed-integer linear programming), and constrained nonlinear problems. ~~heuristic programming.~~ Case studies.

Prerequisite(s):
Graduate standing or consent.

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

In Workflow

1. RMINENG Chair

2. CCC Secretary

3. Engineering DSCC Chair

4. Pending CCC Agenda post

5. CCC Meeting Agenda

6. Campus Curricula Committee Chair

7. FS Meeting Agenda

8. Faculty Senate Chair

9. Registrar

10. CAT entry

11. Peoplesoft

Approval Path

1. 07/15/25 9:15 pm
Kwame Awuah-Offei (kabp3): Approved for RMINENG Chair

2. 07/16/25 10:05 am
Jade McCain (jm558v): Approved for CCC Secretary

3. 07/25/25 10:28 am
Kelly Liu (liukh): Approved for Engineering DSCC Chair

4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Required for Majors No

Elective for Majors No

Communication
Intensive No

Communication
Emphasized No

Grading Basis Graded

Repeatable No

Justification We no longer have a course that is listed as Optimization Applications in Mining II, so we need to remove the "I" to avoid the confusion it causes. We are also revising the course description to be more in line with the content of the course.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer
Comments

Key: 9020

[Preview Bridge](#)

Course Change Request

Date Submitted: 04/30/25 7:56 am

Viewing: **PSYCH 4310 : Psychology Of The Exceptional Child**

Last approved: 03/25/24 6:01 am

Last edit: 07/08/25 8:28 am

Changes proposed by: Clair Kueny (reynoldscla)

Programs referencing this course	AP MATH-BS: Applied Mathematics BS
	CHEM-BA: Chemistry BA
	PSYCH-BA: Psychological Science BA
	PSYCH-BS: Psychological Science BS
	EDUC-BS: Education BS
	ECON-BA: Economics BA
	ENV SCI-BS: Environmental Science BS
	PSYD&I-CTU: Psychology of Diversity and Inclusion CTU

Requested Effective Date	Spring 2026
Department	Psychological Science (RPSYCHOL)
Discipline	Psychology (PSYCH)
Course Number	4310
Title	Psychology Of The Exceptional Child
Abbreviated Course Title	Psych Exceptional Child
Co-Listed Course	

Catalog Description	Study of the psychology of children on both ends of the educational spectrum. The course presents the fundamentals of providing services as well as understanding the abilities and disabilities of children classified as exceptional. Includes coverage of various disabilities, and the implications of dealing with personal, family and classroom issues.
Prerequisite(s):	Either Psych 1101 (psychology majors) or Educ <u>1074</u> 1040 (teacher education program).
Corequisite(s):	

Credit Hours	
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In Workflow

1. RPSYCHOL Chair
2. CCC Secretary
3. Social Sciences DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 04/30/25 7:57 am
Clair Kueny (reynoldscla):
Approved for RPSYCHOL Chair
2. 04/30/25 8:51 am
Jade McCain (jm558v): Approved for CCC Secretary
3. 06/27/25 8:48 am
Cecil Eng Huang Chua (cchua):
Approved for Social Sciences DSCC Chair
4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

History

1. Mar 25, 2024 by Devin Burns

Credit Hours

(burnsde)

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors Yes

Elective for Majors Yes

Communication No
Intensive

Communication No
Emphasized

Grading Basis Graded

Repeatable No

Justification Education is inactivating Educ 1040. They are replacing Educ 1040 with Educ 1074, so updated the pre-req to reflect this.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (04/30/25 8:51 am):** Selected "no" for communication emphasized and communication intensive.
Comments **Jade McCain (jm558v) (07/08/25 8:28 am):** Changed the requested effective date to Spring 2026.

Key: 1374

[Preview Bridge](#)

Course Change Request

Date Submitted: 06/23/25 12:55 pm

Viewing: **SP&M S 3255 : Discussion And Conference Methods**

Last approved: 03/22/21 6:01 am

Last edit: 06/23/25 2:20 pm

Changes proposed by: Kristine Swenson (kswenson)

Programs COMM ST-MI: Communication Studies Minor
referencing this L COMM-MI: Leadership Communication Minor
course

Requested Effective Date Spring 2026
Department English & Tech Communication (REGLISH)
Discipline Speech & Media Studies (SP&M S)
Course Number 3255
Title Discussion And Conference Methods
Abbreviated Course Title Discussion&Confer Mthds
Co-Listed Course

Catalog Description
Explores the theoretical and practical dimensions of human communication in task-oriented small groups with emphasis on producing desired outcomes. Particularly useful for students who wish to improve their ability to work in small group environments.

Prerequisite(s):
English 1120 or Sp&m s 1185. ~~Sp&M-S 2181.~~

Corequisite(s):

Credit Hours

Credit Hours

In Workflow

- 1. **REGLISH Chair**
- 2. **CCC Secretary**
- 3. **Arts & Humanities DSCC Chair**
- 4. **Pending CCC Agenda post**
- 5. **CCC Meeting Agenda**
- 6. Campus Curricula Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate Chair
- 9. Registrar
- 10. CAT entry
- 11. Peoplesoft

Approval Path

- 1. 06/23/25 12:56 pm
Kristine Swenson (kswenson):
Approved for
REGLISH Chair
- 2. 06/23/25 2:21 pm
Jade McCain (jm558v): Approved
for CCC Secretary
- 3. 06/23/25 5:32 pm
Petra Dewitt (dewittp): Approved
for Arts &
Humanities DSCC
Chair
- 4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved
for Pending CCC
Agenda post

History

- 1. Mar 22, 2021 by

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors No

Communication Yes
Intensive

Communication No
Emphasized

Grading Basis Graded

Repeatable No

Justification The course originally listed as a prerequisite is not taught often enough to make the requirement feasible.

Semesters Previously Offered

Term(s) Offered as
experimental

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (06/23/25 2:19 pm):** Selected "no" for Communication Emphasized,
Comments added grading basis, and punctuation.

Course Change Request

Date Submitted: 05/06/25 2:00 pm

Viewing: **STAT 3113 : Applied Engineering Statistics**

Last edit: 06/06/25 3:21 pm

Changes proposed by: John Singler (singlerj)

Programs referencing this course	<u>NU ENG-BS: Nuclear Engineering BS</u>
	<u>AE ENG-BS: Aerospace Engineering BS</u>
	<u>AP MATH-BS: Applied Mathematics BS</u>
	<u>ARC ENG-BS: Architectural Engineering BS</u>
	<u>CR ENG-BS: Ceramic Engineering BS</u>
	<u>CH ENG-BS: Chemical Engineering BS</u>
	<u>CHEM-BA: Chemistry BA</u>
	<u>CV ENG-BS: Civil Engineering BS</u>
	<u>GE ENG-BS: Geological Engineering BS</u>
	<u>CHEM-BS: Chemistry BS</u>
	<u>MATH-MI: Mathematics Minor</u>
	<u>CMP SC-BS: Computer Science BS</u>
	<u>EDUC-BS: Education BS</u>
	<u>ENV SCI-BS: Environmental Science BS</u>
	<u>SEMI EN-BS: Semiconductor Engineering BS</u>
	<u>EV ENG-BS: Environmental Engineering BS</u>
	<u>GL&GPH-BS: Geology and Geophysics BS</u>
	<u>MC ENG-BS: Mechanical Engineering BS</u>
	<u>MT ENG-BS: Metallurgical Engineering BS</u>
	<u>MI ENG-BS: Mining Engineering BS</u>

In Workflow

1. **RMATHEMA Chair**
2. **CCC Secretary**
3. **Sciences DSCC Chair**
4. **Pending CCC
Agenda post**
5. **CCC Meeting
Agenda**
6. Campus Curricula
Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 06/06/25 3:03 pm
John Singler
(singlerj): Approved
for RMATHEMA
Chair
2. 06/06/25 3:23 pm
Jade McCain
(jm558v): Approved
for CCC Secretary
3. 06/16/25 10:33 am
Katie Shannon
(shannonk):
Approved for
Sciences DSCC Chair
4. 07/25/25 12:12 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

Justification for this
inactivation request

Requested Effective	Spring 2026
---------------------	-------------

Date

Department Mathematics & Statistics (RMATHEMA)

Discipline Statistics (STAT)

Course Number 3113

Title Applied Engineering Statistics

Abbreviated Course Title Applied Engineering Stat

Title

Co-Listed Course

Catalog Description An introduction to applied statistical methods in engineering dealing with basic probability, estimation, tests of hypotheses, regression, design of experiments and control charts. Statistical computer packages will be used in connection with some of the material studies. Credit will be given for only one of Stat 3111, 3113, 3115 or 3117.

Prerequisite(s): Math 1215 or Math 1221 with a grade of "C" or better.

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	<u>2</u> 3
<u>Laboratory</u>	<u>1</u>

Total: 3

Required for Majors No

Elective for Majors Yes

Communication Intensive No

Communication Emphasized Yes

Grading Basis Graded

Repeatable No

Justification One credit hour of lecture is being converted to one credit hour of lab in order to increase active learning. The labs will focus on using data-driven methods in applications.

Semesters Previously Offered

Term(s) Offered as experimental

Previous Course
Code

Is this a MOTR
Course?

Reviewer
Comments

Jade McCain (jm558v) (06/06/25 3:21 pm): Selected "yes" for elective for major and Communication Emphasized and "no" for Communication Intensive.

Key: 10038

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 06/17/25 2:46 pm

Viewing: **TCH COM 3591 : Writing for the Games Industry**

Also listed as: **ENGLISH 3591**

Last edit: 07/01/25 12:18 pm

Changes proposed by: Kristine Swenson (kswenson)

Programs
referencing this
course

TCH COM 3591:
[GAME-MI: Game Studies Minor](#)

Requested Effective Date	Spring 2026	
Department	English & Tech Communication (REGLISH)	
Discipline	Technical Communication (TCH COM)	
Course Number	3591	
Title	Writing for the Games Industry	
Abbreviated Course Title	Games Industry	
Co-Listed Course	ENGLISH 3591	Department English & Tech Communication (REGLISH)

Catalog Description
This course focuses on common documents and genres found in the games industry from a technical communication perspective.

Prerequisite(s):
English 1120.

Corequisite(s):

Credit Hours

Credit Hours

In Workflow

1. **REGLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 06/17/25 2:54 pm
Kristine Swenson (kswenson):
Approved for
REGLISH Chair
2. 06/18/25 1:56 pm
Jade McCain (jm558v): Rollback to REGLISH Chair for CCC Secretary
3. 06/20/25 1:56 pm
Kristine Swenson (kswenson):
Approved for
REGLISH Chair
4. 07/01/25 1:21 pm
Jade McCain (jm558v): Approved for CCC Secretary
5. 07/01/25 2:30 pm
Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC

Chair
6. 07/25/25 12:12 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication Intensive Yes

Communication Emphasized No

Grading Basis Graded

Repeatable No

Justification This course is required for the Games Studies Minor.

Semesters Previously Offered

Term(s) Offered as experimental

Previous Course Code

Is this a MOTR Course?

Reviewer Jade McCain (jm558v) (06/18/25 1:56 pm): Rollback: Rollback per needs to be submitted with the Game Studies DC form.

Comments Jade McCain (jm558v) (06/23/25 8:45 am): Removed "English" from course number, added punctuation, and added grading basis.

Jade McCain (jm558v) (07/01/25 12:18 pm): Selected "no" for Communication Emphasized per department approval via email on 7/1/2025.

Course Change Request

New Course Proposal

Date Submitted: 06/17/25 2:50 pm

Viewing: **TCH COM 3592 : Critical Game Analysis**

Also listed as: **ENGLISH 3592**

Last edit: 07/01/25 12:19 pm

Changes proposed by: Kristine Swenson (kswenson)

Programs
referencing this
course

TCH COM 3592:
GAME-MI: Game Studies Minor

Requested Effective Date	Spring 2026		
Department	English & Tech Communication (REGLISH)		
Discipline	Technical Communication (TCH COM)		
Course Number	3592		
Title	Critical Game Analysis		
Abbreviated Course Title	Critical Game Analysis		
Co-Listed Course	ENGLISH 3592	Department	English & Tech Communication (REGLISH)

Catalog Description

This course critically examines technological, social, cultural and political-economic issues within the interdisciplinary study of games with an emphasis on games as communication. Classes and projects engage students in theory-driven treatments of games and expose them to the unique contributions of games to technical communication.

Prerequisite(s):

English 1120 and English 3590 or Tch Com 3590.

Corequisite(s):

Credit Hours

In Workflow

1. REGLISH Chair

2. CCC Secretary

3. Arts & Humanities DSCC Chair

4. Pending CCC Agenda post

5. CCC Meeting Agenda

6. Campus Curricula Committee Chair

7. FS Meeting Agenda

8. Faculty Senate Chair

9. Registrar

10. CAT entry

11. Peoplesoft

Approval Path

1. 06/17/25 2:54 pm
Kristine Swenson (kswenson):
Approved for REGLISH Chair

2. 06/18/25 1:56 pm
Jade McCain (jm558v): Rollback to REGLISH Chair for CCC Secretary

3. 06/20/25 1:56 pm
Kristine Swenson (kswenson):
Approved for REGLISH Chair

4. 07/01/25 1:21 pm
Jade McCain (jm558v): Approved for CCC Secretary

5. 07/01/25 2:31 pm
Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC

Credit Hours

Chair
6. 07/25/25 12:12 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication Intensive Yes

Communication Emphasized No

Grading Basis Graded

Repeatable No

Justification This course is required for the Game Studies Minor.

Semesters Previously Offered

Term(s) Offered as
experimental

Previous Course
Code

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (06/18/25 1:56 pm):** Rollback: Rollback per needs to be submitted with
Comments the Game Studies DC form.
Jade McCain (jm558v) (06/23/25 9:25 am): Updated formatting, added punctuation and
grading basis.
Jade McCain (jm558v) (07/01/25 12:19 pm): Selected "no" for Communication Emphasized per
department approval via email on 7/1/2025.

Key: 10315

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 06/17/25 2:53 pm

Viewing: **TCH COM 3593 : Creating Narrative Games, Interactive Fiction, and Simulations**

Also listed as: **ENGLISH 3593**

Last edit: 07/01/25 12:21 pm

Changes proposed by: Kristine Swenson (kswenson)

Programs referencing this course

TCH COM 3593:
[GAME-MI: Game Studies Minor](#)

Requested Effective Date	Spring 2026		
Department	English & Tech Communication (RENGLISH)		
Discipline	Technical Communication (TCH COM)		
Course Number	3593		
Title	Creating Narrative Games, Interactive Fiction, and Simulations		
Abbreviated Course Title	Narrative Games		
Co-Listed Course	ENGLISH 3593	Department	English & Tech Communication (RENGLISH)

Catalog Description

Introduction to the narrative design process for authoring text-based digital games. By the end of the semester, students will have developed a game or work of interactive fiction. No prior programming knowledge is required for students to be successful in the course.

Prerequisite(s):
English 1120.

Corequisite(s):

Credit Hours

In Workflow

1. **RENGLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 06/17/25 2:54 pm
Kristine Swenson (kswenson):
Approved for
RENGLISH Chair
2. 06/18/25 1:56 pm
Jade McCain (jm558v): Rollback to
RENGLISH Chair for CCC Secretary
3. 06/20/25 1:56 pm
Kristine Swenson (kswenson):
Approved for
RENGLISH Chair
4. 07/01/25 1:21 pm
Jade McCain (jm558v): Approved for
CCC Secretary
5. 07/01/25 2:31 pm
Petra Dewitt (dewittp): Approved for
Arts & Humanities DSCC

Credit Hours

Chair
6. 07/25/25 12:12 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication
Intensive Yes

Communication
Emphasized No

Grading Basis Graded

Repeatable No

Justification This course is required for the Games Studies minor.

Semesters Previously Offered

Term(s) Offered as
experimental

Previous Course
Code

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (06/18/25 1:56 pm):** Rollback: Rollback per needs to be submitted with
Comments the Game Studies DC form.
Jade McCain (jm558v) (06/23/25 9:22 am): Updated formatting and added grading basis.
Jade McCain (jm558v) (07/01/25 12:21 pm): Selected "no" for Communication Emphasized per
department approval via email on 7/1/2025.

Key: 10317

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 06/17/25 3:43 pm

Viewing: **TCH COM 3640 : Video Design and Editing**

Last edit: 07/01/25 12:22 pm

Changes proposed by: Kristine Swenson (kswenson)

Requested Effective Date	Spring 2026
Department	English & Tech Communication (REGLISH)
Discipline	Technical Communication (TCH COM)
Course Number	3640
Title	Video Design and Editing
Abbreviated Course Title	Video Design and Editing
Co-Listed Course	

Catalog Description	Principles of visual design, vocal narration, and audio selection to create videos for both academic and professional purposes. Course includes extensive practice in video production.
Prerequisite(s):	English 1600 or Tch Com 1600.
Corequisite(s):	

Credit Hours	
Credit Hours	

In Workflow

1. REGLISH Chair
2. CCC Secretary
3. Arts & Humanities DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 06/17/25 3:51 pm
Kristine Swenson (kswenson):
Approved for
REGLISH Chair
2. 06/18/25 1:56 pm
Jade McCain (jm558v): Rollback
to REGLISH Chair
for CCC Secretary
3. 06/19/25 10:05 am
Kristine Swenson (kswenson):
Approved for
REGLISH Chair
4. 07/01/25 1:21 pm
Jade McCain (jm558v): Approved
for CCC Secretary
5. 07/01/25 2:31 pm
Petra Dewitt (dewittp): Approved
for Arts &
Humanities DSCC

Chair
6. 07/25/25 12:12 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication Intensive No

Communication Emphasized Yes

Grading Basis Graded

Repeatable Yes

Justification This course has run twice successfully (SP23, SP24) and will be run for a third time in SP26. It shares space with the 5001 version, which we also will submit for a CC.

Semesters Previously Offered

Term(s) Offered as experimental

Previous Course Code

Is this a MOTR Course?

Reviewer Comments
Jade McCain (jm558v) (06/18/25 1:56 pm): Rollback: Rollback per needs to be submitted with the Game Studies DC form.
Jade McCain (jm558v) (06/23/25 9:21 am): Added punctuation and grading basis.
Jade McCain (jm558v) (06/23/25 10:15 am): This course was offered as an EC in Spring 2023 with 11 students enrolled and Spring 2024 with 3 students enrolled.
Jade McCain (jm558v) (07/01/25 12:22 pm): Selected "no" for Communication Intensive per department approval via email on 7/1/2025.

Course Change Request

New Course Proposal

Date Submitted: 06/19/25 10:01 am

Viewing: **TCH COM 5630 : Persuasive AI**

Last edit: 07/01/25 12:23 pm

Changes proposed by: Kristine Swenson (kswenson)

In Workflow

- 1. **RENGLISH Chair**
- 2. **CCC Secretary**
- 3. **Arts & Humanities DSCC Chair**
- 4. **Pending CCC Agenda post**
- 5. **CCC Meeting Agenda**
- 6. Campus Curricula Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate Chair
- 9. Registrar
- 10. CAT entry
- 11. Peoplesoft

Approval Path

- 1. 06/19/25 10:05 am
Kristine Swenson (kswenson):
Approved for
RENGLISH Chair
- 2. 07/01/25 1:22 pm
Jade McCain (jm558v): Approved
for CCC Secretary
- 3. 07/01/25 2:32 pm
Petra Dewitt (dewittp): Approved
for Arts &
Humanities DSCC
Chair
- 4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved
for Pending CCC
Agenda post

Requested Effective Date	Spring 2026
Department	English & Tech Communication (RENGLISH)
Discipline	Technical Communication (TCH COM)
Course Number	5630
Title	Persuasive AI
Abbreviated Course Title	Persuasive AI
Co-Listed Course	

Catalog Description
Examines how predictive analytics, conversational agents, generative models, and autonomous systems are transforming human communication. Students critique AI-mediated messages, reverse-engineer AI-driven influence tactics, prototype AI-assisted persuasive content, conduct user tests, and craft ethical guidelines and guardrails for responsible deployment.

Prerequisite(s):
One semester of college composition or technical writing, or graduate standing.

Corequisite(s):

Credit Hours

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total:	3
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Required for Majors	No
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Elective for Majors	Yes
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Communication Intensive	No
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Communication Emphasized	Yes
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Grading Basis	Graded
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Repeatable	Yes
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Justification	This course, slated to be run in 2026 is the third time offering an AI in TCH Com course: FS21: TCH COM 5001 AI and Smart Tech Communication SP25: TCH COM 5001 AI to Zines SP26/FS26: TCH COM Persuasive AI
---------------	--

All three iterations are linked by the continuous inquiry into a single problem space for the discipline; that is how artificial intelligence reframes the practice, ethics, and rhetoric of technical and professional communication (TPC). We've used the EC process to determine the best focus for our program and campus, as the field has changed rapidly.

The title "Persuasive AI" converts on the department's early leadership in fostering campus-wide AI literacy by creating a predictable curricular anchor for advisors across campus to plan on. All three offerings are iterative refinements of one course that teaches students to design, critique, and ethically deploy AI-generated TPC content.

Semesters Previously Offered

Term(s) Offered as
experimental

Previous Course
Code

Is this a MOTR
Course?

Reviewer	Jade McCain (jm558v) (06/23/25 8:43 am): Added grading basis.
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Comments	Jade McCain (jm558v) (06/26/25 9:23 am): This course is cleared to receive a permanent course number per the CCC Chair's email on 6/23/2025, in regard to the various iterations of the experimental course Jade McCain (jm558v) (07/01/25 12:23 pm): Selected "no" for Communication Intensive per department approval via email on 7/1/2025.
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Course Change Request

New Course Proposal

Date Submitted: 06/17/25 3:47 pm

Viewing: **TCH COM 5640 : Advanced Video Design and Editing**

Last edit: 07/01/25 1:20 pm

Changes proposed by: Kristine Swenson (kswenson)

Requested Effective Date	Spring 2026
Department	English & Tech Communication (REGLISH)
Discipline	Technical Communication (TCH COM)
Course Number	5640
Title	Advanced Video Design and Editing
Abbreviated Course Title	Advanced Video Design and Edit
Co-Listed Course	

Catalog Description	Principles of visual design, vocal narration, and audio selection to create videos for both academic and professional purposes. Course includes extensive practice in video production to achieve professional-level standard.
Prerequisite(s):	Graduate standing.
Corequisite(s):	

Credit Hours	
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In Workflow

1. REGLISH Chair
2. CCC Secretary
3. Arts & Humanities DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 06/17/25 3:51 pm
Kristine Swenson (kswenson):
Approved for REGLISH Chair
2. 06/18/25 1:56 pm
Jade McCain (jm558v): Rollback to REGLISH Chair for CCC Secretary
3. 06/19/25 10:05 am
Kristine Swenson (kswenson):
Approved for REGLISH Chair
4. 06/26/25 8:31 am
Jade McCain (jm558v): Rollback to REGLISH Chair for CCC Secretary
5. 07/01/25 11:58 am
Kristine Swenson (kswenson):
Approved for

RENGGLISH Chair
6. 07/01/25 1:23 pm
Jade McCain
(jm558v): Approved
for CCC Secretary
7. 07/01/25 2:32 pm
Petra Dewitt
(dewittp): Approved
for Arts &
Humanities DSCC
Chair
8. 07/25/25 12:13 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Communication No
Intensive

Communication Yes
Emphasized

Grading Basis Graded

Repeatable No

Justification This course has run twice as an EC (SP23, SP24) and will run for a third time in SP26.

Semesters Previously Offered

Term(s) Offered as
experimental

Previous Course
Code

Is this a MOTR
Course?

Reviewer **Jade McCain (jm558v) (06/18/25 1:56 pm):** Rollback: Rollback per needs to be submitted with
Comments the Game Studies DC form.

Jade McCain (jm558v) (06/23/25 8:47 am): Added punctuation and grading basis.

Jade McCain (jm558v) (06/23/25 10:50 am): This course has only been offered once as an EC in Spring 2024 with 10 students enrolled.

Jade McCain (jm558v) (06/26/25 8:31 am): Rollback: Rollback per this course has only been offered as an EC once.

Jade McCain (jm558v) (07/01/25 1:20 pm): Selected "no" for Communication Intensive per department approval via email on 7/1/2025.

Key: 10322

[Preview Bridge](#)

Program Change Request

Date Submitted: 06/20/25 2:11 pm

Viewing: **GAME-MI : Game Studies Minor**

Last approved: 06/10/21 4:07 pm

Last edit: 07/07/25 4:12 pm

Changes proposed by: Kristine Swenson (kswenson)

Catalog Pages Using
this Program

[English and Technical Communication](#)

Effective Catalog Edition	FS2026-SP2027
Start Term	Fall 2026
Program Type	Minor
Academic Level	Undergraduate
Program Code	GAME-MI
Department	English & Tech Communication
Discipline	English
Title	

In Workflow

1. **REGLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanities
DSCC Chair**
4. **Pending CCC
Agenda post**
5. **CCC Meeting
Agenda**
6. Campus Curricula
Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar

Approval Path

1. 06/20/25 2:12 pm
Kristine Swenson
(kswenson):
Approved for
REGLISH Chair
2. 07/01/25 1:20 pm
Jade McCain
(jm558v): Approved
for CCC Secretary
3. 07/01/25 2:30 pm
Petra Dewitt
(dewittp): Approved
for Arts &
Humanities DSCC
Chair
4. 07/25/25 12:11 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

History

1. Apr 19, 2018 by
Kristine Swenson
(kswenson)
2. Jun 10, 2021 by
Kristine Swenson
(kswenson)

Game Studies Minor

CIP Code

Program Requirements and Description

Game Studies Minor

Overall Goals and Objectives:

1. Study games as meaningful systems
2. Research games as narrative devices
3. Reflect on the cultural and social impact of games
4. Develop ways to use games as learning tools

Requirements:

<u>TCH COM 3590</u>	Game Studies	3
or <u>ENGLISH 3590</u>	Game Studies	
<u>Two of the following:</u>		
<u>TCH COM 3592</u>	<u>Critical Game Analysis</u>	<u>3</u>
<u>TCH COM 3593</u>	<u>Creating Narrative Games, Interactive Fiction, and Simulations</u>	<u>3</u>
<u>TCH COM 3591</u>	<u>Writing for the Games Industry (TCH COM 3591 Writing for the Games Industry)</u>	<u>3</u>
One of the following:		
<u>TCH COM 3440</u>	<u>Theory of Visual Technical Communication</u>	<u>3</u>
<u>TCH COM 5560</u>	<u>Web-Based Communication</u>	<u>3</u>
<u>TCH COM 5530</u>	Usability Studies	3
ENGLISH 1170	Creative Writing	3
or ENGLISH 2171	Fiction Writing	
<u>TCH COM 5520</u>	<u>Structured Authoring</u>	<u>3</u>
<u>ENGLISH 2232</u>	Comics and Graphic Novels	3
<u>ENGLISH 2243</u>	Science Fiction	3
<u>ENGLISH 2244</u>	Fantasy Literature	3
<u>ART 3260</u>	<u>Exploring Digital Art</u>	<u>3</u>
<u>HISTORY 2510</u>	<u>History of Technology</u>	<u>3</u>
<u>HISTORY 3510</u>	<u>Twentieth Century Technology And Society</u>	<u>3</u>
<u>HISTORY 4580</u>	<u>Issues in Science, Technology and Society</u>	<u>3</u>
<u>HISTORY 4792</u>	<u>Historical Representation in Video Games</u>	<u>3</u>
<u>SP&M S 3275</u>	<u>Foundations of Media Communication</u>	<u>3</u>
<u>COMP SCI 2501</u>	<u>Java and Object Oriented Design</u>	<u>3</u>
<u>COMP SCI 5101</u>	<u>Software Testing And Quality Assurance</u>	<u>3</u>
<u>COMP SCI 5406</u>	<u>Interactive Computer Graphics</u>	<u>3</u>

<u>COMP SCI 5407</u>	<u>Introduction to Virtual Reality</u>	<u>3</u>
<u>IS&T 4654</u>	<u>Introduction to Web Design and Digital Media Studies</u>	<u>3</u>
<u>IS&T 5680</u>	<u>Digital Media Development and Interactive Design</u>	<u>3</u>
<u>IS&T 5885</u>	<u>Human-Computer Interaction and User Experience</u>	<u>3</u>
<u>PSYCH 4720</u>	<u>Psychology of Social Technology</u>	<u>3</u>

Justification for
request

Addition of new core game studies courses: Of the four courses currently required for the minor, only one course is in Game Studies (ENGL TCHCOM 3590). A single GS course is not enough to provide any depth. The popularity of ENGL TCHCOM 3590 among our students provides evidence of student interest in the field. In their evaluation of ENGL TCHCOM 3590, one student wrote, "Game Studies is clearly a complex field with a lot of different topics within it that could realistically span into their own course. [...] I would strongly suggest expanding the amount of Game Studies classes in order for students to be able to learn more about the complicated and nuanced topics in the field."

Addition of new interdisciplinary optional courses: Game Studies is an interdisciplinary field that draws researchers and scholars from various backgrounds.

Attach Budget

System Approval
Letter

MDHE Approval

Supporting
Documents

Reviewer
Comments

Jade McCain (jm558v) (07/07/25 4:12 pm): Corrected the requested effective date and start term.

Program Change Request

Date Submitted: 07/03/25 3:42 pm

Viewing: **GEOPHY-CT : Geophysics Graduate CT**

Last approved: 03/04/21 10:02 am

Last edit: 07/08/25 8:29 am

Changes proposed by: Kelly Liu (liukh)

Catalog Pages Using
this Program
[Geology and Geophysics](#)

Effective Catalog Edition	FS2026-SP2027
Start Term	Fall 2026
Program Type	Certificate
Academic Level	Graduate
Program Code	GEOPHY-CT
Department	Earth Sciences and Engineering
Discipline	Geophysics
Title	

In Workflow

1. **RGEOENG Chair**
2. **CCC Secretary**
3. **Engineering DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar

Approval Path

1. 05/17/24 10:25 am
Stephen Gao (sgao):
Approved for
RGEOENG Chair
2. 05/20/24 3:05 pm
Crystal Wilson
(wilsoncry):
Rollback to
RGEOENG Chair for
CCC Secretary
3. 06/24/24 3:46 pm
Crystal Wilson
(wilsoncry):
Rollback to Initiator
4. 07/03/25 3:37 pm
Stephen Gao (sgao):
Rollback to Initiator
5. 07/03/25 3:46 pm
Stephen Gao (sgao):
Approved for

RGEOSENG Chair

6. 07/09/25 10:38 am
Jade McCain
(jm558v): Approved
for CCC Secretary

7. 07/25/25 10:27 am
Kelly Liu (liukh):
Approved for
Engineering DSCC
Chair

8. 07/25/25 12:11 pm
Jade McCain
(jm558v): Approved
for Pending CCC
Agenda post

History

1. Mar 4, 2020 by
Sharon Lauck
(laucks)
2. Mar 4, 2021 by
Sharon Lauck
(laucks)

Geophysics Graduate CT

CIP Code 40.0603 - Geophysics and Seismology.

Intended Audience

[Distance \(online\) Students](#)

[Main Campus Students](#)

Program Requirements and Description

Geophysics

The graduate certificate in Geophysics is designed to provide graduate students who want to emphasize this area of research with course guidance and a formal recognition. A certificate in Geophysics will give students an advantage when applying for careers in oil and gas, mining, and other fields.

The Geophysics Certificate Program is open to all persons holding a B.S., M.S., or Ph.D. degree in Geology,

Geophysics, Geological Engineering, Petroleum Engineering, or Civil Engineering or are currently accepted into a graduate degree program in one of these fields at Missouri S&T. Once admitted to the program, the student must take the four designated courses (provided in the curriculum section). In order to receive a Graduate Certificate, the student must have an average cumulative grade point of 3.0 or better in the certificate courses. ~~courses.~~ ~~Once admitted to the program, a student will be given three years to complete the program.~~ Once admitted to the program, a student will be given six years to complete the program.

Students admitted to the Geophysics Certificate Program will have non-degree graduate status, however, they will earn graduate credit for the courses they complete. If the student completes the four-course sequence with a grade of B or better in each of the courses taken, they, upon application, will be admitted to the non-thesis M.S. degree program in Geology and Geophysics. The certificate credits taken by the students admitted to the M.S. degree program will count towards their master's degree. Students who do not have all of the prerequisite courses necessary to begin the courses in the Geophysics Certificate Program will be allowed to take "bridge" courses at either the graduate or undergraduate level to prepare for the formal certificate courses.

Four of the following courses are required:

<u>GEOPHYS 4231</u>	Seismic Interpretation	3
<u>GEOPHYS 5096</u>	Global Tectonics	3
<u>or</u>		
<u>GEOLOGY 6331</u>	<u>Geotectonics</u>	
<u>GEOPHYS 5202</u>	Exploration and Development Seismology	3
<u>GEOPHYS 5211</u>	Seismic Stratigraphy	3
<u>GEOPHYS 5221</u>	Wave Propagation	3
<u>GEOPHYS 5231</u>	Seismic Data Processing	3
<u>GEOPHYS 5241</u>	Advanced Electrical And Electromagnetic Methds In Geophysical Exp	3
<u>GEOPHYS 5261</u>	Computational Geophysics	3
<u>GEOPHYS 5736</u>	Geophysical Field Methods	3
<u>GEOPHYS 5761</u>	Transportation Applications of Geophysics	3
<u>GEOPHYS 5782</u>	Environmental and Engineering Geophysics	3
<u>GEOPHYS 6211</u>	Advanced Seismic Interpretation	3
<u>GEOPHYS 6231</u>	Advanced Seismic Data Processing	3
<u>GEOPHYS 6241</u>	The Theory of Elastic Waves	3
<u>GEOPHYS 6251</u>	Geophysical Inverse Theory	3
<u>GEO ENG 6782</u>	Surface Waves (MASW) and Ground Penetrating Radar (GPR)	3

<u>GEOPHYS 6221</u>	<u>Advanced Geophysical Data Analysis</u>	<u>3</u>
<u>GEO ENG 6784</u>	<u>Advanced Engineering And Environmental Geophysics</u>	<u>3</u>

Justification for request

- Add GEOPHYS 6221: Advanced Geophysical Data Analysis.
This is a recently developed course with an established online component designed to address current trends and advancements in geophysics. Its content is highly relevant to the geophysics certificate program.
- Change “GEOPHYS 5096” to “GEOPHYS 5096 or GEOLOGY 6331”.
GEOPHYS 5096 and GEOLOGY 6331 have been co-taught for the past 15 years.
- Add GEO ENG 6784: Advanced Engineering and Environmental Geophysics.
This is a key Geophysics course. It is taught on a regular basis and as both an on-campus and a distance course.

Attach Budget

System Approval Letter [Geophysics Graduate Certificate-Revised Proposal.pdf](#)

MDHE Approval

Supporting Documents [~~MS&T PC November 2020.pdf~~](#)

Reviewer Comments

- Crystal Wilson (wilsoncry) (05/20/24 3:05 pm):** Rollback: Please update start term to fall 2025. Please attach approval paperwork from department, graduate education, and provost office.
cw 5/20/24
- Crystal Wilson (wilsoncry) (06/24/24 3:46 pm):** Rollback: Rollback per department request.
- Stephen Gao (sgao) (07/03/25 3:37 pm):** Rollback: Add justifications for Geophys 6221
- Jade McCain (jm558v) (07/08/25 8:29 am):** Change the start term to Fall 2026 per CCC deadlines.

Experimental Change Request

New Proposal

Date Submitted: 06/04/25 12:25 pm

Viewing: **AERO ENG 5001.018: Numerical Optimization in Dynamic Systems and Control**

Last edit: 07/03/25 8:45 am

Changes proposed by: Nishant Kumar (nkwtb)

Requested Effective Date	Spring 2026
Department	Mechanical & Aerospace Engineering (RMECHENG)
Discipline	Aerospace Engineering (AERO ENG)
Course Number	5001
Topic ID	018
Experimental Title	Numerical Optimization in Dynamic Systems and Control
Experimental Abbreviated Course Title	Numr Opm Dyn Sys & Cntrl
Co-Listed Course	MECH ENG 5001 - Special Topics
Instructors	Dr. Chaoying Pei
Experimental Catalog Description	This course covers numerical optimization techniques for solving control problems in dynamic systems governed by differential equations. The focus is on direct methods for trajectory optimization, model predictive control, and constrained nonlinear programming. Applications include robotics, aerospace systems, and real-time control.
Prerequisite(s)	Math 3108; Mech Eng 3313 OR Aero Eng 3613.
Corequisite(s)	
Field Trip Statement	
Credit Hours	

In Workflow

- 1. RMECHENG Chair
- 2. CCC Secretary
- 3. Engineering DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. CAT entry
- 8. Registrar

Approval Path

- 1. 06/04/25 1:21 pm
David Bayless (djbkqf): Approved for RMECHENG Chair
- 2. 06/04/25 3:13 pm
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 07/01/25 3:12 pm
Kelly Liu (liukh): Approved for Engineering DSCC Chair
- 4. 07/25/25 12:10 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Credit Type

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total:	3
Required for Majors	No
Elective for Majors	Yes
Grading Basis	Graded
Repeatable	No
Justification for experimental course:	A course like this was needed for our MAE graduate students. Our new faculty, Dr. Pei has proposed this course and will like to teach this in SP26.
Reviewer Comments	Jade McCain (jm558v) (06/04/25 1:31 pm): Added grading basis and corrected prerequisite formatting. Jade McCain (jm558v) (07/03/25 8:45 am): Added Topic ID.

Experimental Change Request

New Proposal

Date Submitted: 07/08/25 11:24 am

Viewing: **BIO SCI 5001.029: Fish Biology**

Last edit: 07/22/25 1:05 pm

Changes proposed by: Katie Shannon (shannonk)

Requested Effective Date

Spring 2026

Department

Biological Sciences (RBIOLSCI)

Discipline

Biological Sciences (BIO SCI)

Course Number

5001

Topic ID

029

Experimental Title

Fish Biology

Experimental Abbreviated Course Title

Fish Biology

Co-Listed Course

Instructors

Nick Girondo

Experimental Catalog Description

An introduction to evolutionary relationships, ecology, morphology, physiology and behavior of fishes. Focuses on anatomy, taxonomy, and identification of species with an emphasis on regional fauna.

Prerequisite(s)

Bio Sci 1113 or Bio Sci 1213; and Bio Sci 1219, and Bio Sci 1223, and Bio Sci 1229.

Corequisite(s)

Field Trip Statement

- In Workflow
1. RBIOLSCI Chair

2. CCC Secretary

3. Sciences DSCC Chair

4. Pending CCC Agenda post

5. CCC Meeting Agenda

6. Campus Curricula Committee Chair

7. CAT entry

8. Registrar

- Approval Path
1. 07/11/25 9:00 am
David Duvernell (duvernelld):
Approved for
RBIOLSCI Chair

2. 07/14/25 8:46 am
Jade McCain (jm558v): Approved
for CCC Secretary

3. 07/22/25 12:20 pm
Katie Shannon (shannonk):
Approved for
Sciences DSCC Chair

4. 07/25/25 12:10 pm
Jade McCain (jm558v): Approved
for Pending CCC
Agenda post

Credit Hours	
Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors	No
Elective for Majors	Yes
Grading Basis	Graded
Repeatable	No
Justification for experimental course:	Need a lecture course without a lab during Schrenk renovation
Reviewer	Jade McCain (jm558v) (07/14/25 8:45 am): Added grading basis.
Comments	Jade McCain (jm558v) (07/22/25 1:05 pm): Added Topic ID.

Experimental Change Request

New Proposal

Date Submitted: 07/03/25 5:54 pm

Viewing: **BIO SCI 6001.022: Drugs We Use and Abuse**

Last edit: 07/22/25 1:08 pm

Changes proposed by: Katie Shannon (shannonk)

Requested Effective Date

Spring 2026

Department

Biological Sciences (RBIOLSCI)

Discipline

Biological Sciences (BIO SCI)

Course Number

6001

Topic ID

022

Experimental Title

Drugs We Use and Abuse

Experimental Title

Drugs We Use and Abuse

Abbreviated Course Title

Co-Listed Course

Instructors

Gina Yosten

Experimental Catalog Description

Examines the pharmacological properties, mechanisms of action, and physiological effects of drugs commonly used or misused by humans. Emphasizes the biological basis of drug actions, interactions with physiological systems, and principles of pharmacokinetics and pharmacodynamics.

Prerequisite(s)

Corequisite(s)

Field Trip Statement

In Workflow

- 1. RBIOLSCI Chair
- 2. CCC Secretary
- 3. Sciences DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. CAT entry
- 8. Registrar

Approval Path

- 1. 07/03/25 5:54 pm
Gina Yosten (gyxmr): Approved for RBIOLSCI Chair
- 2. 07/07/25 8:42 am
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 07/22/25 12:20 pm
Katie Shannon (shannonk): Approved for Sciences DSCC Chair
- 4. 07/25/25 12:10 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors	No
Elective for Majors	Yes
Grading Basis	Graded
Repeatable	No
Justification for experimental course:	new course for PhD students in Pharmacology.
Reviewer	Jade McCain (jm558v) (07/07/25 8:42 am): Added grading basis.
Comments	Jade McCain (jm558v) (07/22/25 1:08 pm): Added Topic ID.

Experimental Change Request

New Proposal

Date Submitted: 07/03/25 5:55 pm

Viewing: **BIO SCI 6001.023: Analysis, Interpretation, and Presentation of Biological Data**

Last edit: 07/22/25 1:09 pm

Changes proposed by: Katie Shannon (shannonk)

Requested Effective Date

Spring 2026

Department

Biological Sciences (RBIOLSCI)

Discipline

Biological Sciences (BIO SCI)

Course Number

6001

Topic ID

023

Experimental Title

Analysis, Interpretation, and Presentation of Biological Data

Experimental Abbreviated Course Title

Biological Data

Co-Listed Course

Instructors

Gina Yosten

Experimental Catalog Description

Introduces best practices for the management of biological data, including data generation and collection, biostatistical analysis, hypothesis testing, and interpretation of results. Emphasizes practical skills in applying statistical tools and effectively presenting biological data to enhance rigor and reproducibility of biological experiments.

Prerequisite(s)

Corequisite(s)

Field Trip Statement

Credit Hours

In Workflow

1. RBIOLSCI Chair

2. CCC Secretary

3. Sciences DSCC Chair

4. Pending CCC Agenda post

5. CCC Meeting Agenda

6. Campus Curricula Committee Chair

7. CAT entry

8. Registrar

Approval Path

1. 07/03/25 5:58 pm
Gina Yosten (gyxmr): Approved for RBIOLSCI Chair

2. 07/07/25 8:44 am
Jade McCain (jm558v): Approved for CCC Secretary

3. 07/22/25 12:20 pm
Katie Shannon (shannonk): Approved for Sciences DSCC Chair

4. 07/25/25 12:10 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Credit Type	Credit Hours
Lecture	3

Total:	3
Required for Majors	No
Elective for Majors	Yes
Grading Basis	Graded
Repeatable	No
Justification for experimental course:	New course for PhD program.
Reviewer	Jade McCain (jm558v) (07/07/25 8:43 am): Added grading basis.
Comments	Jade McCain (jm558v) (07/22/25 1:09 pm): Added Topic ID.

Experimental Change Request

New Proposal

Date Submitted: 06/11/25 8:15 am

Viewing: **ENG MGT 5001.002: Team Innovation Projects**

Last edit: 07/14/25 2:16 pm

Changes proposed by: David Enke (enke)

Requested Effective Date	Fall 2025
Department	Engineering Mgt & Sys Engr (RENGMNGT)
Discipline	Engineering Management (ENG MGT)
Course Number	5001
Topic ID	002
Experimental Title	Team Innovation Projects
Experimental Abbreviated Course Title	Team Innovation Projects
Co-Listed Course	SYS ENG 5001 - Special Topics BUS 5001 - Special Topics ERP 5001 - Special Topics FINANCE 5001 - Special Topics IS&T 5001 - Special Topics MKT 5001 - Special Topics
Instructors	TBD
Experimental Catalog Description	This capstone course provides students with an immersive, team-based experience in cross-disciplinary innovation. Students collaborate in diverse, interdisciplinary teams to identify opportunities, develop innovative solutions, and translate them into actionable business or societal impact. Drawing on principles of design thinking, lean startup methodology, systems innovation, AI, information systems, and project management, teams will address real-world challenges aligned with economic development, sustainability, or emerging technologies. Students will engage with industry mentors, conduct stakeholder interviews, iterate prototypes/solutions, and deliver a final pitch/presentation to a panel of faculty and external reviewers.
Prerequisite(s)	Program or instructor approval. Open to students from all Missouri S&T programs and

In Workflow

1. **RENGMNGT Chair**
2. **CCC Secretary**
3. **RBUS&IT Chair**
4. **CCC Secretary**
5. **Social Sciences DSCC Chair**
6. **Engineering DSCC Chair**
7. **Pending CCC Agenda post**
8. **CCC Meeting Agenda**
9. Campus Curricula Committee Chair
10. CAT entry
11. Registrar

Approval Path

1. 06/23/25 4:31 pm
Amaury Lendasse (altmg): Approved for RENG MNGT Chair
2. 06/24/25 9:07 am
Crystal Wilson (wilsoncry): Approved for CCC Secretary
3. 06/26/25 3:05 pm
Cassie Elrod (cassa): Approved for RBUS&IT Chair
4. 06/26/25 3:11 pm
Jade McCain (jm558v): Approved for CCC Secretary
5. 06/27/25 8:46 am
Cecil Eng Huang Chua (cchua): Approved for Social Sciences DSCC Chair

disciplines with instructor approval.

Corequisite(s)

Field Trip

Statement

Credit Hours

6. 07/10/25 4:52 pm

Kelly Liu (liukh):

Approved for

Engineering DSCC

Chair

7. 07/25/25 12:11 pm

Jade McCain

(jm558v): Approved

for Pending CCC

Agenda post

Credit Type	Credit Hours
Lecture	1.5
Laboratory	1.5

Total: 3.0

Required for Majors No

Elective for Majors Yes

Grading Basis Graded

Repeatable No

Justification for experimental course: This course embodies the Kummer College’s mission to prepare leaders who transform ideas into scalable solutions that drive innovation, entrepreneurship, and economic development. The interdisciplinary nature of the course will allow all students at Missouri S&T to have the opportunity to contribute to the building of an entrepreneurial ecosystem while learning and utilizing critical management, business, and technical skills.

Reviewer **Jade McCain (jm558v) (06/26/25 1:06 pm):** Removed ECON 5001 as a co-list per department request via email on 6/26.

Comments **Jade McCain (jm558v) (07/14/25 2:16 pm):** Added Topic ID.

Experimental Change Request

New Proposal

Date Submitted: 05/20/25 2:33 pm

Viewing: **HISTORY 4001.048: Leadership in History**

Last edit: 05/30/25 1:41 pm

Changes proposed by: Shannon Fogg (sfogg)

Requested Effective Date

Spring 2026

Department

History & Political Science (RHISTORY)

Discipline

History (HISTORY)

Course Number

4001

Topic ID

048

Experimental Title

Leadership in History

Experimental Abbreviated Course Title

Leadership in History

Co-Listed Course

Instructors

Samuel Mahaney

Experimental Catalog Description

This course delves into the foundational principles of effective leadership, examined through the perspectives of distinguished historical figures.

Prerequisite(s)

History 1100 or History 1200 or History 1300 or History 1310 or Pol Sci 1200.

Corequisite(s)

Field Trip Statement

- In Workflow
1. RHISTORY Chair

2. CCC Secretary

3. Arts & Humanities DSCC Chair

4. Pending CCC Agenda post

5. CCC Meeting Agenda

6. Campus Curricula Committee Chair

7. CAT entry

8. Registrar

- Approval Path
1. 05/20/25 2:37 pm
Shannon Fogg (sfogg): Approved for RHISTORY Chair

2. 05/20/25 3:11 pm
Jade McCain (jm558v): Approved for CCC Secretary

3. 05/20/25 3:29 pm
Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair

4. 07/25/25 12:11 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Credit Hours	
Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors	No
Elective for Majors	Yes
Grading Basis	Graded
Repeatable	No
Justification for experimental course:	The department will have multiple faculty members on leave or reduced courseloads and this course allows a lecturer to offer a course in his area of specialization. Additionally, the course may be used by students pursuing an emphasis area in National Security.
Reviewer	Jade McCain (jm558v) (05/20/25 3:10 pm): Added grading basis.
Comments	Jade McCain (jm558v) (05/30/25 1:41 pm): Added Topic ID.

Experimental Change Request

New Proposal

Date Submitted: 05/20/25 3:33 pm

Viewing: **HISTORY 4001.049: France and the Second World War**

Last edit: 05/30/25 1:42 pm

Changes proposed by: Shannon Fogg (sfogg)

Requested Effective Date	Spring 2026
Department	History & Political Science (RHISTORY)
Discipline	History (HISTORY)
Course Number	4001
Topic ID	049
Experimental Title	France and the Second World War
Experimental Abbreviated Course Title	France and WWII
Co-Listed Course	
Instructors	Shannon Fogg
Experimental Catalog Description	This seminar-style course will examine the complex history of France during the Second World War. It will cover topics such as the French defeat, resistance against the occupation, collaboration with the Nazis, the Holocaust in France, culture during the war, the effects of war on French colonies, and civilians' daily lives.
Prerequisite(s)	History 1200 or History 1310.
Corequisite(s)	
Field Trip Statement	
Credit Hours	

In Workflow

- 1. RHISTORY Chair
- 2. CCC Secretary
- 3. Arts & Humanities DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. CAT entry
- 8. Registrar

Approval Path

- 1. 05/20/25 3:35 pm
Shannon Fogg (sfogg): Approved for RHISTORY Chair
- 2. 05/23/25 3:22 pm
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 05/23/25 3:38 pm
Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
- 4. 07/25/25 12:11 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Credit Type

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total:	3
Required for Majors	No
Elective for Majors	Yes
Grading Basis	Graded
Repeatable	No
Justification for experimental course:	This will expand our range of upper-level European history courses and contribute to our classes in war studies. Students may use this towards the National Security emphasis area.
Reviewer	Jade McCain (jm558v) (05/23/25 1:50 pm): Added grading basis.
Comments	Jade McCain (jm558v) (05/30/25 1:42 pm): Added topic ID.

Experimental Change Request

New Proposal

Date Submitted: 05/15/25 12:10 pm

Viewing: **MECH ENG 5001.45: Biomanufacturing and Biofabrication for Mechanical Engineers**

Last edit: 06/05/25 10:59 am

Changes proposed by: Nishant Kumar (nkwtb)

Requested Effective Date	Fall 2025
Department	Mechanical & Aerospace Engineering (RMECHENG)
Discipline	Mechanical Engineering (MECH ENG)
Course Number	5001
Topic ID	45
Experimental Title	Biomanufacturing and Biofabrication for Mechanical Engineers
Experimental Abbreviated Course Title	BioMftr & BioFab for MEs
Co-Listed Course	
Instructors	Fateme Fayyazbakhsh
Experimental Catalog Description	This course introduces mechanical engineering students to the interdisciplinary domains of biomanufacturing and biofabrication, where biology, mechanics, and process design intersect. The course explores biological product synthesis and biofabricated structures mainly across healthcare and biomedical industries.
Prerequisite(s)	Mech Eng 3131 and Mech Eng 3525.
Corequisite(s)	
Field Trip Statement	
Credit Hours	

In Workflow

- 1. RMECHENG Chair
- 2. CCC Secretary
- 3. Engineering DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. CAT entry
- 8. Registrar

Approval Path

- 1. 05/15/25 12:47 pm
David Bayless (djbkqf): Approved for RMECHENG Chair
- 2. 05/20/25 3:13 pm
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 06/02/25 1:18 pm
Kelly Liu (liukh): Approved for Engineering DSCC Chair
- 4. 07/25/25 12:11 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Credit Type

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total: 3

Required for Majors No

Elective for Majors Yes

Grading Basis Graded

Repeatable No

Justification for experimental course: Dr. Fayyazbakhsh is a new tenure track faculty and has proposed this course. A new course, the first of its kind for MAE students.

Reviewer **Jade McCain (jm558v) (05/20/25 3:12 pm):** Corrected formatting and added grading basis.

Comments **Jade McCain (jm558v) (06/05/25 10:59 am):** Added Topic ID.

Experimental Change Request

New Proposal

Date Submitted: 06/02/25 1:54 pm

Viewing: **MIN ENG 6001.036: Advanced Mining Economics and Risks Management**

Last edit: 07/09/25 2:28 pm

Changes proposed by: Stephen Casey (caseysc)

Requested Effective Date	Fall 2025
Department	Mining and Explosives Engineering (RMINENG)
Discipline	Mining Engineering (MIN ENG)
Course Number	6001
Topic ID	036
Experimental Title	Advanced Mining Economics and Risks Management
Experimental Abbreviated Course Title	Adv Mining Econ & Risks
Co-Listed Course	
Instructors	Dr. Samuel Frimpong
Experimental Catalog Description	Principles and practice of economic systems. Economic value proposition using the discounted cash flow, capital asset pricing and derivative resources valuation methods. Mining project uncertainty and risks exposure, stochastic simulation and risks characterization, project risks management and financing strategies.
Prerequisite(s)	Graduate Standing and/or Consent of Instructor.
Corequisite(s)	
Field Trip Statement	
Credit Hours	

In Workflow

- 1. RMINENG Chair
- 2. CCC Secretary
- 3. Engineering DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. CAT entry
- 8. Registrar
- 9. Peoplesoft

Approval Path

- 1. 06/23/25 1:49 pm
Kwame Awuah-Offei (kabp3): Approved for RMINENG Chair
- 2. 06/23/25 2:11 pm
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 07/01/25 3:13 pm
Kelly Liu (liukh): Approved for Engineering DSCC Chair
- 4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Credit Type

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total:	3
Required for Majors	No
Elective for Majors	Yes
Grading Basis	Graded
Repeatable	No
Justification for experimental course:	Offer an advanced Mining Engineering course on topic of economics and risk management.
Reviewer	Jade McCain (jm558v) (06/23/25 2:10 pm): Added grading basis and punctuation.
Comments	Jade McCain (jm558v) (07/09/25 2:28 pm): Added Topic ID.

Experimental Change Request

New Proposal

Date Submitted: 05/09/25 10:03 am

Viewing: **PHYSICS 5001.005: Quantum Science and Technology**

Last edit: 06/10/25 3:05 pm

Changes proposed by: Thomas Vojta (vojtat)

Requested Effective Date	Fall 2025
Department	Physics (RPHYSICS)
Discipline	Physics (PHYSICS)
Course Number	5001
Topic ID	005
Experimental Title	Quantum Science and Technology
Experimental Abbreviated Course Title	Quantum Science and Tech
Co-Listed Course	
Instructors	Dr. Symeon Mystakidis
Experimental Catalog Description	This seminar-style course introduces students to the foundations and frontiers of quantum science and technology. It explores essential concepts in quantum mechanics, mathematical tools, and engineering challenges associated with quantum platforms. The course also surveys transformative applications in areas such as many-body dynamics, quantum chemistry, quantum sensing, and quantum computing.
Prerequisite(s)	Math 3304 and Physics 2305.
Corequisite(s)	
Field Trip Statement	
Credit Hours	

In Workflow

- 1. RPHYSICS Chair
- 2. CCC Secretary
- 3. Sciences DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. CAT entry
- 8. Registrar

Approval Path

- 1. 05/09/25 10:06 am
Thomas Vojta (vojtat): Approved for RPHYSICS Chair
- 2. 05/20/25 3:15 pm
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 06/10/25 3:01 pm
Katie Shannon (shannonk): Approved for Sciences DSCC Chair
- 4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Credit Type

Credit Hours

Credit Type	Credit Hours
Recitation/Seminar/Discussion	2

Total:	2
Required for Majors	No
Elective for Majors	Yes
Grading Basis	Graded
Repeatable	No
Justification for experimental course:	We are currently witnessing the "second quantum revolution": Quantum physics is transforming from an area of fundamental research to the center of a scientific and technological revolution. This seminar-style course introduces upper-level undergraduate and beginning graduate students to new developments in this fast-moving field. It helps bridging the gap between the regular classes on quantum physics and the current research frontiers as well as the needs of the developing quantum industry.
Reviewer	Jade McCain (jm558v) (05/20/25 3:14 pm): Added grading basis and corrected formatting.
Comments	Jade McCain (jm558v) (06/10/25 3:05 pm): Added Topic ID.

Experimental Change Request

New Proposal

Date Submitted: 07/01/25 3:03 am

Viewing: **PHYSICS 5001.006: Introduction to superconductivity**

Last edit: 07/22/25 1:20 pm

Changes proposed by: Thomas Vojta (vojtat)

Requested Effective Date	Spring 2026
Department	Physics (RPHYSICS)
Discipline	Physics (PHYSICS)
Course Number	5001
Topic ID	006
Experimental Title	Introduction to superconductivity
Experimental Abbreviated Course Title	Superconductivity
Co-Listed Course	
Instructors	Hyunsoo Kim
Experimental Catalog Description	An introduction to electromagnetism, thermodynamics, and semiclassical theory of superconductivity. Topics include London theory, Ginzburg-Landau theory, BCS theory, Josephson junction, unconventional superconductivity, high-Tc superconductivity, superconducting quantum computers, and experimental techniques for superconductivity research.
Prerequisite(s)	Physics 2305 or Physics 2311.
Corequisite(s)	
Field Trip Statement	
Credit Hours	

In Workflow

- 1. RPHYSICS Chair
- 2. CCC Secretary
- 3. Sciences DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. CAT entry
- 8. Registrar

Approval Path

- 1. 07/01/25 3:05 am
Thomas Vojta (vojtat): Approved for RPHYSICS Chair
- 2. 07/01/25 9:25 am
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 07/22/25 12:22 pm
Katie Shannon (shannonk): Approved for Sciences DSCC Chair
- 4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Credit Type

Credit Hours

Credit Type	Credit Hours
Lecture	3

Total:	3
Required for Majors	No
Elective for Majors	Yes
Grading Basis	Graded
Repeatable	No
Justification for experimental course:	Superconductivity is a quantum phenomenon that forms the basis of many current quantum technologies. The course is part of our expanding footprint in quantum science and technology. It will give students theoretical and practical experience in this important area.
Reviewer	Jade McCain (jm558v) (07/01/25 9:24 am): Added punctuation and grading basis.
Comments	Jade McCain (jm558v) (07/22/25 1:20 pm): Added Topic ID.

Experimental Change Request

New Proposal

Date Submitted: 05/19/25 8:51 am

Viewing: **PHYSICS 6001.009: Quantum Field Theory**

Last edit: 06/10/25 3:07 pm

Changes proposed by: Thomas Vojta (vojtat)

Requested Effective

Fall 2025

Date

Department

Physics (RPHYSICS)

Discipline

Physics (PHYSICS)

Course Number

6001

Topic ID

009

Experimental Title

Quantum Field Theory

Experimental

Quantum Field Theory

Abbreviated Course

Title

Co-Listed Course

Instructors

Dr. Ulrich Jentschura

Experimental

Catalog Description

This course introduces the quantum field-theoretical formalism, mainly on the basis of the electromagnetic field. First, field operators are derived in the nonrelativistic case to describe atoms interacting with quantized fields. Then, the relativistic formalism is introduced, and the Dirac (spin-1/2) field is treated. Positive-energy and negative-energy states are interpreted in terms of electrons and positrons. Feynman diagrams are introduced, and loop corrections are evaluated. including the quantum electrodynamic correction to the Coulomb force.

Prerequisite(s)

Physics 6111 and Physics 6201.

Corequisite(s)

Field Trip

Statement

Credit Hours

- In Workflow
1. RPHYSICS Chair

2. CCC Secretary

3. Sciences DSCC Chair

4. Pending CCC Agenda post

5. CCC Meeting Agenda

6. Campus Curricula Committee Chair

7. CAT entry

8. Registrar

- Approval Path
1. 05/19/25 10:13 am
Thomas Vojta (vojtat): Approved for RPHYSICS Chair

2. 05/20/25 3:16 pm
Jade McCain (jm558v): Approved for CCC Secretary

3. 06/10/25 3:01 pm
Katie Shannon (shannonk): Approved for Sciences DSCC Chair

4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Credit Type	Credit Hours
Lecture	3

Total:	3
Required for Majors	No
Elective for Majors	Yes
Grading Basis	Graded
Repeatable	No
Justification for experimental course:	Quantum field theory forms the basis of many modern developments in physics. This course will expand the topical course offerings for our PhD students.
Reviewer	Jade McCain (jm558v) (05/20/25 3:16 pm): Added grading basis and corrected formatting.
Comments	Jade McCain (jm558v) (06/10/25 3:07 pm): Added Topic ID.

Experimental Change Request

New Proposal

Date Submitted: 04/28/25 11:52 am

Viewing: **PSYCH 5001.005: Workplace Psychology for Business Leaders**

Last edit: 06/30/25 4:04 pm

Changes proposed by: Clair Kueny (reynoldscla)

Requested Effective Date	Spring 2026
Department	Psychological Science (RPSYCHOL)
Discipline	Psychology (PSYCH)
Course Number	5001
Topic ID	005
Experimental Title	Workplace Psychology for Business Leaders
Experimental Abbreviated Course Title	Psych for Business
Co-Listed Course	
Instructors	Susan Murray
Experimental Catalog Description	An applied survey of key topics from psychology as they relate to the modern business environment. This course explores the historical development of the American workplace and core I-O concepts including recruitment and personnel selection, performance measurement and management, training and development, and organizational culture. Special attention is given to supporting workers including the topics of labor relations, workplace health and safety, and legal frameworks influencing personnel decisions. This class is designed for future business leaders seeking to apply psychological science to build more effective, ethical, and resilient organizations.
Prerequisite(s)	Graduate Standing Outside of the Psychological Science Department.
Corequisite(s)	
Field Trip Statement	
Credit Hours	

In Workflow

- 1. RPSYCHOL Chair
- 2. CCC Secretary
- 3. Social Sciences DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. CAT entry
- 8. Registrar

Approval Path

- 1. 04/28/25 11:52 am
Clair Kueny (reynoldscla):
Approved for RPSYCHOL Chair
- 2. 04/30/25 8:52 am
Jade McCain (jm558v): Approved for CCC Secretary
- 3. 06/27/25 8:48 am
Cecil Eng Huang Chua (cchua):
Approved for Social Sciences DSCC Chair
- 4. 07/25/25 12:12 pm
Jade McCain (jm558v): Approved for Pending CCC Agenda post

Credit Type	Credit Hours
Lecture	3

Total:	3
Required for Majors	No
Elective for Majors	Yes
Grading Basis	Graded
Repeatable	No
Justification for experimental course:	The asynchronous MBA needs an asynchronous psychology course as part of its new STEM designation so we are creating this course for that newly designated program. This course will be tailored towards the MBA students and separate from what we cover in psychology graduate programs which may require more psychology foundation. Once taught multiple times, its course number will be Psych 5050
Reviewer	Jade McCain (jm558v) (04/30/25 8:51 am): Added grading basis.
Comments	Jade McCain (jm558v) (06/30/25 4:04 pm): Added Topic ID.

2025-2026 CCC Calendar



CCC Meetings are from 8:15am – 9:30am in Parker Hall 203 *(August 2025- December 2025)*

CCC INFORMATION	Department submission to Registrar <i>Fridays</i>	DSCC submission to Registrar <i>Fridays</i>	CCC Meeting <i>Tuesdays</i>	Faculty Senate Meeting <i>Thursdays</i>
EC forms for Fall 2025 & Affecting CC forms for Summer 2026 & Spring 2026	July 11, 2025	July 25, 2025	August 12, 2025	September 18, 2025
Non-affecting CC forms for Summer 2026 & Spring 2026	August 15, 2025	August 29, 2025	September 16, 2025	October 16, 2025
	September 19, 2025	October 3, 2025	October 21, 2025	November 20, 2025
Affecting CC forms for Fall 2026	October 17, 2025	October 31, 2025	November 18, 2025	December 18, 2025
EC forms for Spring 2026	December 5, 2025	December 19, 2025	January 13, 2026	February 12, 2026
	January 16, 2026	January 30, 2026	February 17, 2026	March 19, 2026
	February 13, 2026	February 27, 2026	March 17, 2026	April 16, 2026
DC forms for Fall 2026	March 6, 2026	March 20, 2026	April 14, 2026	May 14, 2026

Official dates and location for Spring 2026 CCC meetings will be determined at a later date.

2025-2026 CCC Calendar



EC forms for Summer 2026 & non-affecting CC forms for Fall 2026	April 3, 2026	April 17, 2026	May 5, 2026	June 18, 2026
EC forms for Fall 2026	TBD	TBD	TBD	TBD

Official dates and location for Spring 2026 CCC meetings will be determined at a later date.