



**Minutes of the Campus Curricula Committee Meeting
December 7, 2016
9:00a.m., 216 Parker Hall
(For Faculty Senate Meeting of January 26, 2017)**

Attendees: Ilene Morgan, Petra Dewitt, Steve Raper, Gearoid MacSithigh, Barry Flachsbart, Paul Worsey, Tom Schuman, and Kristy Giacomelli

The following curriculum forms were discussed and approved:

Course Change forms:

File# 625.1	FRENCH 2110: Basic French Conversation
File# 2425.1	GEO ENG 4010: Current Topics and Professionalism
File# 4364	IS&T 5131: Foundations of Computer Architecture
File# 4352.0	IS&T 5423: Foundations of Data Management
File# 4361.0	MECH ENG 5544: Non-Intrusive Measurement Methods
File# 1819.1	PHILOS 4320: Mind and Machines
File# 2510.0	PHILOS 4340: Social Ethics
File# 1822.1	PHILOS 4345: Philosophy of Science
File# 1824	PHILOS 4350: Environmental Ethics
File# 1826.1	PHILOS 4360: Foundations of Political Conflict
File# 127.1	PSYCH 4993: Psychology of Gender

Degree Change forms:

File# 141.14	AE ENG-BS: Aerospace Engineering BS
File# 90.20	MT ENG-BS: Metallurgical Engineering BS
File# 243.0	PSYCH-MI: Psychology for Health Care – Minor

Experimental Course forms:

File# 4347	BIO SCI 3001.001: Evolutionary Medicine
File# 4338	CHEM ENG 2001.002: Introduction to Phase Equilibrium
File# 4365	COMP SCI 6001.001: Applied Spatial and Temporal Data Analysis
File# 4345	GEOLOGY 6001.001: Cyclic Sedimentation and Stratigraphy
File# 4351	IS&T 5001.003 Foundations of Computer Architecture
File# 4333	MECH ENG 5001.003: Energy Efficiency of Vehicles



MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY

Formerly University of Missouri-Rolla

File# 4373
File# 4339

SPANISH 3001.001: Spanish Translation for Technical Applications
SYS ENG 6001.001: Advanced Computational Intelligence

The following forms were tabled pending further information.

File# 4342
File# 4319.0

ART 3100: Innovation Through Design Thinking
MIN ENG 6742: Integrating the National Environmental Policy Act
and Project Management

The meeting adjourned at 9:45 a.m.

A handwritten signature in cursive script, reading "Ilene H. Morgan".

Ilene H. Morgan, Chair
Missouri S&T Campus Curricula Committee

Course Inventory Change Request

Date Submitted: 10/25/16 7:32 am

Viewing: **FRENCH 2110 : Basic French Conversation**

File: 625.1

Last edit: 11/14/16 1:37 pm

Changes proposed by: audram

Programs [MUL&DIV-MI: Multiculture & Diversity Minor](#)
referencing this course

Requested Effective Change Date
Fall **2017** ~~2014~~

Department Arts, Languages, & Philosophy

Discipline French (FRENCH)

Course Number 2110

Title
Basic French Conversation

Abbreviated Course Title
Basic Fr Conversation

Catalog Description

In Workflow

1. **RPHILOSΟ 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. Ishelton
11. Peoplesoft

Approval Path

1. 10/25/16 8:13 am
Audra Merfeld-Langston
(audram):
Approved for RPHILOSΟ Chair
2. 10/25/16 8:27 am
Shauntae Ellis
(smetg6):
Approved for CCC Secretary
3. 10/25/16 9:44 am

- Petra Dewitt
(dewittp):
Approved for Arts
& Humanities
DSCC Chair
4. 11/08/16 12:00
pm
Shauntae Ellis
(smetg6):
Approved for
Pending CCC
Agenda post
5. 12/16/16 11:11
am
Kristy Giacomelli
(kristyg):
Approved for CCC
Meeting Agenda
6. 12/16/16 2:22 pm
Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

French conversation and oral practice.

Prerequisites French 1102.

Field Trip
Statement

Credit Hours LEC: ~~3~~ 2 LAB: 0 IND: 0 RSD: 0 Total: ~~3~~ 2

Required for
Majors No

Elective for
Majors No

Justification for
change: Course requires 3 credits' worth of work and will meet for 3 50-minute class periods
each week, rather than 2.

Semesters

previously
offered as an
experimental
course

Co-Listed

Courses:

Course Reviewer **smetg6 (10/25/16 8:27 am):** Changed start term to Spring 2017

Comments **kristyg (11/14/16 1:37 pm):** Change to Fall 2017, it missed the Spring 2017 deadline.

Key: 625

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 10/19/16 1:58 pm

Viewing: **GEO ENG 4010 : Current Topics and Professionalism Seminar**

File: 2425.1

Last edit: 10/19/16 1:58 pm

Changes proposed by: grotekr

Programs referencing this course [GE ENG-BS: Geological Engineering BS](#)

Other Courses referencing this course In The Catalog Description:
[GEOLOGY 4010 : Seminar](#)
[PET ENG 4010 : Ethics and Professionalism](#)

Requested Effective Change Date Fall **2017** ~~2014~~

Department Geosciences and Geological and Petroleum Engineering

Discipline Geological Engineering (GEO ENG)

Course Number 4010

Title **Current Topics and Professionalism Seminar**

Abbreviated Course Title Seminar

Catalog Description

In Workflow

1. **RGEOSENG 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. Ishelton
11. Peoplesoft

Approval Path

1. 10/19/16 2:27 pm Francisca Oboh-Ikuenobe (ikuenobe): Approved for RGEOSENG Chair
2. 10/19/16 2:37 pm Shauntae Ellis (smetg6): Approved for CCC Secretary
3. 10/28/16 4:17 pm sraper: Approved

- for Engineering
DSCC Chair
- 4. 11/08/16 12:00
pm
Shauntae Ellis
(smetg6):
Approved for
Pending CCC
Agenda post
- 5. 12/16/16 11:12
am
Kristy Giacomelli
(kristyg):
Approved for CCC
Meeting Agenda
- 6. 12/16/16 2:23 pm
Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

Discussion of current **topics, professionalism, and ethics.** ~~topics.~~ **Required for two semesters during senior year.** (Course cannot be used for graduate credit).

Prerequisites Senior standing.

Field Trip
Statement

Credit Hours LEC: 0 LAB: 0 IND: 0 RSD: .5 Total: 0.5

Required for Majors **Yes** ~~No~~

Elective for Majors No

Justification for change: Despite being co-listed for years, these courses have always been taught separately. These courses have different requirements in terms of content, student participation, and assignments.

Semesters

previously
offered as an
experimental
course

Co-Listed **GEOLOGY 4010 - Seminar**
Courses: **PET-ENG 4010 - Ethics and Professionalism**

Course Reviewer
Comments

Key: 2425
[Preview Bridge](#)

Course Inventory Change Request

New Course Proposal

Date Submitted: 10/13/16 1:41 pm

Viewing: **IS&T 5131 : Foundations of Computer Architecture**

File: 4364

Last edit: 12/09/16 3:05 pm

Changes proposed by: barryf

Requested	Fall 2017
Effective Change Date	
Department	Business and Information Technology
Discipline	Info Science & Technology (IS&T)
Course Number	5131
Title	Foundations of Computer Architecture
Abbreviated Course Title	Fndations Computer Arch

Catalog Description

In Workflow

1. RINFSCTE 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. Ishelton
11. Peoplesoft

Approval Path

1. 10/18/16 5:19 pm
siauk: Approved for RINFSCTE Chair
2. 10/19/16 8:20 am
Shauntae Ellis (smetg6):
Approved for CCC Secretary
3. 10/19/16 8:22 am
Barry Flachbart (barryf):
Approved for

Social Sciences
 DSCC Chair
 4. 11/08/16 12:56
 pm
 Shauntae Ellis
 (smetg6):
 Approved for
 Pending CCC
 Agenda post
 5. 12/16/16 11:13
 am
 Kristy Giacomelli
 (kristyg):
 Approved for CCC
 Meeting Agenda
 6. 12/16/16 2:23 pm
 Ilene Morgan
 (imorgan):
 Approved for
 Campus Curricula
 Committee Chair

Design-oriented foundations of computer components and operation. Standard codes; number systems; base conversions; computer arithmetic; boolean algebra; operating system components including memory management, device management; plus related computer architecture topics. Research paper required.

Prerequisites IS&T 1552 and graduate standing.

Field Trip
 Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Required for
 Majors No

Elective for
 Majors Yes

Justification for
 new course: A significant portion of our new graduate students, especially those from other disciplines, require this material. The number of such potential students has been growing.

This is a mirror course to IS&T 3131, with additional work for graduate students.

Semesters None

previously
offered as an
experimental
course

Co-Listed

Courses:

Course Reviewer **imorgan (12/09/16 3:05 pm):** Removed "consent of the instructor" from
Comments prerequisites.

Key: 4364

[Preview Bridge](#)

Course Inventory Change Request

New Course Proposal

Date Submitted: 10/13/16 1:41 pm

Viewing: **IS&T 5423 : Foundations of Data**

Management

File: 4352

Last edit: 12/09/16 3:06 pm

Changes proposed by: barryf

Requested Fall 2017

Effective Change

Date

Department Business and Information Technology

Discipline Info Science & Technology (IS&T)

Course Number 5423

Title

Foundations of Data Management

Abbreviated Foundations Data Mgmt

Course Title

Catalog

Description

In Workflow

1. RINFSCTE 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. Ishelton
11. Peoplesoft

Approval Path

1. 10/18/16 5:19 pm
siauk: Approved
for RINFSCTE
Chair
2. 10/19/16 8:20 am
Shauntae Ellis
(smetg6):
Approved for CCC
Secretary
3. 10/19/16 8:22 am
Barry Flachbart
(barryf):
Approved for

Social Sciences
 DSCC Chair
 4. 11/08/16 12:56
 pm
 Shauntae Ellis
 (smetg6):
 Approved for
 Pending CCC
 Agenda post
 5. 12/16/16 11:13
 am
 Kristy Giacomelli
 (kristyg):
 Approved for CCC
 Meeting Agenda
 6. 12/16/16 2:23 pm
 Ilene Morgan
 (imorgan):
 Approved for
 Campus Curricula
 Committee Chair

Foundational concepts of database management systems. Issues in database architecture, design, administration, and implementation. Extensive use of SQL with Oracle to create and manage databases. Significant project dealing with triggers or stored procedures.

Prerequisites IS&T 1750, IS&T 1552, and graduate standing.

Field Trip
 Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Required for
 Majors No

Elective for
 Majors Yes

Justification for
 new course: Many of our potential new students are otherwise well prepared for our M.S. program, but lack depth in database management. This course is designed to provide that foundation.

This is a mirror of IS&T 3423, but with a significant additional project for graduate students.

Semesters None

previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer **imorgan (12/09/16 3:06 pm):** Removed "consent of instructor" from the
Comments prerequisites.

Key: 4352

[Preview Bridge](#)

Course Inventory Change Request

New Course Proposal

Date Submitted: 10/03/16 4:45 pm

Viewing: **MECH ENG 5544 : Non-Intrusive**

Measurement Methods

File: 4361

Last edit: 11/14/16 1:39 pm

Changes proposed by: nisbett

Requested	Fall 2017
Effective Change Date	
Department	Mechanical & Aerospace Engineering
Discipline	Mechanical Engineering (MECH ENG)
Course Number	5544
Title	Non-Intrusive Measurement Methods
Abbreviated Course Title	Non-Intrusive Measuremnt

Catalog Description

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. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. Ishelton
11. Peoplesoft

Approval Path

1. 10/03/16 6:02 pm
James Drallmeier (drallmei):
Approved for RMECHENG Chair
2. 10/04/16 10:41 am
Shauntae Ellis (smetg6):
Approved for CCC Secretary
3. 10/18/16 4:28 pm
sraper: Approved

for Engineering
 DSCC Chair
 4. 11/08/16 12:57
 pm
 Shauntae Ellis
 (smetg6):
 Approved for
 Pending CCC
 Agenda post
 5. 12/16/16 11:13
 am
 Kristy Giacomelli
 (kristyg):
 Approved for CCC
 Meeting Agenda
 6. 12/16/16 2:23 pm
 Ilene Morgan
 (imorgan):
 Approved for
 Campus Curricula
 Committee Chair

Fundamentals of non-contact measurement methods for engineers. Basic engineering optics with a focus on radiation measurement methods including the effects of various sources and detectors.

Prerequisites Phys 2135; Mech 3525 or consent of instructor for non-Mech Eng majors

Field Trip
 Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Required for
 Majors No

Elective for
 Majors Yes

Justification for
 new course: This course has been offered twice with good interest, and addresses an important topic in current engineering practice and research.

Semesters Spring 2015, Spring 2016

previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer **kristyg (11/14/16 1:39 pm):** Change to Fall 2017, it missed the Spring 2017 deadline.
Comments

Key: 4361
[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 10/24/16 4:20 pm

Viewing: **PHILOS 4320 : Minds And Machines**

File: 1819.1

Last edit: 12/09/16 3:08 pm

Changes proposed by: dittmerj

Programs referencing this course
[PHILTCH-MI: Philosophy of Technology Minor](#)
[SCTCPL-MI: Science, Tech,& Politics Minor](#)

Requested Effective Change Date
 Fall **2017** ~~2014~~

Department Arts, Languages, & Philosophy

Discipline Philosophy (PHILOS)

Course Number 4320

Title
 Minds And Machines

Abbreviated Course Title
 Minds And Machines

Catalog Description

In Workflow

1. **RPHILOS 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. Ishelton
11. Peoplesoft

Approval Path

1. 10/25/16 8:10 am
 Audra Merfeld-Langston
 (audram):
 Approved for RPHILOS Chair
2. 10/25/16 8:28 am
 Shauntae Ellis
 (smetg6):
 Approved for CCC Secretary
3. 10/25/16 9:43 am

Petra Dewitt
(dewittp):
Approved for Arts
& Humanities
DSCC Chair

4. 11/08/16 12:58
pm
Shauntae Ellis
(smetg6):
Approved for
Pending CCC
Agenda post

5. 12/16/16 11:14
am
Kristy Giacomelli
(kristyg):
Approved for CCC
Meeting Agenda

6. 12/16/16 2:24 pm
Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

The course will be centered on the topic of artificial intelligence and the problems raised by contemporary attempts to simulate human thinking and perception in machines. Special emphasis will be placed on recent developments in psychology, physiology, cybernetics and computer technology.

Prerequisites Any ~~introductory (below 2000) level~~ philosophy course.

Field Trip
Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Required for
Majors No

Elective for
Majors No

Justification for change: To make wording of prerequisite more consistent with other courses.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer **smetg6 (10/25/16 8:28 am):** Changed start term to Sp 2017

Comments **kristyg (11/14/16 1:40 pm):** Change to Fall 2017, it missed the Spring 2017 deadline.

imorgan (12/09/16 3:08 pm): Modified wording of prerequisite.

Key: 1819

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 10/24/16 4:15 pm

Viewing: **PHILOS 4340 : Social Ethics**

File: 2510.1

Last edit: 12/09/16 3:08 pm

Changes proposed by: dittmerj

Programs referencing this course

- [CMP SC-BS: Computer Science BS](#)
- [ECON-BS: Economics BS](#)
- [ETHICS-MI: Ethics Minor](#)
- [MUL&DIV-MI: Multiculture & Diversity Minor](#)
- [PRE LAW-MI: Pre Law Minor](#)

Requested Effective Change Date: Fall **2017** ~~2014~~

Department: Arts, Languages, & Philosophy

Discipline: Philosophy (PHILOS)

Course Number: 4340

Title: Social Ethics

Abbreviated Course Title: Social Ethics

Catalog Description

In Workflow

1. **RPHILOS 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. Ishelton
11. Peoplesoft

Approval Path

1. 10/25/16 8:11 am
Audra Merfeld-Langston (audram):
Approved for RPHILOS Chair
2. 10/25/16 8:29 am
Shauntae Ellis (smetg6):
Approved for CCC Secretary
3. 10/25/16 9:43 am

- Petra Dewitt
(dewittp):
Approved for Arts
& Humanities
DSCC Chair
4. 10/26/16 8:37 am
Shauntae Ellis
(smetg6):
Rollback to Arts &
Humanities DSCC
Chair for Pending
CCC Agenda post
5. 10/26/16 9:55 am
Petra Dewitt
(dewittp):
Approved for Arts
& Humanities
DSCC Chair
6. 11/08/16 12:58
pm
Shauntae Ellis
(smetg6):
Approved for
Pending CCC
Agenda post
7. 12/16/16 11:14
am
Kristy Giacomelli
(kristyg):
Approved for CCC
Meeting Agenda
8. 12/16/16 2:24 pm
Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

This Communication Emphasized course discusses ~~Discussion of~~ ethical issues

confronting society and the arguments offered for alternative laws and public policies. Topics might include: freedom of speech/action, government regulation, welfare, capital punishment, euthanasia, abortion, the environment, affirmative action, just wars, foreign aid, world hunger.

Prerequisites Any **philosophy** ~~lower level ethics~~ course.

Field Trip

Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Required for
Majors No

Elective for
Majors No

Justification for
change: Change wording of prerequisite to make more consistent with similar courses.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer **smetg6 (10/25/16 8:28 am)**: Changed start term to SP 17
 Comments **smetg6 (10/26/16 8:37 am)**: Rollback: Requested by Joel Dittmer
dewittp (10/26/16 9:54 am): Added communication emphasized to description.
kristyg (11/14/16 1:40 pm): Change to Fall 2017, it missed the Spring 2017 deadline.
imorgan (12/09/16 3:08 pm): Modified wording of prerequisite.

Course Inventory Change Request

Date Submitted: 10/24/16 4:21 pm

Viewing: **PHILOS 4345 : Philosophy Of Science**

File: 1822.1

Last edit: 12/09/16 3:09 pm

Changes proposed by: dittmerj

Programs referencing this course

- [PHIL-BS: Philosophy BS](#)
- [PHILTCH-MI: Philosophy of Technology Minor](#)
- [PHYSIC-BS: Physics BS](#)
- [PRE LAW-MI: Pre Law Minor](#)
- [SCTCPL-MI: Science, Tech,& Politics Minor](#)

Requested Effective Change Date

Fall **2017** ~~2014~~

Department

Arts, Languages, & Philosophy

Discipline

Philosophy (PHILOS)

Course Number

4345

Title

Philosophy Of Science

Abbreviated Course Title

Philosophy Of Science

Catalog Description

In Workflow

1. **RPHILOS 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. Ishelton
11. Peoplesoft

Approval Path

1. 10/25/16 8:12 am
Audra Merfeld-Langston
(audram):
Approved for RPHILOS Chair
2. 10/25/16 8:29 am
Shauntae Ellis
(smetg6):
Approved for CCC Secretary
3. 10/25/16 9:42 am

Petra Dewitt
(dewittp):
Approved for Arts
& Humanities
DSCC Chair

4. 11/08/16 12:58
pm
Shauntae Ellis
(smetg6):
Approved for
Pending CCC
Agenda post

5. 12/16/16 11:14
am
Kristy Giacomelli
(kristyg):
Approved for CCC
Meeting Agenda

6. 12/16/16 2:24 pm
Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

An examination of the fundamental methods and assumptions of the sciences, with emphasis on scientific reasoning and theories.

Prerequisites Any ~~introductory (below 2000) level~~ philosophy course.

Field Trip
Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Required for
Majors No

Elective for
Majors No

Justification for
change: To make wording of prerequisite consistent with that of other courses.

Semesters

previously
offered as an
experimental
course
Co-Listed
Courses:

Course Reviewer **smetg6 (10/25/16 8:29 am):** Changed start term to Sp 17
Comments **kristyg (11/14/16 1:41 pm):** Change to Fall 2017, it missed the Spring 2017 deadline.
imorgan (12/09/16 3:09 pm): Modified wording of prerequisite.

Key: 1822

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 10/24/16 4:16 pm

Viewing: **PHILOS 4350 : Environmental Ethics**

File: 1824.1

Last edit: 12/09/16 3:09 pm

Changes proposed by: dittmerj

Programs referencing this course
[ETHICS-MI: Ethics Minor](#)
[PRE LAW-MI: Pre Law Minor](#)
[SCTCPL-MI: Science, Tech,& Politics Minor](#)

Requested Effective Change Date
 Fall **2017** ~~2014~~

Department Arts, Languages, & Philosophy

Discipline Philosophy (PHILOS)

Course Number 4350

Title
 Environmental Ethics

Abbreviated Course Title
 Environmental Ethics

Catalog Description

In Workflow

1. **RPHILOS 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. **Ishelton**
11. **Peoplesoft**

Approval Path

1. 10/25/16 8:12 am
 Audra Merfeld-Langston
 (audram):
 Approved for RPHILOS Chair
2. 10/25/16 8:29 am
 Shauntae Ellis
 (smetg6):
 Approved for CCC Secretary
3. 10/25/16 9:42 am

- Petra Dewitt
(dewittp):
Approved for Arts
& Humanities
DSCC Chair
4. 10/26/16 8:37 am
Shauntae Ellis
(smetg6):
Rollback to Arts &
Humanities DSCC
Chair for Pending
CCC Agenda post
5. 10/26/16 9:57 am
Petra Dewitt
(dewittp):
Approved for Arts
& Humanities
DSCC Chair
6. 11/08/16 12:58
pm
Shauntae Ellis
(smetg6):
Approved for
Pending CCC
Agenda post
7. 12/16/16 11:14
am
Kristy Giacomelli
(kristyg):
Approved for CCC
Meeting Agenda
8. 12/16/16 2:24 pm
Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

This Communication Emphasized course studies ~~Study of the~~ complex moral issues

concerning our relationship to the environment and the ethical foundations of our environmental responsibilities. Discussion topics include: conservation, preservation, resource development, pollution, toxic substances, future generations, endangered species, regulation, zoning, **and takings. takings, etc.**

Prerequisites Any ~~introductory (below 2000) level~~ philosophy course.

Field Trip

Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Required for
Majors No

Elective for
Majors No

Justification for
change: To make wording of prerequisite more consistent with similar courses.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer **smetg6 (10/25/16 8:29 am):** Changed start date to Sp 17
 Comments **smetg6 (10/26/16 8:37 am):** Rollback: Requested by Joel Dittmer
dewittp (10/26/16 9:57 am): Added communication emphasized to the description.
kristyg (11/14/16 1:41 pm): Change to Fall 2017, it missed the Spring 2017 deadline.
imorgan (12/09/16 3:09 pm): Modified wording of prerequisite.

Course Inventory Change Request

Date Submitted: 10/24/16 4:18 pm

Viewing: **PHILOS 4360 : Foundations Of Political Conflict**

File: 1826.1

Last edit: 12/09/16 3:10 pm

Changes proposed by: dittmerj

Programs referencing this course
[ETHICS-MI: Ethics Minor](#)
[PRE LAW-MI: Pre Law Minor](#)

Requested Effective Change Date
 Fall **2017** ~~2014~~

Department Arts, Languages, & Philosophy

Discipline Philosophy (PHILOS)

Course Number 4360

Title
 Foundations Of Political Conflict

Abbreviated Course Title
 Found-Political Conflict

Catalog Description

In Workflow

1. **RPHILOS 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. Ishelton
11. Peoplesoft

Approval Path

1. 10/25/16 8:13 am
Audra Merfeld-Langston (audram):
Approved for RPHILOS Chair
2. 10/25/16 8:30 am
Shauntae Ellis (smetg6):
Approved for CCC Secretary
3. 10/25/16 9:41 am

Petra Dewitt
(dewittp):
Approved for Arts
& Humanities
DSCC Chair
4. 11/08/16 12:59
pm
Shauntae Ellis
(smetg6):
Approved for
Pending CCC
Agenda post
5. 12/16/16 11:14
am
Kristy Giacomelli
(kristyg):
Approved for CCC
Meeting Agenda
6. 12/16/16 2:24 pm
Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

This course is designed as a survey of the philosophical foundation of major political systems. For example, communism, fascism, democracy. Materials will be drawn from relevant historical and/or contemporary sources.

Prerequisites Any **philosophy** introductory (below 2000) level **Philosophy** course.

Field Trip
Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Required for
Majors No

Elective for
Majors No

Justification for To make wording of prerequisite more consistent with similar courses.

change:

Semesters

previously

offered as an

experimental

course

Co-Listed

Courses:

Course Reviewer **smetg6 (10/25/16 8:30 am):** Changed start term to Sp 17

Comments **dewittp (10/25/16 9:41 am):** Changed to Spring 17

kristyg (11/14/16 1:42 pm): Change to Fall 2017, it missed the Spring 2017 deadline.

imorgan (12/09/16 3:10 pm): Modified wording of prerequisite.

Key: 1826

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 10/14/16 3:57 pm

Viewing: **PSYCH 4993 : Psychology of Gender ~~Women~~**

File: 127.1

Last edit: 10/20/16 3:19 pm

Changes proposed by: cundiffj

Programs referencing this course
[MUL&DIV-MI: Multiculture & Diversity Minor](#)
[PSYCH-BA: Psychology BA](#)
[PSYCH-BS: Psychology BS](#)

Requested Effective Change Date
 Fall **2017** ~~2014~~

Department Psychological Science

Discipline Psychology (PSYCH)

Course Number 4993

Title
 Psychology of **Gender** ~~Women~~

Abbreviated Course Title
 Psychology of **Gender**
~~Women~~

Catalog Description

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. Ishelton
11. Peoplesoft

Approval Path

1. 10/19/16 10:38 am
murray: Approved for RPSYCHOL Chair
2. 10/19/16 11:10 am
Shauntae Ellis (smetg6):
Approved for CCC Secretary
3. 10/20/16 3:19 pm
Shauntae Ellis

- (smetg6):
Approved for
Social Sciences
DSCC Chair
- 4. 11/08/16 12:59
pm
Shauntae Ellis
(smetg6):
Approved for
Pending CCC
Agenda post
- 5. 12/16/16 11:15
am
Kristy Giacomelli
(kristyg):
Approved for CCC
Meeting Agenda
- 6. 12/16/16 2:24 pm
Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

Overview ~~A history of current research and theory the psychology of women with a focus on the~~ **psychology of gender.** ~~latest research and theories in the field (e.g., research methods, gender theories, biological and social factors, communication and leadership styles, nature of interpersonal relationships, and health and mental issues).~~ **The course explores gender as a psychological and social construct that influences women's and men's lives across a variety of contexts including work, family, relationships, self-perceptions, and health. Considers how gender intersects with other social categories to shape experience.**

Prerequisites Psych 1101.

Field Trip
Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Required for
Majors No

Elective for
Majors

No

Justification for
change:

The new name and description better captures the scope of the course, which considers how gender affects women as well as men.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

smetg6 (10/20/16 3:19 pm): Approved via Dr. Flachsbart's request

Key: 127
[Preview Bridge](#)

Program Change Request

Date Submitted: 10/12/16 10:53 am

Viewing: **AE ENG-BS : Aerospace Engineering BS**

File: 141.14

Last approved: 07/14/15 1:53 pm

Last edit: 12/09/16 2:34 pm

Changes proposed by: smetg6

Catalog Pages [Aerospace Engineering](#)
Using this
Program

Start Term Fall **2017** ~~2015~~
Program Code AE ENG-BS
Department Mechanical & Aerospace Engineering
Title
Aerospace Engineering BS

Program Requirements and Description

Bachelor of Science Aerospace Engineering

Entering freshmen desiring to study aerospace engineering will be admitted to the Freshman Engineering Program. They will, however, be permitted, if they wish, to state an aerospace engineering preference, which will be used as a consideration for available freshman departmental scholarships. The focus of the Freshman Engineering Program is on enhanced advising and career counseling, with the goal of providing to the student the information necessary to make an informed decision regarding the choice of a major.

A Cumulative GPA of 2.5, and math science GPA of 2.25 are the minimum requirements for admission to the aerospace engineering program.

Students must comply with the requirements specified in the current online catalog published by the registrar. For the bachelor of science degree in aerospace engineering a minimum of 128 credit hours is required. These requirements are in addition to credit received for algebra, trigonometry, and basic ROTC courses. An average of at least two grade points per credit hour must be attained. At least two grade points per credit hour must also be attained in all courses taken in aerospace engineering. Each student's program of study must contain a minimum of 21 credit hours of course work in general education and must be chosen to satisfy the following requirements:

1. All students are required to take one American history course/political science course, one economics course, one humanities course, and [ENGLISH 1120](#). The history course is to be selected from [HISTORY 1200](#),

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. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. kristyg

Approval Path

1. 10/14/16 6:59 am
James Drallmeier (drallmei): Approved for RMECHENG Chair
2. 10/14/16 8:08 am
Shauntae Ellis (smetg6): Approved for CCC Secretary
3. 10/28/16 4:10 pm
srapr: Approved for Engineering DSCC Chair
4. 11/08/16 11:58 am
Shauntae Ellis (smetg6): Approved for Pending CCC Agenda post
5. 12/16/16 11:09 am
Kristy Giacomelli (kristyg): Approved for CCC Meeting Agenda
6. 12/16/16 2:22 pm
Ilene Morgan (imorgan): Approved for Campus Curricula Committee Chair

History

[HISTORY 1300](#), [HISTORY 1310](#), or [POL SCI 1200](#). The economics course may be either [ECON 1100](#) or [ECON 1200](#).

2. Depth requirement. Three credit hours must be taken in humanities or social sciences at the 2000-level or above and must be selected from "The Approved List of Humanities and Social Science Courses for Engineering Degrees" maintained by the office of undergraduate studies. This course must have as a prerequisite one of the humanities or social sciences courses already taken. Foreign language courses numbered 1180 will be considered to satisfy this requirement. Students may receive humanities credit for foreign language courses in their native tongue only if the course is at the 4000 level. All courses taken to satisfy the depth requirement must be taken after graduating from high school.
3. One course should be in the ethics area.
4. The remaining two courses are to be chosen from the list of approved humanities/social sciences courses and may include one communications course in addition to [ENGLISH 1120](#), and a literature course.
5. Any specific departmental requirements in the general studies area must be satisfied.
6. Special topics and special problems and honors seminars are allowed only by petition to and approval by the student's department chairman.

1. Apr 28, 2014 by nisbett
2. Aug 1, 2014 by pantaleoa
3. Jul 14, 2015 by pantaleoa

The aerospace engineering program at Missouri S&T is characterized by its focus on the scientific basics of engineering and its innovative application. Indeed, the underlying theme of this educational program is the application of the scientific basics to engineering practice through attention to problems and needs of the public. The necessary interrelations among the various topics, the engineering disciplines, and the other professions as they naturally come together in the solution of real world problems are emphasized as research, analysis, synthesis, and design are presented and discussed through classroom and laboratory instruction.

Free Electives Footnote:

Freshman Year			
First Semester	Credits	Second Semester	Credits
FR ENG 1100	1	MECH ENG 1720	3
CHEM 1310 & CHEM 1319 & CHEM 1100 ¹	6	MATH 1215 ⁴	4
ENGLISH 1120	3	PHYSICS 1135 ⁴	4
MATH 1214	4	H/SS Economics elective ³	3
H/SS History Elective ²	3		
	17		14
Sophomore Year			
First Semester	Credits	Second Semester	Credits
COMP SCI 1970 or 1971 ⁹	2	AERO ENG 2780	2
COMP SCI 1980 or 1981 ⁹	1	AERO ENG 2360 ⁴	3
CIV ENG 2200 ⁴	3	MECH ENG 2519 ⁴	3
MATH 2222 ⁴	4	MATH 3304 ⁴	3
PHYSICS 2135 ⁴	4	CIV ENG 2210 ⁴	3
AERO ENG 2861 ⁴	3	Elective/Literature	3
		AERO ENG 2790	2
	17		16
Junior Year			
First Semester	Credits	Second Semester	Credits
AERO ENG 3613 ⁴	3	AERO ENG 3251 ⁴	3
AERO ENG 3131 ⁴	3	AERO ENG 3361	3
AERO ENG 3877	3	AERO ENG 3171	3

ELEC ENG 2800	3	AERO ENG 4882	2
Electives-Advanced Math/Cmp Sc ⁵	3	Elective/Ethics ¹⁰	3
		Elective/Communications ⁷	3
	15		17
Senior Year			
First Semester	Credits	Second Semester	Credits
AERO ENG 4535	3	AERO ENG 4781 or 4791	3
AERO ENG 4253	3	Electives-Technical ⁶	3
AERO ENG 4780 or 4790	2	Electives-Technical ⁶	3
AERO ENG 4883	2	AERO ENG 4885	1
Electives-Technical ⁶	3	Electives-Free⁹	2
Elective upper level/Hum/Soc Sci ⁸	3	Electives-Hum/Soc Sci	3
		Elective/Literature	3
	16		16
Total Credits: 128			

- 1 [CHEM 1310](#), [CHEM 1319](#) and [CHEM 1100](#) or an equivalent training program approved by Missouri S&T.
- 2 Must be one of the following: [POL SCI 1200](#), [HISTORY 1200](#), [HISTORY 1300](#), or [HISTORY 1310](#).
- 3 Must be one of the following: [ECON 1100](#) or [ECON 1200](#).
- 4 A grade of "C" or better in [CHEM 1310](#), [MATH 1214](#), [MATH 1215](#), [MATH 2222](#), [MATH 3304](#), [PHYSICS 1135](#), [PHYSICS 2135](#), [CIV ENG 2200](#), [CIV ENG 2210](#), and computer programming elective, [AERO ENG 2360](#), [AERO ENG 2861](#), and [MECH ENG 2519](#), as prerequisite for follow-up courses in the curriculum and for graduation.
- 5 Must be one of the following: [AERO ENG 5830](#), [COMP SCI 3200](#), [MATH 3103](#), [MATH 3108](#), [STAT 3113](#), [STAT 3115](#), or any 5000-level math or computer science course approved by the student's advisor.
- 6 Electives must be approved by the student's advisor. Nine hours of technical electives must be in mechanical and aerospace engineering. Three hours of departmental technical electives must be at the 5000-level. [AERO ENG 3877](#) and the 5000-level Asteroid Mining course co-listed with geological engineering are not to be used for 5000-level technical elective.
- 7 This course can be selected from [ENGLISH 1160](#), [ENGLISH 3560](#), [SP&M S 1185](#), or the complete four-course sequence in advanced ROTC ([MIL ARMY 3250](#), [MIL ARMY 3500](#), [MIL ARMY 4250](#), and [MIL ARMY 4500](#); or [MIL AIR 3110](#), [MIL AIR 3120](#), [MIL AIR 4110](#) and [MIL AIR 4120](#)).
- 8 Choose 2000-or higher-level course from the approved list. One of the other courses taken in humanities/social science should be a prerequisite for this course.
- 9 Computer science requirement can be satisfied by taking [COMP SCI 1570](#) and [COMP SCI 1580](#).
- 10 Must be a course on engineering ethics, business ethics, bio ethics, social ethics, or any ethics course approved by the student's advisor.
- ~~11 Must be a course on engineering ethics, business ethics, bio ethics, social ethics, or any ethics course approved by the student's advisor.~~

Free electives. Each student is required to take two hours of free electives in consultation with his/her academic advisor. Credits which do not count towards this requirement are deficiency courses (such as algebra and trigonometry), and extra credits in required courses. **Note:** All aerospace engineering students must take and pass the aerospace engineering assessment exam prior to graduation.

Justification for request Introduction of new course. Removal of Free Elective. (made adjustments per S. Raper have attached DC Form illustrating requests)

Supporting
Documents

[DC form.pdf](#)

Course Reviewer
Comments

smetg6 (10/12/16 10:52 am): Rollback: Issues with course leaf please resubmit
imorgan (12/09/16 2:34 pm): Corrected footnotes based on CCC discussion.

Key: 141
[Review Bridge](#)

Program Change Request

Date Submitted: 10/06/16 8:32 am

Viewing: **MT ENG-BS : Metallurgical Engineering BS**

File: 90.20

Last approved: 03/07/16 2:04 pm

Last edit: 11/08/16 12:58 pm

Changes proposed by: smiller

Catalog Pages [Metallurgical Engineering](#)
Using this Program

Start Term **Fall 2017 08/22/2016**
Program Code MT ENG-BS
Department Materials Science & Engineering
Title Metallurgical Engineering BS

Program Requirements and Description

Bachelor of Science Metallurgical Engineering

Entering freshmen desiring to study metallurgical engineering will be admitted to the Freshman Engineering Program. They will be permitted to state a metallurgical engineering preference, which will be used as a consideration for available freshman departmental scholarships. The focus of the Freshman Engineering program is on enhanced advising and career counseling, with the goal of providing to the student the information necessary to make an informed decision regarding the choice of a major.

For the bachelor of science degree in metallurgical engineering a minimum of 128 credit hours is required. These requirements are in addition to credit received for algebra, trigonometry, and basic ROTC courses. A student must maintain an average of at least two grade points per credit hour in metallurgical engineering.

The metallurgical engineering curriculum contains a required number of hours in humanities and social sciences as specified by the Engineering Accreditation Commission of ABET. Each student's program of study must contain a minimum of 18 credit hours of course work from the humanities and the social sciences areas and should be chosen according to the following rules:

1. All students are required to take one American history course and one economics course. The history course is to be selected from [HISTORY 1200](#), [HISTORY 1300](#), [HISTORY 1310](#), or [POL SCI 1200](#). The economics course may be either [ECON 1100](#) or [ECON 1200](#).

In Workflow

1. [RMATSENG 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. [kristyg](#)

Approval Path

1. 10/06/16 8:54 am mjokeefe: Approved for RMATSENG Chair
2. 10/06/16 9:21 am Shauntae Ellis (smetg6): Approved for CCC Secretary
3. 10/18/16 4:27 pm sraper: Approved for Engineering DSCC Chair
4. 11/08/16 12:58 pm Shauntae Ellis (smetg6): Approved for Pending CCC Agenda post
5. 12/16/16 11:14 am Kristy Giacomelli (kristyg): Approved for CCC Meeting Agenda
6. 12/16/16 2:24 pm Ilene Morgan (imorgan): Approved for Campus Curricula Committee Chair

History

1. Oct 8, 2013 by

2. Of the remaining hours, six credit hours must be taken in humanities or social sciences from the approved list of humanities and social science (HSS) courses posted on the undergraduate studies website (<http://ugs.mst.edu>). Students may receive humanities credit for foreign language courses in their native tongue only if the course is at the 4000 level.)
3. Special topics, special problems courses and honors seminars are allowed only by petition to and approval by the student's department chair.

- [Lahne Black \(lahne\)](#)
- 2. [Apr 28, 2014 by Lahne Black \(lahne\)](#)
- 3. [Aug 14, 2014 by Lahne Black \(lahne\)](#)
- 4. [Aug 20, 2014 by pantaleoa](#)
- 5. [Aug 20, 2014 by pantaleoa](#)
- 6. [Aug 20, 2014 by pantaleoa](#)
- 7. [Jul 21, 2015 by pantaleoa](#)
- 8. [Mar 7, 2016 by smiller](#)

Freshman Year			
First Semester	Credits	Second Semester	Credits
FR ENG 1100	1	MET ENG 1210²	3
CHEM 1310	4	MATH 1215	4
CHEM 1319	1	PHYSICS 1135	4
MATH 1214	4	Hum/Soc Sci Elective ¹	3
ENGLISH 1120	3	MECH ENG 1720	3
Hum/Soc Sci Elective ¹	3		
	16		17
Sophomore Year			
First Semester	Credits	Second Semester	Credits
PHYSICS 2135	4	CER ENG 3230	3
MATH 2222	4	CIV ENG 2210	3
MET ENG 2110	3	MET ENG 2125	2
CIV ENG 2200	3	MET ENG 3130	3
Hum/Soc Sci Elective ¹	3	MET ENG 3420	3
		MET ENG 3425	1
		Hum/Soc Sci Elective ¹	3
	17		18
Junior Year			
First Semester	Credits	Second Semester	Credits
MET ENG 3320	3	ENG MGT 1100	1
MATH 3304³	3	ENG MGT 1210	2
MET ENG 3120	3	MET ENG 3225	1
MET ENG 3125	2	MET ENG 3220	3
MET ENG 4420	3	CER ENG 3410	3
Communication Elective ¹	3	Out of Department Technical Elective ⁴	3
		Core Elective I ⁵	3
	17		16

Senior Year			
First Semester	Credits	Second Semester	Credits
MET ENG 4096	3	MET ENG 4097	3
Statistics Course ³	3	Hum/Soc Sci Elective ¹	3
MET ENG 4350	3	Technical Elective ⁶	3
Core Elective II ⁵	3	Free Elective ⁷	3
Technical Elective ⁶	3		
	15		12
Total Credits: 128			

- ¹ Eighteen hours of required H/SS electives of which three hours must be history ([HISTORY 1200](#), [HISTORY 1300](#), [HISTORY 1310](#), or [POL SCI 1200](#)), three hours of economics ([ECON 1100](#) or [ECON 1200](#)) and three hours communications ([ENGLISH 1160](#), [ENGLISH 3560](#), or [SP&M S 1185](#))
- ² [CHEM 1320](#) can be substituted for [MET ENG 1210](#)
- ³ All metallurgical engineering students must take [MATH 3304](#) and one statistics course ([STAT 3113](#) or [STAT 3115](#))
- ⁴ [CER ENG 3220](#) or [CER ENG 5250](#) or [CER ENG 5115](#), [CHEM ENG 5320](#), [CHEM 2210](#) or [CHEM 2310](#) or [CHEM 3410](#), [ELEC ENG 2100](#) & [ELEC ENG 2101](#) or [ELEC ENG 2800](#), [GEOLOGY 2610](#), [MATH 3304](#) (if two stat courses taken³) or [MATH 5603](#) or [MATH 5325](#), [MECH ENG 5212](#) or [MECH ENG 5220](#) or [MECH ENG 5229](#) or [MECH ENG 5236](#) or [MECH ENG 5238](#) or [MECH ENG 5282](#), [MIN ENG 3412](#), [PHYSICS 2305](#) or [PHYSICS 2311](#)
- ⁵ Metallurgical Core Electives (9 hours) Core Elective I - Introduction to Particulate Materials ([MET ENG 5150](#)) or Corrosion And Its Prevention ([MET ENG 4230](#)) Core Elective II - Steelmaking ([MET ENG 4450](#)) or Steels And Their Treatment ([MET ENG 4320](#))
- ⁶ Technical Electives (MET ENG or approved listing)
- ⁷ Free Electives (3 hours)-algebra, trigonometry, basic ROTC, and courses considered remedial excluded

Justification for request Met Eng 4160 has been renumbered to Met Eng 5150

Supporting Documents

Course Reviewer **smetg6 (10/06/16 9:21 am):** Changed Start Date
 Comments **smetg6 (11/08/16 12:58 pm):** Updated date field to Fall 2017

Program Change Request

New Program Proposal

Date Submitted: 10/19/16 10:09 am

Viewing: **PSYCH-MI : Psychology for Health Care - Minor**

File: 243

Last edit: 11/14/16 2:05 pm

Changes proposed by: kleinb

Start Term	Fall 2017
Program Code	PSYCH-MI
Department	Psychological Science
Title	Psychology for Health Care - Minor

Program Requirements and Description

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. kristyg

Approval Path

1. 10/19/16 10:39 am murray: Approved for RPSYCHOL Chair
2. 10/19/16 11:10 am Shauntae Ellis (smetg6): Approved for CCC Secretary
3. 10/20/16 12:23 pm Barry Flachbart (barryf): Approved for Social Sciences DSCC Chair
4. 11/08/16 12:59 pm Shauntae Ellis (smetg6): Approved for Pending CCC Agenda post

Required Courses:		
PSYCH 1101	General Psychology	3
PSYCH 4600	Social Psychology	3
Choose 3 of the Following Courses:		
PSYCH 4411	Sensation and Perception	3
PSYCH 4410	Neuroscience	3
PSYCH 4400	Cognitive Psychology	3
PSYCH 4501	Abnormal Psychology	3
PSYCH 4590	Health Psychology	3

Justification for request We are proposing to add this new minor because of the recent increases in the amount of psychology information on the MCAT for students who want to attend medical school. This minor could be a great way for students who are applying to medical school to better prepare themselves both for the MCAT and for their future career. The courses selected for the minor reflect the specific content areas that have been added to the MCAT. Specifically, much information related to social psychology, sensation and perception, cognitive psychology, and neuroscience has been added. Our other course options, abnormal psychology and health psychology, will be beneficial to students in their future health-related professions.

Supporting Documents

Course Reviewer Comments **smetg6 (10/19/16 11:09 am):** Removed Proposed from program code replaced with PSYCH.
kristyg (11/14/16 2:05 pm): Changed this to reflect that this is for a Minor

Key: 243
[Preview Bridge](#)

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 09/29/16 4:09 pm

Viewing: **BIO SCI 3001.001 : Evolutionary Medicine**

File: 4347

Last edit: 11/01/16 9:00 am

Changes proposed by: niyogid

Requested 01/17/2017

Effective Change
Date

Department Biological Sciences

Discipline Biological Sciences (BIO SCI)

Course Number 3001

Topic ID 001

Experimental
Title

Evolutionary Medicine

Experimental Evolutionary Medicine

Abbreviated
Course Title

Instructors Chen Hou

Experimental
Catalog
Description

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. Registrar

Approval Path

1. 11/01/16 8:33 am
David
Westenberg
(djwesten):
Approved for
RBIOLSCI Chair
2. 11/01/16 9:00 am
Shauntae Ellis
(smetg6):
Approved for CCC
Secretary
3. 11/08/16 6:23 pm
Ilene Morgan
(imorgan):
Approved for
Sciences DSCC
Chair
4. 11/09/16 8:54 am
Shauntae Ellis

(smetg6):
 Approved for
 Pending CCC
 Agenda post

Evolutionary medicine investigates the ultimate (instead of proximate) causes of diseases. This course introduces the applications of evolution theories in epidemics, obesity, diabetes, cancer, cardiovascular diseases, and immune-senescence. Besides taking six lectures, students will take turns leading the discussions on recent literature in the field.

Prerequisites BioSci 2233.

Field Trip
 Statement

Credit Hours LEC: 2 LAB: 0 IND: 0 RSD: 0 Total: 2

Justification for new course: This new class is designed for undergraduates to explore a topic in more detail. Numerous pre-health students in the Biological Sciences Department will be interested in the class.

Semester(s) previously taught None

Co-Listed Courses:

Course Reviewer Comments **smetg6 (11/01/16 9:00 am):** Added a topic id, added a period to the prerequisites & fixed the title for both words to be capitalized.

Key: 4347
[Preview Bridge](#)

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 09/21/16 4:34 pm

Viewing: **CHEM ENG 2001.002 : Introduction to Phase Equilibrium**

File: 4338

Last edit: 12/08/16 10:08 am

Changes proposed by: forcinit

Requested	01/17/2017
Effective Change Date	
Department	Chemical and Biochemical Engineering
Discipline	Chemical Engineering (CHEM ENG)
Course Number	2001
Topic ID	002
Experimental Title	Introduction to Phase Equilibrium
Experimental Abbreviated Course Title	Phase Equilibrium
Instructors	Christi Luks

Experimental Catalog Description

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. **Registrar**

Approval Path

1. 10/13/16 3:16 pm
Shauntae Ellis (smetg6):
Approved for RCHEMENG Chair
2. 10/13/16 3:21 pm
Shauntae Ellis (smetg6):
Approved for CCC Secretary
3. 10/28/16 4:14 pm
sraaper: Approved for Engineering DSCC Chair
4. 11/08/16 11:59 am
Shauntae Ellis (smetg6):
Approved for

Pending CCC

Agenda post

This course is intended as a supplement to Mech Eng 2519 to prepare students for Chem Eng 3120. Review of the first and second law of thermodynamics for pure substances with emphasis on finding data for pure substances via fundamental relations and equations of state; phase equilibrium and fugacity of pure substances

Prerequisites Mech Eng 2519 from outside Missouri S&T and Math 2222.

Field Trip
Statement

Credit Hours	LEC: 1	LAB: 0	IND: 0	RSD: 0	Total: 1
--------------	--------	--------	--------	--------	----------

Justification for new course: We have found that students transferring Mechanical Engineering Thermodynamics do not have the necessary foundation in phase equilibria to be successful in our second thermodynamics course (Phase Equilibrium for multicomponents)

Semester(s) previously taught Spring 2016 and Fall 2016 as special problems.

Co-Listed
Courses:

Course Reviewer **smetg6 (10/13/16 3:21 pm):** Rolled fwd per Dr. Al-Dahhan & added a Topic ID
Comments **imorgan (12/08/16 10:08 am):** Edited to change titles to course numbers.

Key: 4338

[Preview Bridge](#)

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 10/18/16 1:32 pm

Viewing: **COMP SCI 6001.001 : Applied Spatial and Temporal Data Analysis**

File: 4365

Last edit: 12/09/16 3:00 pm

Changes proposed by: tauritzd

Requested	01/17/2017
Effective Change Date	
Department	Computer Science
Discipline	Computer Science (COMP SCI)
Course Number	6001
Topic ID	001
Experimental Title	Applied Spatial and Temporal Data Analysis
Experimental Abbreviated Course Title	Appl Sp & Temp Data Anly
Instructors	Yanjie Fu

Experimental Catalog Description

In Workflow

1. RCOMPSCI Chair
2. CCC Secretary
3. Engineering DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. Registrar

Approval Path

1. 10/18/16 2:02 pm Sajal Das (sdas): Approved for RCOMPSCI Chair
2. 10/18/16 2:06 pm Shauntae Ellis (smetg6): Approved for CCC Secretary
3. 10/28/16 4:16 pm sraper: Approved for Engineering DSCC Chair
4. 11/08/16 11:59 am Shauntae Ellis (smetg6): Approved for Pending CCC

Agenda post

The objectives of this course are: (1) to teach advanced analytics skills on spatial and temporal data generated by vehicles, buildings, users, devices, and (2) to apply these skills to popular applications of geo-mobile environments such as urban computing, human mobility modeling, location based social network analysis, and recommender systems.

Prerequisites A grade of "C" or better in either COMP SCI 5402, or in both COMP SCI 2300 and one of STAT 3111, STAT 3113, STAT 3115, STAT 3117, or any course that uses one of these as a prerequisite.

Field Trip Statement None

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Justification for new course: This course exposes students to the state-of-the-art in computer science research in the burgeoning area of spatial and temporal data analysis, which supports the campus' signature area of smart living.

Semester(s) previously taught None

Co-Listed Courses:

Course Reviewer Comments **imorgan (12/09/16 3:00 pm):** Edited based on CCC discussion.

Key: 4365

[Preview Bridge](#)

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 09/29/16 3:01 pm

Viewing: **GEOLOGY 6001.001 : Cyclic Sedimentation and Stratigraphy**

File: 4345

Last edit: 12/09/16 3:02 pm

Changes proposed by: yangwa

Requested 01/17/2017

Effective Change

Date

Department Geosciences and Geological and Petroleum Engineering

Discipline Geology (GEOLOGY)

Course Number 6001

Topic ID 001

Experimental

Title

Cyclic Sedimentation and Stratigraphy

Experimental Cyclic Sed and Strat

Abbreviated

Course Title

Instructors Wan Yang

Experimental

Catalog

Description

In Workflow

1. **RGEOSENG Chair**
2. **CCC Secretary**
3. **Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. Registrar

Approval Path

1. 09/30/16 2:28 pm
Francisca Oboh-Ikuenobe (ikuenobe):
Approved for RGEOSENG Chair
2. 09/30/16 2:36 pm
Shauntae Ellis (smetg6):
Approved for CCC Secretary
3. 11/08/16 6:24 pm
Ilene Morgan (imorgan):
Approved for Sciences DSCC Chair
4. 11/09/16 8:54 am
Shauntae Ellis

(smetg6):
 Approved for
 Pending CCC
 Agenda post

The sedimentary records of Earth's tectonic, climatic, and biological evolution are commonly cyclic in nature at a variable scale. This course will explore: 1) proxies and patterns of cyclic sedimentary records, 2) qualitative and quantitative techniques that document such cyclicity, and 3) tectonic, climatic, and autogenic processes that form such records.

Prerequisites	Geology 3620.				
Field Trip Statement	1 to 2 one-day field trips may be required. Trips will be in Missouri. No extra cost will be required. Location is TBD.				
Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0	Total: 3

Justification for new course: No such a course is listed in the Geology catalog. But the topic is critical to many graduate students working on advanced research topics related to sedimentology, stratigraphy, and paleoclimatology. The course will introduce advanced methodology and concepts to promote critical thinking in these fields.

Semester(s) previously taught

None.

Co-Listed Courses:

Course Reviewer **smetg6 (09/30/16 2:36 pm):** Edited Topic ID
 Comments **imorgan (12/09/16 3:02 pm):** Removed "or consent of instructor" from prerequisites.

Key: 4345

[Preview Bridge](#)

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 10/13/16 1:41 pm

Viewing: **IS&T 5001.003 : Foundations of Computer Architecture**

File: 4351

Last edit: 12/09/16 3:03 pm

Changes proposed by: barryf

Requested	01/17/2017
Effective Change Date	
Department	Business and Information Technology
Discipline	Info Science & Technology (IS&T)
Course Number	5001
Topic ID	003
Experimental Title	Foundations of Computer Architecture
Experimental Abbreviated Course Title	Fndations Computer Arch
Instructors	Barry Flachsbart

Experimental Catalog Description

In Workflow

1. RINFSCTE Chair
2. CCC Secretary
3. Social Sciences DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. Registrar

Approval Path

1. 10/18/16 5:18 pm
siauk: Approved for RINFSCTE Chair
2. 10/19/16 8:28 am
Shauntae Ellis (smetg6): Approved for CCC Secretary
3. 10/19/16 10:39 am
Barry Flachbart (barryf): Approved for Social Sciences DSCC Chair
4. 11/08/16 12:37 pm
Shauntae Ellis

(smetg6):
 Approved for
 Pending CCC
 Agenda post

Design-oriented foundations of computer components and operation. Standard codes; number systems; base conversions; computer arithmetic; boolean algebra; operating system s components including memory management, device management, I/O management; plus related computer architecture topics. Research paper required.

Prerequisites IS&T 1552 and graduate standing.

Field Trip
 Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Justification for new course: A significant portion of our new graduate students, especially those from other disciplines, require this material. The number of such potential students has been growing.

To be numbered 5131 after this semester.

This is a mirror course to IS&T 3131, with additional assignments for graduate students.

Semester(s)
 previously taught

None

Co-Listed
 Courses:

Course Reviewer **smetg6 (10/19/16 8:28 am):** Added Topic Id Number

Comments **imorgan (12/09/16 3:03 pm):** Removed "consent of instructor" from prerequisites.

Key: 4351

[Preview Bridge](#)

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 10/14/16 1:41 pm

Viewing: **MECH ENG 5001.003 : Energy Efficiency of Vehicles**

File: 4333

Last edit: 10/17/16 8:42 am

Changes proposed by: nisbett

Requested 01/17/2017

Effective Change
Date

Department Mechanical & Aerospace Engineering

Discipline Mechanical Engineering (MECH ENG)

Course Number 5001

Topic ID 003

Experimental
Title

Energy Efficiency of Vehicles

Experimental Energy Efficiency

Abbreviated

Course Title

Instructors Douglas R Carroll

Experimental

Catalog

Description

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. Registrar

Approval Path

1. 10/14/16 5:35 pm
James Drallmeier (drallmei):
Approved for RMECHENG Chair
2. 10/17/16 8:42 am
Shauntae Ellis (smetg6):
Approved for CCC Secretary
3. 10/28/16 4:11 pm
sraper: Approved for Engineering DSCC Chair
4. 11/08/16 12:56 pm
Shauntae Ellis (smetg6):
Approved for

Pending CCC

Agenda post

Course topics include the energy consumption, energy efficiency and carbon emissions of vehicles. Energy efficiency models are developed to illustrate how to optimize the energy efficiency of vehicles. Design and selection of tires, suspension and aerodynamics for energy efficiency will be covered.

Prerequisites Physics 2135, Math 2222.

Field Trip
Statement

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0	Total: 3
--------------	--------	--------	--------	--------	----------

Justification for new course: To educate engineering students about the overall efficiency and greenhouse gas emissions of vehicles and how to quantitatively assess a proposed vehicle design. Achieving the fuel economy and emissions requirements that are to be phased in over the next 10 years will require a significant change in the type of automobiles we are driving. It is hoped that some of our graduates can have an impact on energy policies and help develop policies that make sense.

Semester(s)
previously taught

Co-Listed
Courses:

Course Reviewer **smetg6 (10/17/16 8:42 am):** Added Topic Id and added a period to the prereq box.
Comments

Key: 4333

[Preview Bridge](#)

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 11/14/16 1:53 pm

Viewing: **SPANISH 3001.001 : Spanish Translation for Technical Applications**

File: 4373

Last edit: 12/09/16 3:04 pm

Changes proposed by: kristyg

Requested	Spring 2017
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Spanish (SPANISH)
Course Number	3001
Topic ID	001
Experimental Title	Spanish Translation for Technical Applications
Experimental Abbreviated Course Title	Span Tech Translation
Instructors	Jorge Porcel

Experimental Catalog Description

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. Registrar

Approval Path

1. 11/14/16 1:56 pm
Kristy Giacomelli (kristyg):
Approved for RPHILOSO Chair
2. 11/14/16 1:57 pm
Kristy Giacomelli (kristyg):
Approved for CCC Secretary
3. 11/14/16 1:58 pm
Kristy Giacomelli (kristyg):
Approved for Arts & Humanities DSCC Chair
4. 11/14/16 1:58 pm
Kristy Giacomelli

(kristyg):
 Approved for
 Pending CCC
 Agenda post

Spanish Translation for Technical Applications aims to broaden students' skills by teaching translation and interpretation techniques for STEM and technical fields.

Prerequisites Any Spanish 2000-level course or above.

Field Trip
 Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Justification for new course: This course will be developed for the new Minor in Latin American Studies for Technical Applications.
 The justification for this course is based on the demands of modern multicultural, multilingual societies which require from new graduates more than the traditional foreign language skills. Specifically, students graduating from STEM disciplines need not only to be competent in one or more foreign languages but it is also increasingly required that technical communication skills and intercultural communication skills are part and parcel of their background. This course aims at addressing these global skills.

Semester(s) previously taught

None

Co-Listed
 Courses:

Course Reviewer Comments
kristyg (11/14/16 1:56 pm): I am putting this course through as an EC, it was formerly put through as a CC form improperly.
imorgan (12/09/16 3:04 pm): Removed "instructor's approval" from prerequisites.

Key: 4373

[Preview Bridge](#)

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 09/23/16 8:43 am

Viewing: **SYS ENG 6001.001 : Advanced**

Computational Intelligence

File: 4339

Last edit: 10/18/16 4:21 pm

Changes proposed by: cornss

Requested 01/17/2017

Effective Change

Date

Department Engineering Management and Systems Engineering

Discipline Systems Engineering (SYS ENG)

Course Number 6001

Topic ID 001

Experimental

Title

Advanced Computational Intelligence

Experimental Adv Comp Intelligence

Abbreviated

Course Title

Instructors Corns

Experimental

Catalog

Description

In Workflow

1. **RENGMNGT**
Chair
2. **CCC Secretary**
3. **Engineering DSCC**
Chair
4. **Pending CCC**
Agenda post
5. **CCC Meeting**
Agenda
6. Campus Curricula
Committee Chair
7. Registrar

Approval Path

1. 10/13/16 12:02
pm
Suzanna Long
(longsuz):
Approved for
RENGMNGT Chair
2. 10/13/16 12:29
pm
Shauntae Ellis
(smetg6):
Approved for CCC
Secretary
3. 10/18/16 4:21 pm
sraper: Approved
for Engineering
DSCC Chair
4. 11/08/16 12:59
pm

Shauntae Ellis
(smetg6):
Approved for
Pending CCC
Agenda post

Advanced topics in computational intelligence, including application areas in evolutionary computation, neural networks, and fuzzy systems. students will conduct challenging research projects involving advanced concept implementation, statistical analysis and paper writing.

Prerequisites A "C" or better grade in one of Sys Eng 5211, Elec Eng 5310, or Comp Eng 5310.

Field Trip
Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Justification for new course: Current computational intelligence course (SysEng5211/ECE5310) does not allow for advanced projects that allow for hands on learning of techniques. Other courses focus on one particular area, where hybridization of techniques can be pursued in this course.

Semester(s)
previously taught

Co-Listed
Courses:

Course Reviewer **smetg6 (10/13/16 12:29 pm):** Added topic id
Comments **sraper (10/18/16 4:21 pm):** Made changes to abbreviated title and prereqs.

Key: 4339

[Preview Bridge](#)

Course Inventory Change Request

New Course Proposal

Date Submitted: 10/17/16 3:33 pm

Viewing: **ART 3100 : Innovation Through Design**

Thinking

File: 4342

Last edit: 11/11/16 4:45 pm

Changes proposed by: bartonch

Requested	Summer 2017
Effective Change	
Date	
Department	Arts, Languages, & Philosophy
Discipline	Art (ART)
Course Number	3100
Title	Innovation Through Design Thinking
Abbreviated	Design Thinking
Course Title	

Catalog
Description

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. Ishelton
11. Peoplesoft

Approval Path

1. 10/25/16 8:39 am
Audra Merfeld-Langston
(audram):
Approved for
RPHILOSO Chair
2. 10/25/16 4:03 pm
Shauntae Ellis
(smetg6):
Approved for CCC
Secretary
3. 10/26/16 9:52 am

Petra Dewitt
(dewittp):
Approved for Arts
& Humanities
DSCC Chair
4. 11/08/16 11:58
am
Shauntae Ellis
(smetg6):
Approved for
Pending CCC
Agenda post

Design Thinking is a human-centered approach to innovation. Students will investigate and uniquely address a variety of identified problems through group collaboration, creative problem-solving, and prototyping. This course will help students gain new perspectives on life challenges.

Prerequisites none

Field Trip
Statement

Credit Hours LEC: 0 LAB: 3 IND: 0 RSD: 0 Total: 3

Required for
Majors No

Elective for
Majors No

Justification for
new course: The course has been successful in the past as "Digital Art Through Design Thinking" and the department would like to continue to offer it with a permanent course number.

Semesters
previously
offered as an
experimental
course Spring 2014 and Fall 2014

Co-Listed
Courses:

Course Reviewer Comments

audram (09/24/16 8:15 am): This sentence in the description is too vague and unclear: "This course will demonstrate a new perspective to life challenges and the possibility for intervention." Perhaps instead: "This course will help students gain new perspectives on life challenges." ?? It is unclear what the "intervention" part is.

audram (09/24/16 8:22 am): We need to come up with a different course number other than 3001. Please consult with Irina for suggestions on course numbering. Thank you.

audram (09/24/16 8:26 am): Rollback: Part of the course description is unclear (see my comments on the form). We will work with Laurie to make sure we understand what she wants it to say and that the description is clear. I will help you with this if you need help.

dewittp (10/26/16 9:52 am): Updated effective date

Key: 4342

[Preview Bridge](#)

Course Inventory Change Request

New Course Proposal

Date Submitted: 10/10/16 10:08 am

Viewing: **MIN ENG 6742 : Integrating the National Environmental Policy Act and Project Management**

File: 4319

Last edit: 11/14/16 1:39 pm

Changes proposed by: smetg6

Requested	Fall 2017
Effective Change Date	
Department	Mining & Nuclear Engineering
Discipline	Mining Engineering (MIN ENG)
Course Number	6742
Title	Integrating the National Environmental Policy Act and Project Management
Abbreviated Course Title	Integrat NEPA with Poj

Catalog Description

In Workflow

1. RMINNUCL 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. Ishelton
11. Peoplesoft

Approval Path

1. 10/10/16 12:18 pm
Braden lusk (blusk): Approved for RMINNUCL Chair
2. 10/10/16 1:08 pm
Shauntae Ellis (smetg6): Approved for CCC Secretary
3. 10/18/16 4:27 pm
sraper: Approved

for Engineering
 DSCC Chair
 4. 11/08/16 12:57
 pm
 Shauntae Ellis
 (smetg6):
 Approved for
 Pending CCC
 Agenda post

Any new construction projects, plant expansions or or other proposed significant activities can impact the environment, and public health and safety. Regulatory approval of a proposed action requires compliance with the National Environmental Policy Act (NEPA). The student will learn to integrate NEPA into Project Management processes.

Prerequisites Min Eng 4742 or an equivalent course.

Field Trip
 Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Required for
 Majors No

Elective for
 Majors Yes

Justification for
 new course: Requesting permanent number after two successful offerings.

Semesters
 previously
 offered as an
 experimental
 course Offered as an experimental course SP 2015 and SP 2016

Co-Listed
 Courses:

Course Reviewer
 Comments **srapar (09/07/16 9:59 am):** Rollback: Current course title does not match to previous EC forms. Also, why 6000 level? What is the justification? Finally, should there be consideration for co-list given PM is in the title?

smetg6 (09/07/16 11:21 am): Rollback: Rollback per the Engineering DSCC Chairs comments

btlf7c (09/07/16 2:51 pm): Rollback: Judy See the comments below about the reason for them sending it back to me. I'm not sure of the history of this, so i can't provide documentation or justification.

smetg6 (10/10/16 1:08 pm): I was given this information as to why this course is proposed the way it is. The EC form went through with the title Mineral Industry Environmental Considerations. It was file 4136 The reason for the 6000 level was of the Request from the past Chair of the Department Dr. Samuel Frimpong
Prerequisites: MIN Eng 4742 Environmental Aspects of Mining , or an equivalent course. Graduate Standing, Approval of the instructor.

kristyg (11/14/16 1:39 pm): Change to Fall 2017, it missed the Spring 2017 deadline.

Key: 4319

[Preview Bridge](#)