Minutes of the Campus Curricula Committee Meeting
March 7, 2018
2:00pm, 216 Parker Hall
(For Faculty Senate Meeting of March 22, 2018)

Attendees: Steve Raper, Barry Flachsbart, Petra Dewitt, Thomas Schuman, Katie Shannon, Gearoid MacSithigh, Kyle Perry and Brittany Parnell

The following curriculum forms were discussed and approved:

Course Change Forms:

File	Course
File: 4506	BIO SCI 4373: Stem Cell Biology
File: 4505	BIO SCI 5343: Biology of Aging
File: 4507	BIO SCI 6373: Advanced Stem Cell Biology
File: 2494.2	EDUC 3203: Introduction to STEM Education
File: 4517	EDUC 3220: Teaching Science in the Elementary Classroom
File: 4519	EDUC 3430: Literature for Children
File: 4518	EDUC 3530: Integrated Social Studies and Humanities for the Elementary Classroom
File: 4527	EDUC 5100: PLTW Training
File: 2328.1	EDUC 5370: Teachers Academy: Effective Instructional Strategies
File: 4512	ELEC ENG 5680: Introduction to Radar Systems
File: 4526	ENGLISH 3590: Game Studies
File: 1211.6	GEOLOGY 3631: Systematic Paleontology
File: 1126.1	GEOLOGY 6611: Advanced Palynology
File: 1498.1	MATH 6417: Functional Analysis I
File: 1494.1	MATH 6418: Functional Analysis II
File: 2364.1	MET ENG 5480: Refining Of Metals
File: 1702.1	MIN ENG 4413: Material Processing By High-Pressure Water Jet
File: 2362.1	MIN ENG 4422: Coal Preparation
File: 500.1	MIN ENG 5413: Material Processing by High Pressure Water Jet
File: 2019.1	MIN ENG 5422: Coal Preparation
File: 4513	MS&E 5060: Chemistry of Construction Materials
File: 4514	MS&E 6060: Advanced Chemistry of Construction Materials
File: 4510	PSYCH 3501: Drugs and Behavior
File: 4359.4	PSYCH 6602: Employee Affect and Behavior
File: 4521	TCH COM 3550: Writing for Social Media
File: 4520	TCH COM 3580: Business Communication

Degree Change Forms:

File: 84.7	MATH-MST: Mathematics MST
File: 259	PROPOSED: Game Studies (Minor)
File: 258	PROPOSED: Minor in Social Media in Industry

Experimental Course Forms:

File: 4522	HISTORY 2001.001: History of Mexico
File: 4523	PET ENG 6001.009: Applications of Data Analytics in Petroleum Engineering
File: 4511	PSYCH 3001.003: Psychology of Human Sexuality

The Curriculum Committee approved a proposal from Kate Drowne to implement graduate-level education courses through Project Lead The Way with the variable credit course, *EDUC 5100: PLTW Training*.

The meeting adjourned at 3:10pm

[signature: Stephen A. Raper]

Stephen A. Raper, Chair
Missouri S&T Campus Curricula Committee

Course Change Request

New Course Proposal

Date Submitted: 12/07/17 4:44 pm

Viewing: **BIO SCI 4373 : Stem Cell Biology**

File: 4506

Last edit: 12/08/17 9:32 am

Changes proposed by: niyogid

Requested Effective Change Date	Fall 2018
Department	Biological Sciences
Discipline	Biological Sciences (BIO SCI)
Course Number	4373
Title	Stem Cell Biology
Abbreviated Course Title	Stem Cell Biology

Catalog Description	This course will cover the fast-moving field of stem cell biology. Topics include: development and organogenesis, regeneration and repair, stem cell types and sources, pluripotency and reprogramming, stem cells and cancer, therapeutics, and ethics.
Prerequisites	Bio Sci 2213.
Field Trip Statement	NA
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 class has beeen offered twice as an experimental class (BioSci 5001). We are offering this topic as 4000 and 6000 options for its permanent listings in the catalog.
Semesters previously offered as an experimental course	Fall 2015, Fall 2017 Fall 2015 enrollment- 12 Fall 2017 enrollment- 12
Co-Listed Courses:	

Course Reviewer Comments	

Key: 4506

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. **FS Meeting Agenda**
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/08/17 7:13 am David Duvernell (duvernelld): Approved for RBIOLSCI Chair
2. 12/08/17 9:21 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 01/31/18 9:25 am Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 02/20/18 11:42 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 12:23 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

6. 03/08/18 4:43 pm
   sraper: Approved
   for Campus
   Curricula
   Committee Chair

Preview Bridge

Course Change Request

New Course Proposal

Date Submitted: 12/07/17 3:52 pm

Viewing: **BIO SCI 5343 : Biology of Aging**

File: 4505

Last edit: 12/08/17 9:31 am

Changes proposed by: niyogid

Requested Effective Change Date	Fall 2018
Department	Biological Sciences
Discipline	Biological Sciences (BIO SCI)
Course Number	5343
Title	Biology of Aging
Abbreviated Course Title	Biology of Aging

Catalog Description

We will discuss the proximate and ultimate mechanisms of aging, and review a few leading theories of aging with the emphases on oxidative stress and life history tradeoffs. We will take the comparative approach to study aging across species, and the interventions that extend animals' lifespan, and explore why they may or may not work on humans.

Prerequisites
Bio Sci 2213.

Field Trip Statement
NA

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

Required for Majors	No
Elective for Majors	Yes

Justification for new course:

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. **FS Meeting Agenda**
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/08/17 7:14 am David Duvernell (duvernelld): Approved for RBIOLSCI Chair
2. 12/08/17 9:31 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 01/31/18 9:25 am Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 02/20/18 11:42 am Brittany Parnell (ershenb): Approved for

This new class has been taught 3 times as an experimental course, as BioSci 3001. We are elevating the class to the 5000 level, given more advanced topics to be covered and anticipated enrollment by graduate students.

Semesters
previously
offered as an
experimental
course
  Fall 2014; Spring 2016; Spring 2017
  Fall 2014 enrollment: 13
  Spring 2016 enrollment: 22
  Spring 2017 enrollment: 14

Co-Listed
Courses:

Course Reviewer
Comments

Pending CCC
Agenda post

5. 03/08/18 12:23
   pm
   Brittany Parnell
   (ershenb):
   Approved for CCC
   Meeting Agenda

6. 03/08/18 4:43 pm
   sraper: Approved
   for Campus
   Curricula
   Committee Chair

Key: 4505

Preview Bridge

Course Change Request

<div align="center">

New Course Proposal

</div>

Date Submitted: 12/07/17 4:47 pm

Viewing: **BIO SCI 6373 : Advanced Stem Cell Biology**

File: 4507

Last edit: 03/08/18 12:24 pm

Changes proposed by: niyogid

Requested Effective Change Date	Fall 2018
Department	Biological Sciences
Discipline	Biological Sciences (BIO SCI)
Course Number	6373
Title	Advanced Stem Cell Biology
Abbreviated Course Title	Adv Stem Cell Bio

Catalog Description	This course will cover the fast-moving field of stem cell biology. Topics include: development and organogenesis, regeneration and repair, stem cell types and sources, pluripotency and reprogramming, stem cells and cancer, therapeutics, and ethics. Research proposal and additional readings required for graduate credit.
Prerequisites	
Field Trip Statement	NA
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 class has been taught twice as an experimental class as BioSci 5001. We now wish to include a graduate section at the 6000 level for our MS students in Applied and Environmental Biology.
Semesters previously offered as an experimental course	Fall 2015, Fall 2017. Fall 2015 enrollment- 12 Fall 2017 enrollment- 12
Co-Listed Courses:	

Course Reviewer Comments	**ershenb (03/08/18 12:24 pm):** removed "Graduate Standing" in the prerequisites

Key: 4507

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. **FS Meeting Agenda**
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/08/17 7:15 am David Duvernell (duvernelld): Approved for RBIOLSCI Chair
2. 12/08/17 9:39 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 01/31/18 9:25 am Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 02/20/18 11:42 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 12:24 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

6. 03/08/18 4:43 pm
sraper: Approved
for Campus
Curricula
Committee Chair

Preview Bridge

Course Change Request

Date Submitted: 01/12/18 11:37 am

Viewing: **EDUC 3203** ~~2203~~ : **Introduction to STEM Education** ~~Problems Of Teaching Mathematics~~

File: 2494.2

Last approved: 03/06/17 3:15 am

Last edit: 02/01/18 9:28 am

Changes proposed by: schwartzem

Requested Effective Change Date	Fall **2018** ~~2017~~
Department	Arts, Languages, & Philosophy
Discipline	Education (EDUC)
Course Number	**3203** ~~2203~~
Title	**Introduction to STEM Education** ~~Problems Of Teaching Mathematics~~
Abbreviated Course Title	**Intro to STEM Education** ~~Probs Of Teaching Math~~

Catalog Description

A study of current methodologies for teaching in area of specialization. **Students are introduced to a variety of instructional programs including Project Lead the Way.**

Prerequisites

Field Trip Statement

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0	Total: 3
Required for Majors	**Yes** ~~No~~				
Elective for Majors	No				

Justification for change:

Course has been adapted to include STEM learning so it does not just focus on mathematics now, but rather on science, mathematics, technology and engineering principles. Therefore, the name should be changed from Problems of Teaching Mathematics to Intro to STEM Education since the focus has broadened.

In Workflow

1. **EDUC 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. 01/23/18 12:40 pm Kelly Carter (carterke): Approved for EDUC Chair
2. 01/23/18 1:20 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/01/18 8:48 pm Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
4. 02/20/18 11:42 am Brittany Parnell (ershenb):

Change to 3xxx to be consistent with other required courses -- really at this level.
Was taught in Sp16 & Sp18 as 2203.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

Key: 2494

Approved for
Pending CCC
Agenda post

5. 03/08/18 12:26
pm
Brittany Parnell
(ershenb):
Approved for CCC
Meeting Agenda

6. 03/08/18 4:43 pm
sraper: Approved
for Campus
Curricula
Committee Chair

History

1. Mar 6, 2017 by
dewittp (2494.1)

Course Change Request

New Course Proposal

Date Submitted: 01/31/18 2:46 pm

Viewing: **EDUC 3220 : Teaching Science in the Elementary Classroom**

File: 4517

Last edit: 02/01/18 1:08 pm

Changes proposed by: schwartzem

Requested Effective Change Date	Fall 2018
Department	Arts, Languages, & Philosophy
Discipline	Education (EDUC)
Course Number	3220
Title	Teaching Science in the Elementary Classroom
Abbreviated Course Title	Teaching Science

Catalog Description	A study in methods and materials for teaching science. This course will cultivate students' understanding of Science, Technology, Engineering and Mathematics (STEM) education with a focus on implications for teaching and learning.
Prerequisites	
Field Trip Statement	

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

Required for Majors	Yes
Elective for Majors	No

Justification for new course:	Seeking a new permanent number
Semesters previously offered as an experimental course	Fall 2015 Fall 2017 Fall 2015 enrollment- 10 Fall 2017 enrollment- 15
Co-Listed Courses:	

Course Reviewer Comments

Key: 4517

In Workflow

1. **EDUC 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. 02/01/18 11:01 am
   Kelly Carter (carterke):
   Approved for EDUC Chair
2. 02/01/18 1:31 pm
   Brittany Parnell (ershenb):
   Approved for CCC Secretary
3. 02/01/18 8:48 pm
   Barry Flachsbart (barryf):
   Approved for Social Sciences DSCC Chair
4. 02/20/18 11:42 am
   Brittany Parnell (ershenb):
   Approved for Pending CCC Agenda post
5. 03/08/18 12:27 pm
   Brittany Parnell (ershenb):
   Approved for CCC Meeting Agenda

6. 03/08/18 4:43 pm
   sraper: Approved
   for Campus
   Curricula
   Committee Chair

Preview Bridge

Course Change Request

New Course Proposal

Date Submitted: 01/31/18 2:59 pm

Viewing: **EDUC 3430 : Literature for Children**

File: 4519

Last edit: 02/01/18 1:43 pm

Changes proposed by: schwartzem

Requested Effective Change Date	Fall 2018
Department	Arts, Languages, & Philosophy
Discipline	Education (EDUC)
Course Number	3430
Title	Literature for Children
Abbreviated Course Title	Literature for Children

Catalog Description	A study of children's literary works, authors, genres, and illustrators appropriate for the elementary classroom.
Prerequisites	
Field Trip Statement	
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3
Required for Majors	Yes
Elective for Majors	No

Justification for new course:	Seeking a new permanent number.
Semesters previously offered as an experimental course	Spring 2016 Spring 2018 Spring 2016 enrollment -11 Spring 2018 enrollment - 9
Co-Listed Courses:	

Course Reviewer Comments	

Key: 4519

In Workflow

1. **EDUC 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. 02/01/18 11:01 am
   Kelly Carter (carterke): Approved for EDUC Chair
2. 02/01/18 1:43 pm
   Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/01/18 8:48 pm
   Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
4. 02/20/18 11:42 am
   Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 12:29 pm
   Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

6. 03/08/18 4:43 pm
   sraper: Approved
   for Campus
   Curricula
   Committee Chair

   Preview Bridge

Course Change Request

New Course Proposal

Date Submitted: 01/31/18 2:51 pm

Viewing: **EDUC 3530 : Integrated Social Studies and Humanities for the Elementary Classroom**

File: 4518

Last edit: 02/01/18 1:47 pm

Changes proposed by: schwartzem

Requested Effective Change Date	Fall 2018
Department	Arts, Languages, & Philosophy
Discipline	Education (EDUC)
Course Number	3530
Title	Integrated Social Studies and Humanities for the Elementary Classroom
Abbreviated Course Title	Teaching Social Studies

Catalog Description

The course will focus on the methodology and materials needed to facilitate elementary students' development in social studies. This course will integrate the curriculum and teaching strategies in social studies with music, physical education, and art.

Prerequisites

Field Trip Statement

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0	Total: 3
Required for Majors	Yes				
Elective for Majors	No				

Justification for new course:

Seeking a new permanent number.

In Workflow

1. **EDUC 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. 02/01/18 11:02 am
   Kelly Carter (carterke):
   Approved for EDUC Chair
2. 02/01/18 1:57 pm
   Brittany Parnell (ershenb):
   Approved for CCC Secretary
3. 02/01/18 8:48 pm
   Barry Flachsbart (barryf):
   Approved for Social Sciences DSCC Chair
4. 02/20/18 11:42 am
   Brittany Parnell (ershenb):

Semesters previously offered as an experimental course
  Spring 2016
  Spring 2018

  Spring 2016 enrollment- 11
  Spring 2018 enrollment- 12

Co-Listed Courses:

Course Reviewer Comments

Approved for Pending CCC Agenda post
5. 03/08/18 12:29 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 03/08/18 4:44 pm sraper: Approved for Campus Curricula Committee Chair

Key: 4518

Preview Bridge

Course Change Request

New Course Proposal

Date Submitted: 02/16/18 8:34 am

Viewing: **EDUC 5100 : PLTW Training**

File: 4527

Last edit: 02/21/18 2:01 pm

Changes proposed by: kdrowne

Requested Effective Change Date	Summer 2018
Department	History and Political Science
Discipline	Education (EDUC)
Course Number	5100
Title	PLTW Training
Abbreviated Course Title	PLTW Training

Catalog Description	This graduate-level Project Lead the Way course prepares K-12 educators to become more effective teachers of STEM-focused material.
Prerequisites	
Field Trip Statement	
Credit Hours	LEC: 1-4 LAB: 0 IND: 0 RSD: 0 Total: 1-4
Required for Majors	No
Elective for Majors	Yes

Justification for new course:	EDUC 5100 will be listed as a repeatable, variable credit course (1-4 credits). About two dozen possible graduate-level course experiences will fall under EDUC 5100, including STEM Instruction for grades K-12, emphasizing the areas of Biomedical Science, Computer Science, and Engineering. Students will be able to sign up for the appropriate course when they enroll online. This repeatable course with variable credit is a preferable alternative to listing 26 possible PLTW graduate courses in our catalog.

Please note that this course will be housed in the Department of Teacher Education and Certification (not the Department of History and Political Science).

This variable credit course is set up like a Special Topics course, but it is independent of Special Topics courses for the purposes of PLTW. |
| Semesters previously offered as an experimental course | These PLTW training courses have been taught regularly on our campus for more than ten years. |

In Workflow
1. **EDUC 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. 02/19/18 8:47 am sfogg: Approved for RHISTORY Chair
2. 02/20/18 11:16 am Kelly Carter (carterke): Approved for EDUC Chair
3. 02/21/18 1:13 pm Brittany Parnell (ershenb): Approved for CCC Secretary
4. 02/21/18 3:09 pm Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
5. 02/21/18 3:41 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
6. 03/08/18 12:31 pm Brittany Parnell

Co-Listed Courses:		(ershenb): Approved for CCC Meeting Agenda
Course Reviewer Comments		7. 03/08/18 4:44 pm sraper: Approved for Campus Curricula Committee Chair

Key: 4527

Preview Bridge

Course Change Request

Date Submitted: 02/14/18 4:35 pm

Viewing: **EDUC 5370** ~~4370~~ **: Teachers Academy: Effective Instructional Strategies**

File: 2328.1

Last edit: 02/21/18 2:02 pm

Changes proposed by: carterke

Requested Effective Change Date	**Fall 2018** ~~08/01/2014~~
Department	Arts, Languages, & Philosophy
Discipline	Education (EDUC)
Course Number	**5370** ~~4370~~
Title	Teachers Academy: Effective Instructional Strategies
Abbreviated Course Title	Teachers Academy

Catalog Description	Participants will develop an understanding of research-based instruction and the ability to implement the instructional strategies in their classrooms. In addition to effective instructional practices, the teachers' academy will focus on leadership, empowerment, collaboration and renewal.
Prerequisites	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** ~~No~~

Justification for change:	This course was updated in 8/2014. Because of graduate standing as a prerequisite, it should have been numbered as a 5000 level course. So I propose a change from 4370 to 5370 to comply with graduate level numbering.
Semesters previously offered as an experimental course	
Co-Listed Courses:	

Course Reviewer Comments	**carterke (02/15/18 4:39 pm):** The department should read Teacher Education and Certification. (This is not available in the drop down menu, yet.) Also, the course will span Fall 18' through Spring '19, so it will officially be offered again in the Spring '19 semester. (Spring '19 was not available in the menu.)

Key: 2328

Approval Path

1. 02/15/18 4:39 pm
   Kelly Carter (carterke): Approved for EDUC Chair
2. 02/16/18 8:42 am
   Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/21/18 3:09 pm
   Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
4. 02/21/18 3:40 pm
   Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 12:46 pm
   Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 03/08/18 4:44 pm
   sraper: Approved

for Campus
Curricula
Committee Chair

Preview Bridge

Course Change Request

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New Course Proposal

</div>

Date Submitted: 01/17/18 12:54 pm

Viewing: **ELEC ENG 5680 : Introduction to Radar Systems**

File: 4512

Last edit: 03/08/18 2:24 pm

Changes proposed by: sweetk

Requested Effective Change Date	Fall 2018
Department	Electrical and Computer Engineering
Discipline	Electrical Engineering (ELEC ENG)
Course Number	5680
Title	Introduction to Radar Systems
Abbreviated Course Title	Intro to Radar Systems

Catalog Description	The objective of this course is to introduce senior and graduate students to various radar system principles, designs and applications (e.g., pulse, frequency-modulated, chirp, Doppler radars). Topics related to signals, systems, noise, resolution, multiple sampling, different imaging modalities, and remote sensing will also be discussed.
Prerequisites	Elec Eng 3400 and Elec Eng 3600.
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:	We have a strong electromagnetic, signal and image processing core competency both in the type of courses we offer and the research that we conduct in the department. Many of our students perform Co-Op and Internships at institutions such as Sandia National Lab., and are hired by companies and government organizations that are involved in radar R&D. Consequently, this course will not only benefit the students in being prepared for such engagements but also gives them an advantage over those without having had this background when they apply for their career positions.
Semesters previously offered as an experimental course	Spring 2013, Fall 2017 Spring 13 enrollment- 8 Fall 17 enrollment- 7
Co-Listed Courses:	

In Workflow

1. **RELECENG 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. 01/19/18 5:46 pm Daryl Beetner (daryl): Approved for RELECENG Chair
2. 01/22/18 3:28 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 01/31/18 2:59 pm sraper: Approved for Engineering DSCC Chair
4. 02/20/18 11:42 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 2:25 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 03/08/18 4:44 pm sraper: Approved for Campus

| Course Reviewer Comments | **sraper (01/23/18 2:40 pm):** Changed prereq from a comma to an and between both courses to strengthen.
ershenb (03/08/18 2:24 pm): changed "EE" to "Elec Eng" in prerequisites | Curricula Committee Chair |

Key: 4512

Preview Bridge

Course Change Request

New Course Proposal

Date Submitted: 02/11/18 3:42 pm

Viewing: **ENGLISH 3590 : Game Studies**

File: 4526

Last edit: 02/12/18 11:05 am

Changes proposed by: kswenson

Requested Effective Change Date	Fall 2018
Department	English and Technical Communication
Discipline	English (ENGLISH)
Course Number	3590
Title	Game Studies
Abbreviated Course Title	Game Studies

Catalog Description	An introduction to the study of games with an emphasis on their pedagogical and communicative uses. May cover topics such as game theory and design, gamification of classroom or workplace activities, game genres, and writing game narratives.
Prerequisites	One semester of literature or composition.
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:	Required for new minor in Game Studies. (See DC form/proposal which also contains syllabus for Games Studies.)

Student demand to study games as an entertainment medium, as a learning tool, and as career field is high and increasing. Additionally, dozens of colleges and universities worldwide offeer both degrees and minors in game studies, creating a vast and growing scholarly and learning community. This is a field that needs study and research from Missouri's premier science and technology university. |
| Semesters previously offered as an experimental course | N/A |
| Co-Listed Courses: | TCH COM 3590 - Course Not Found |

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. 02/11/18 3:43 pm Kristine Swenson (kswenson): Approved for RENGLISH Chair
2. 02/12/18 1:56 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/12/18 3:16 pm Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 02/20/18 11:42 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/12/18 9:18 am Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

Course Reviewer
Comments

Key: 4526

6. 03/12/18 9:42 am
sraper: Approved
for Campus
Curricula
Committee Chair

Key: 4526

Course Change Request

Date Submitted: 01/12/18 4:35 pm

Viewing: **GEOLOGY 3631 : Systematic Paleontology**

File: 1211.6

Last approved: 06/27/16 3:12 am

Last edit: 01/31/18 9:26 am

Changes proposed by: ikuenobe

Programs referencing this course	GL&GPH-BS: Geology and Geophysics BS
Other Courses referencing this course	In The Prerequisites: GEOLOGY 5741 : Micropaleontology GEOLOGY 6611 : Advanced Palynology
Requested Effective Change Date	Fall **2018** ~~2016~~
Department	Geosciences and Geological and Petroleum Engineering
Discipline	Geology (GEOLOGY)
Course Number	3631
Title	Systematic Paleontology
Abbreviated Course Title	Systematic Paleontology
Catalog Description	**Provide understanding of** ~~Introduction to~~ paleontological principles, **morphological concepts, evolution of life,** ~~biostratigraphy, paleoenvironments,~~ and **applications/uses of fossils.** ~~the study of fossil invertebrates, microfossils, plants and palynology.~~ **Chronicles evolution and classification of microfossils, invertebrates, plants and palynomorphs. Emphasis on writing and oral skills. A compulsory field trip to The Field Museum (Chicago) may be at student expense.** ~~Emphasis of the course is on fossil morphology, classification, and environmental relationships.~~
Prerequisites	Geology 1110 or Geology 1120 or Bio Sci 1113.
Field Trip Statement	
Credit Hours	LEC: 2 LAB: 1 IND: 0 RSD: 0 Total: 3
Required for Majors	No
Elective for Majors	**Yes** ~~No~~
Justification for change:	Catalog description updated to include field trip statement and reflect changes due to the addition of a distance section (beginning fall 2018)
Semesters previously	

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. **FS Meeting Agenda**
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 01/14/18 9:33 am David Borrok (borrokd): Approved for RGEOSENG Chair
2. 01/22/18 2:26 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 01/31/18 9:26 am Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 02/20/18 11:43 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 2:29 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 03/08/18 4:44 pm sraper: Approved

offered as an experimental course		for Campus Curricula Committee Chair
Co-Listed Courses:		
		History
Course Reviewer Comments	**ershenb (01/22/18 2:24 pm):** moved Field Trip statement up to the Catalog Description. **ershenb (01/22/18 2:25 pm):** updated Start Term to Fall 2018.	1. Jun 27, 2016 by ikuenobe (1211.1)

Key: 1211

Preview Bridge

Course Change Request

Date Submitted: 01/12/18 4:13 pm

Viewing: **GEOLOGY 6611 : Advanced Palynology**

File: 1126.1

Last edit: 01/31/18 9:26 am

Changes proposed by: ikuenobe

Requested Effective Change Date	**Fall 2018** ~~08/01/2014~~
Department	Geosciences and Geological and Petroleum Engineering
Discipline	Geology (GEOLOGY)
Course Number	6611
Title	Advanced Palynology
Abbreviated Course Title	Advanced Palynology

Catalog Description	Study of **organic-walled microfossils, and** the processes of sporopollenin preservation, sedimentation **and** ~~and~~ palynofacies. **Chronicle of Phanerozoic** ~~Phaneozoic~~ **palynology in lectures.** Major emphasis on independent palynostratigraphic **research and applications, such as biostratigraphy, paleoclimatology and paleoenvironments.** ~~research. Chronicle of Phaneozoic palynology in lectures.~~
Prerequisites	Geology 3631 or **Geology 5741.** ~~4641.~~
Field Trip Statement	
Credit Hours	LEC: 1 LAB: 2 IND: 0 RSD: 0 Total: 3
Required for Majors	No
Elective for Majors	**Yes** ~~No~~

Justification for change:	1. One pre-requisite, Micropaleontology, has been renumbered to 5741. 2. Catalog description updated to reflect current advances in the field.
Semesters previously offered as an experimental course	
Co-Listed Courses:	
Course Reviewer Comments	

Key: 1126

for Campus
Curricula
Committee Chair

Preview Bridge

Course Change Request

Date Submitted: 12/07/17 5:45 pm

Viewing: **MATH 6417 : Functional Analysis I**

File: 1498.1

Last edit: 03/08/18 2:35 pm

Changes proposed by: prunnion

Other Courses referencing this course	In The Prerequisites: MATH 6375 : Theory Of Partial Differential Equations

Requested Effective Change Date	**Fall 2018** ~~08/01/2014~~
Department	Mathematics & Statistics
Discipline	Mathematics (MATH)
Course Number	6417
Title	Functional Analysis I
Abbreviated Course Title	Functional Analysis I

Catalog Description

Banach spaces, Hilbert spaces, linear ~~Linear~~ transformations, Hahn-Banach theorem, **duality,** ~~open-mapping theorem, closed graph theorem,~~ uniform boundedness **principle, weak topologies, convexity, bounded linear maps, compact** ~~theorem, self adjoint and normal~~ operators, and **spectral** ~~related topics of Banach and Hilbert space~~ theory.

Prerequisites

Math **5215; Math** ~~5215 and (Math~~ 5108 or **Math 5585.** ~~Math 5585)~~

Field Trip Statement

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

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

Justification for
change:
  The catalog description is being updated according to current trends in functional
  analysis and faculty research interests.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Pending CCC
Agenda post

5. 03/08/18 2:35 pm
   Brittany Parnell
   (ershenb):
   Approved for CCC
   Meeting Agenda
6. 03/08/18 4:44 pm
   sraper: Approved
   for Campus
   Curricula
   Committee Chair

Course Reviewer   **ershenb (03/08/18 2:35 pm):** removed "and" from prerequisites and added ";"
Comments

Key: 1498

Preview Bridge

Course Change Request

Date Submitted: 01/08/18 3:33 pm

Viewing: **MATH 6418 : Functional Analysis II**

File: 1494.1

Last edit: 01/31/18 2:17 pm

Changes proposed by: prunnion

Requested Effective Change Date	**Fall 2018** ~~08/01/2014~~
Department	Mathematics & Statistics
Discipline	Mathematics (MATH)
Course Number	6418
Title	Functional Analysis II
Abbreviated Course Title	Functional Analysis II

Catalog Description	**A continuation of Math 6417 with additional topics related to bounded and unbounded operators and their applications.** ~~Spectral analysis of linear operators, spectral theorems, selected applications, an introduction to the theory of topological linear spaces, and papers from the recent literature.~~
Prerequisites	Math 6215 and **Math** 6417.
Field Trip Statement	
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3
Required for Majors	No
Elective for Majors	**Yes** ~~No~~

Justification for change:	The catalog description is being updated according to current trends in functional analysis and faculty research interests.
Semesters previously offered as an experimental course	
Co-Listed Courses:	

Course Reviewer Comments	**shannonk (09/27/17 9:41 am):** Rollback: Only special topics and seminar courses may be repeated for credit. The committee is concerned that this course description does not contain language preventing students from getting credit for identical content **kristyg (01/08/18 3:30 pm):** Rollback: Rollback per conversation with Paul Runnion.

Key: 1494

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. 09/07/17 1:22 pm sclark: Approved for RMATHEMA Chair
2. 09/08/17 10:20 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 09/27/17 9:41 am Katie Shannon (shannonk): Rollback to RMATHEMA Chair for Sciences DSCC Chair
4. 01/08/18 3:30 pm Kristy Giacomelli (kristyg): Rollback to Initiator
5. 01/08/18 3:37 pm sclark: Approved for RMATHEMA Chair
6. 01/11/18 9:13 am Brittany Parnell (ershenb):

Approved for CCC Secretary

7. 01/31/18 2:18 pm
Katie Shannon (shannonk):
Approved for Sciences DSCC Chair

8. 02/20/18 11:47 am
Brittany Parnell (ershenb):
Approved for Pending CCC Agenda post

9. 03/08/18 2:40 pm
Brittany Parnell (ershenb):
Approved for CCC Meeting Agenda

10. 03/08/18 4:45 pm
sraper: Approved for Campus Curricula Committee Chair

Preview Bridge

Course Change Request

Date Submitted: 01/31/18 10:28 am

Viewing: **MET ENG 5480 : Refining Of Metals**

File: 2364.1

Last edit: 02/01/18 9:38 am

Changes proposed by: smiller

Requested Effective Change Date	**Fall 2018** ~~08/01/2014~~
Department	Materials Science & Engineering
Discipline	Metallurgical Engineering (MET ENG)
Course Number	5480
Title	Refining Of Metals
Abbreviated Course Title	Refining Of Metals

Catalog Description	Principles and applications of **refined metal production by electrochemical methods.** ~~thermochemistry, phase equilibria, and kinetics as applied to the refining of metals and alloys.~~ **The course will address basic copper and zinc processing, electrometallurgy, anodes and anodic processes, cathode deposit control and contamination mechanisms, Faraday's Law and current efficiency, and current state of practice.** ~~Theory of dilute solutions, interaction coefficients and reactions of metals with gases and slags.Analysis and design of refining processes.Optional third credit hour requires a term paper.~~
Prerequisites	**Cer Eng 3230 and** Met Eng **3220** ~~4350~~ or **graduate standing.** ~~Cer Eng 3230.~~
Field Trip Statement	
Credit Hours	LEC: **3** ~~0~~ LAB: 0 IND: 0 RSD: 0 Total: **3** ~~2-3~~
Required for Majors	No
Elective for Majors	**Yes** ~~No~~

Justification for change:	change from independent study to lecture format, update course description.
Semesters previously offered as an experimental course	
Co-Listed Courses:	

Course Reviewer Comments	

Key: 2364

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. CAT entry
11. Peoplesoft

Approval Path

1. 01/31/18 10:36 am
   Greg Hilmas (ghilmas): Approved for RMATSENG Chair
2. 01/31/18 10:50 am
   Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/13/18 1:49 pm
   sraper: Approved for Engineering DSCC Chair
4. 02/20/18 11:47 am
   Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 2:41 pm
   Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 03/08/18 4:45 pm
   sraper: Approved

for Campus
Curricula
Committee Chair

Course Change Request

A deleted record cannot be edited

<div align="center">

Course Deactivation Proposal
</div>

Date Submitted: 02/05/18 10:05 am

Viewing: **MIN ENG 4413 : Material Processing By High-Pressure Water Jet**

File: 1702.1

Last edit: 02/05/18 10:08 am

Changes proposed by: cifarellit

Other Courses referencing this course	In The Catalog Description: MECH ENG 5606 : Material Processing By High-Pressure Water Jet
Requested Effective Change Date	**Fall 2017** ~~08/01/2014~~
Department	Mining & Nuclear Engineering
Discipline	Mining Engineering (MIN ENG)
Course Number	4413
Title	Material Processing By High-Pressure Water Jet
Abbreviated Course Title	Mtl Proc Hghpres Wtr Jet
Catalog Description	Methods of generating high pressure water jets; standard equipment, existing techniques and basic calculations. Applications of water jets to materials cutting and mineral processing. Safety rules. The course will be supported by laboratory demonstrations.
Prerequisites	
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:	Delete 4000 level undergrad courses and teach at a 5000 level. will replace this course in the curriculum with 5413.
Semesters previously offered as an experimental course	
Co-Listed Courses:	MECH ENG 5606 - Material Processing By High-Pressure Water Jet
Course Reviewer Comments	

Approval Path

1. 02/05/18 10:09 am
   Braden lusk (blusk): Approved for RMINNUCL Chair
2. 02/05/18 10:20 am
   Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/13/18 1:48 pm
   sraper: Approved for Engineering DSCC Chair
4. 02/20/18 11:47 am
   Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 2:42 pm
   Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

Key: 1702

6. 03/08/18 4:45 pm
    sraper: Approved
    for Campus
    Curricula
    Committee Chair

Preview Bridge

Course Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 02/05/18 10:06 am

Viewing: **MIN ENG 4422 : Coal Preparation**

File: 2362.1

Last edit: 02/05/18 10:09 am

Changes proposed by: cifarellit

Programs referencing this course	MNRL PR-MI: Mineral Process Eng Minor
Requested Effective Change Date	**Fall 2017** ~~08/01/2014~~
Department	Mining & Nuclear Engineering
Discipline	Mining Engineering (MIN ENG)
Course Number	4422
Title	Coal Preparation
Abbreviated Course Title	Coal Preparation
Catalog Description	Coal properties, sampling, testing, breaking, sizing, cleaning and dewatering. Disposal of refuse.
Prerequisites	Min Eng 3412 and senior standing.
Field Trip Statement	
Credit Hours	LEC: 2 LAB: 1 IND: 0 RSD: 0 Total: 3
Required for Majors	No
Elective for Majors	No
Justification for change:	Delete this 4000 level course and replace with 5000 level in the curriculum. This will be replaced with 5422.
Semesters previously offered as an experimental course	
Co-Listed Courses:	
Course Reviewer Comments	

Key: 2362

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. CAT entry
11. Peoplesoft

Approval Path

1. 02/05/18 10:09 am
   Braden lusk (blusk): Approved for RMINNUCL Chair
2. 02/05/18 10:20 am
   Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/13/18 1:48 pm
   sraper: Approved for Engineering DSCC Chair
4. 02/20/18 11:47 am
   Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 2:43 pm
   Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

6. 03/08/18 4:45 pm
   sraper: Approved
   for Campus
   Curricula
   Committee Chair

Preview Bridge

Course Change Request

Date Submitted: 10/31/17 12:16 pm

Viewing: **MIN ENG 5413 : Material Processing by High Pressure Water Jet** ~~Adv Mtl Proc Hghpres Wtr Jet~~

File: 500.1

Last edit: 03/09/18 9:53 am

Changes proposed by: cifarellit

Requested Effective Change Date	**Fall 2018** ~~08/01/2014~~
Department	Mining & Nuclear Engineering
Discipline	Mining Engineering (MIN ENG)
Course Number	5413
Title	**Material Processing by High Pressure Water Jet** ~~Adv Mtl Proc Hghpres Wtr Jet~~
Abbreviated Course Title	~~Adv~~ Mtl Proc Hghpres Wtr Jet
Catalog Description	**Methods of generating high pressure water jets; standard equipment, existing techniques and basic calculations. Applications of water jets to materials cutting and mineral processing. Safety rules. The course will be supported by laboratory demonstrations.** ~~Advanced methods for continuously generating high pressure, power calculations, applications of waterjets in the mining and manufacturing industries, and safety considerations.Research paper or design project required.~~
Prerequisites	~~Mi Eng 4413 or Consent of Instructor.~~
Field Trip Statement	
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3
Required for Majors	No
Elective for Majors	**Yes** ~~No~~
Justification for change:	Course was being offered to graduate and undergraduate students under two separate course numbers. 5413 was selected as the course number to utilize based on recommendations of the curriculum committee.
Semesters previously offered as an experimental course	
Co-Listed Courses:	**MECH ENG 5606 - Material Processing By High-Pressure Water Jet**
Course Reviewer Comments	**sraper (11/29/17 11:04 am):** checked "elective for majors" **ershenb (03/09/18 9:53 am):** Removed "Co-listed with Mech Eng 5606." from the prerequisites section.

Key: 500

Curricula
Committee Chair

Preview Bridge

Course Change Request

Date Submitted: 10/31/17 12:22 pm

Viewing: **MIN ENG 5422 : ~~Advanced~~ Coal Preparation**

File: 2019.1

Last edit: 03/09/18 9:52 am

Changes proposed by: cifarellit

Requested Effective Change Date	**Fall 2018** ~~08/01/2014~~
Department	Mining & Nuclear Engineering
Discipline	Mining Engineering (MIN ENG)
Course Number	5422
Title	~~Advanced~~ Coal Preparation
Abbreviated Course Title	~~Advanced~~ Coal Preparation
Catalog Description	**Coal properties, sampling, testing, breaking, sizing, cleaning and dewatering. Disposal of refuse.** ~~Advanced methods for designing coal processing circuitry and practices, flowsheet design, sampling, advanced ash and moisture analyzers; coarse, intermediate, and fine coal cleaning; dewatering; dry coal cleaning research.Research paper or design project required.~~
Prerequisites	**Min Eng 2412.** ~~Mi Eng 4422 or Consent of Instructor.~~
Field Trip Statement	
Credit Hours	LEC: 2 LAB: 1 IND: 0 RSD: 0 Total: 3
Required for Majors	No
Elective for Majors	**Yes** ~~No~~
Justification for change:	Course was being offered to graduate and undergraduate students under two separate course numbers. 5422 was selected as the course number to utilize based on recommendations of the curriculum committee.
Semesters previously offered as an experimental course	
Co-Listed Courses:	
Course Reviewer Comments	**sraper (11/29/17 11:14 am):** checked "elective for majors" **ershenb (03/09/18 9:52 am):** Removed "consent of instructor" from prerequisites.

Key: 2019

Curricula
Committee Chair

Preview Bridge

Course Change Request

New Course Proposal

Date Submitted: 01/22/18 2:55 pm

Viewing: **MS&E 5060 : Chemistry of Construction Materials**

File: 4513

Last edit: 03/08/18 2:45 pm

Changes proposed by: kumarad

Requested Effective Change Date	Fall 2018
Department	Materials Science & Engineering
Discipline	Materials Science & Eng (MS&E)
Course Number	5060
Title	Chemistry of Construction Materials
Abbreviated Course Title	Const Mat Chem

Catalog Description

The objective of the course is to utilize fundamental concepts of materials science and chemistry to understand, analyze, and describe the chemistry of construction materials. Special focus is given to describe composition-reactivity-microstructure-property relations in various cementitious materials.

Prerequisites

At least Senior 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:

The course has been previously offered on two occasions -- as an experimental course (MSE 5001/6001) -- in Spring semester of 2016 and Fall semester of 2017.

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. CAT entry
11. Peoplesoft

Approval Path

1. 01/22/18 2:58 pm Greg Hilmas (ghilmas): Approved for RMATSENG Chair
2. 01/22/18 3:52 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 01/31/18 3:00 pm sraper: Approved for Engineering DSCC Chair
4. 02/20/18 11:47 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post

Semesters
previously
offered as an
experimental
course
  Spring 2016
  Fall 2017

  Spring 2016 enrollment (5001)- 5
  Fall 2016 enrollment (6001)- 13

Co-Listed
Courses:

5. 03/08/18 2:45 pm
  Brittany Parnell
  (ershenb):
  Approved for CCC
  Meeting Agenda
6. 03/08/18 4:45 pm
  sraper: Approved
  for Campus
  Curricula
  Committee Chair

Course Reviewer Comments	**sraper (01/23/18 2:43 pm):** took .00 our of hours (3.00) put 3 in total as it was zero. Changed to elective for majors. Will inquire about prereq statement. Not sure if this was approved at EC stage with "Senior undergraduate". **ershenb (03/08/18 2:45 pm):** removed "Senior Undergraduate" in prereqs and added " At least Senior Standing."

Key: 4513

Preview Bridge

Course Change Request

<div align="center">

New Course Proposal

</div>

Date Submitted: 01/22/18 2:59 pm

Viewing: **MS&E 6060 : Advanced Chemistry of Construction Materials**

File: 4514

Last edit: 03/08/18 2:48 pm

Changes proposed by: kumarad

Requested Effective Change Date	Fall 2018
Department	Materials Science & Engineering
Discipline	Materials Science & Eng (MS&E)
Course Number	6060
Title	Advanced Chemistry of Construction Materials
Abbreviated Course Title	Adv Chem Const Mat

Catalog Description	To describe fundamental composition-reactivity-microstructure-property relationships in construction materials. Tests will include quizzes, written-exams, as well as a term paper and a presentation on a topic relevant to the course.
Prerequisites	
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:	The course has been previously offered on two occasions -- as an experimental course (MSE 5001/6001) -- in Spring semester of 2016 and Fall semester of 2017.
Semesters previously offered as an experimental course	Spring 2016 Fall 2017 Spring 2016 enrollment (5001) - 5 Fall 2017 enrollment(6001) - 13
Co-Listed Courses:	

Course Reviewer Comments	**sraper (01/23/18 2:44 pm):** Fixed credit hours from 3.00 to 3 etc. Checked elective for majors. Will make inquiry about catalog description. Not sure if it was approved this way at EC level. **ershenb (03/08/18 2:48 pm):** removed "Graduate Standing" from prerequisite.

Key: 4514

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. CAT entry
11. Peoplesoft

Approval Path

1. 01/22/18 3:12 pm Greg Hilmas (ghilmas): Approved for RMATSENG Chair
2. 01/22/18 3:55 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 01/31/18 3:01 pm sraper: Approved for Engineering DSCC Chair
4. 02/20/18 11:47 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 2:48 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 03/08/18 4:45 pm sraper: Approved for Campus

Curricula
Committee Chair

Course Change Request

<div align="center">**New Course Proposal**</div>

Date Submitted: 01/10/18 4:23 pm

Viewing: **PSYCH 3501 : Drugs and Behavior**

File: 4510

Last edit: 01/22/18 1:59 pm

Changes proposed by: hensleea

Requested Effective Change Date	Fall 2018
Department	Psychological Science
Discipline	Psychology (PSYCH)
Course Number	3501
Title	Drugs and Behavior
Abbreviated Course Title	Drugs and Behavior

Catalog Description	An introduction to the behavioral effects of drugs. A broad range of topics are covered including the 1) History of therapeutic and recreational drug use and abuse 2) Consequences of drug abuse and addiction 3) Behavioral, psychological, and physiological effects of drugs 4) Research methods used to study drugs 5) Effective treatments for drug problems.
Prerequisites	Psych 1001.
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:	To continue to provide an upper-level social science elective for engineering majors and to expand the clinical curriculum electives for psychology majors.
Semesters previously offered as an experimental course	Fall 2016 and Fall 2017

Fall 2016 enrollment- 16
Fall 2017 enrollment- 23 |
| Co-Listed Courses: | |

Course Reviewer Comments	

Key: 4510

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. 01/11/18 12:48 pm murray: Approved for RPSYCHOL Chair
2. 01/22/18 2:00 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/01/18 9:22 am Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
4. 02/20/18 11:48 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 2:49 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 03/08/18 4:45 pm sraper: Approved

for Campus
Curricula
Committee Chair

Preview Bridge

Course Change Request

Date Submitted: 02/11/18 8:19 pm

Viewing: **PSYCH 6602 : Employee Affect and Behavior** ~~Job Attitudes, Emotions,~~ ~~and Discretionary Behaviors~~

File: 4359.4

Last approved: 01/26/17 3:15 am

Last edit: 02/12/18 10:54 am

Changes proposed by: weidnern

<table>
<tr><td>Programs referencing this course</td><td>INORGPS-MS: Industrial Organizational Psychology MS</td></tr>
<tr><td>Requested Effective Change Date</td><td>**Summer 2018** ~~Fall 2017~~</td></tr>
<tr><td>Department</td><td>Psychological Science</td></tr>
<tr><td>Discipline</td><td>Psychology (PSYCH)</td></tr>
<tr><td>Course Number</td><td>6602</td></tr>
<tr><td>Title</td><td>**Employee Affect and Behavior** ~~Job Attitudes, Emotions, and Discretionary Behaviors~~</td></tr>
<tr><td>Abbreviated Course Title</td><td>**Affect** ~~Emotions~~ and Behavior</td></tr>
<tr><td>Catalog Description</td><td>Theory and research surrounding employee attitudes, emotions, and behaviors with an emphasis on antecedents and outcomes of: job satisfaction, engagement, organizational justice, trait and state positive and negative affect, organizational citizenship, counterproductive work, and proactive behaviors and the Implications for both employees and organizations.</td></tr>
<tr><td>Prerequisites</td><td>Psych 5010.</td></tr>
<tr><td>Field Trip Statement</td><td></td></tr>
<tr><td>Credit Hours</td><td>LEC: 3   LAB: 0   IND: 0   RSD: 0   Total: 3</td></tr>
<tr><td>Required for Majors</td><td>Yes</td></tr>
<tr><td>Elective for Majors</td><td>No</td></tr>
<tr><td>Justification for change:</td><td>The old name was too long. Students were getting confused about it. Employee Affect and Behavior is a good name for the course which fits with it's objectives. The short title has been changed as well.

This course will be offered for the first time in SS 2018. If we can get the change done before then, it will never have been offered under the long name.</td></tr>
<tr><td>Semesters previously offered as an</td><td></td></tr>
</table>

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. 02/10/18 7:08 pm murray: Rollback to Initiator
2. 02/12/18 9:22 am murray: Approved for RPSYCHOL Chair
3. 02/12/18 10:55 am Brittany Parnell (ershenb): Approved for CCC Secretary
4. 02/13/18 9:47 pm Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
5. 02/20/18 11:48 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
6. 03/08/18 2:50 pm Brittany Parnell (ershenb):

experimental course		
Co-Listed Courses:		7. 03/08/18 4:46 pm sraper: Approved for Campus
Course Reviewer Comments	**murray (02/10/18 7:08 pm):** Rollback: the short title still has emotion. You sure about that? thanks	Curricula Committee Chair

Key: 4359

Preview Bridge

Course Change Request

New Course Proposal

Date Submitted: 01/31/18 8:35 pm

Viewing: **TCH COM 3550 : Writing for Social Media**

File: 4521

Last edit: 03/12/18 9:20 am

Changes proposed by: kswenson

Requested Effective Change Date	Fall 2018
Department	English and Technical Communication
Discipline	Technical Communication (TCH COM)
Course Number	3550
Title	Writing for Social Media
Abbreviated Course Title	Writing for Social Media

Catalog Description

The theory and practice of writing for social media. Emphasis on the role of social media in industry.

Prerequisites

One semester of college composition or technical writing.

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:

Required for new minor, Social Media in Industry. See separate proposal with syllabus.

Semesters previously offered as an

In Workflow

1. **RENGLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanties 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. 01/31/18 8:52 pm Kristine Swenson (kswenson): Approved for RENGLISH Chair
2. 02/01/18 3:43 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/02/18 11:45 am Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 02/20/18 11:48 am Brittany Parnell

experimental
course
  N/A

Co-Listed
Courses:
  ENGL 3550 - Course Not Found

Course Reviewer
Comments
  ershenb (03/12/18 9:20 am): Removed "Co-listed as ENGL 3550 Writing for Social
Media." from Catalog Description.

Key: 4521

(ershenb):
Approved for
Pending CCC
Agenda post
5. 03/12/18 9:20 am
Brittany Parnell
(ershenb):
Approved for CCC
Meeting Agenda
6. 03/12/18 9:42 am
sraper: Approved
for Campus
Curricula
Committee Chair

Preview Bridge

Course Change Request

New Course Proposal

Date Submitted: 01/31/18 5:13 pm

Viewing: **TCH COM 3580 : Business Communication**

File: 4520

Last edit: 02/02/18 11:48 am

Changes proposed by: kswenson

Requested Effective Change Date	Fall 2018
Department	English and Technical Communication
Discipline	Technical Communication (TCH COM)
Course Number	3580
Title	Business Communication
Abbreviated Course Title	Business Communication

Catalog Description

The principles and practice of business communication. Covers topics such as genres of business writing, business uses of social media, branding and content strategy, and intercultural business communication.

Prerequisites

One semester of college composition or technical writing.

Field Trip Statement

N/A

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0	Total: 3
Required for Majors	No				
Elective for Majors	Yes				

Justification for new course:

Required for our new minor (proposed) in Social Media in Industry. See that proposal for justification.

Semesters previously

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. 01/31/18 5:19 pm Kristine Swenson (kswenson): Approved for RENGLISH Chair
2. 02/02/18 11:34 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/02/18 11:48 am Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 02/20/18 11:48 am

offered as an
experimental
course
  N/A

Co-Listed
Courses:

Course Reviewer
Comments
  dewittp (02/02/18 11:48 am): Marked elective for majors.

Key: 4520

Brittany Parnell
(ershenb):
Approved for
Pending CCC
Agenda post
5. 03/12/18 9:21 am
Brittany Parnell
(ershenb):
Approved for CCC
Meeting Agenda
6. 03/12/18 9:42 am
sraper: Approved
for Campus
Curricula
Committee Chair

Program Change Request

Date Submitted: 12/07/17 5:41 pm

Viewing: MATH-MST : Mathematics MST

File: 84.7

Last approved: 06/27/16 9:25 am

Last edit: 12/07/17 5:41 pm

Changes proposed by: prunnion

Catalog Pages Using this Program
Mathematics and Statistics

Start Term
Fall **2018** 2016
Program Code
MATH-MST
Department
Mathematics & Statistics
Title
Mathematics MST
Program Requirements and Description

The master of science for teachers program is primarily designed for secondary school teachers in the physical sciences and mathematics. The program of study must include at least 32 hours of courses numbered **at the 4000-level or** above 2000 in science and mathematics, three hours of which must be **at the** at the 6000-level. **A student** No more than six hours may **substitute up to six credit hours of coursework** be at the **3000 level in place of six hours of 4000 level courses;** 2000-level; any such courses must be from departments other than mathematics and statistics and are subject **to** to the approval **of** of the student's master's committee.

Justification for request
This change is being made to bring this degree into compliance with the standard that 2000-level courses are not permitted for graduate degree programs.
Supporting Documents
Course Reviewer Comments

Key: 84

Program Change Request

New Program Proposal

Date Submitted: 02/11/18 3:35 pm

Viewing: **PROPOSED : Game Studies (Minor)**

File: 259

Last edit: 02/12/18 3:15 pm

Changes proposed by: kswenson

Start Term

Fall 2018

Program Code

PROPOSED

Department

English and Technical Communication

Title

Game Studies (Minor)

Program Requirements and Description

Approval Path

1. 02/11/18 3:43 pm Kristine Swenson (kswenson): Approved for RENGLISH Chair
2. 02/12/18 1:55 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/12/18 3:15 pm Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 02/20/18 11:47 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/12/18 9:22 am Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 03/12/18 9:42 am sraper: Approved for Campus Curricula Committee Chair

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

3. Develop ways to use games as learning tools

Requirements:

1.   TCH COM or ENGL 3590 Game Studies

2.   TCH COM 5530 - Usability Studies

3.   English 1170--Creative Writing Fiction OR English 2171--Fiction Writing

4.   One of the following:

•   English 2243--Science Fiction

•   English 2244--Fantasy Literature

- *English 2001--Graphic Novel*

[See attachments for more details]

Justification for request
. Student demand to study games as an entertainment medium, as a learning tool, and as career field is high and increasing. Additionally, dozens of colleges and universities worldwide offeer both degrees and minors in game studies, creating a vast and growing scholarly and learning community. This is a field that needs study and research from Missouri's premier science and technology university.

Games permeate society and culture in a number of significant ways. In fiction studies, games are a unique narrative medium that features interaction between reader (player) and author (developer). Like theatre, games are a collaborative art that includes cinema, animation, computer science, communication theory, and visual art. Through games, cognitive science, art, and media communication work together in production. A Game Studies minor therefore highlights interdisciplinarity and broadens skills/training of STEM, Psychological Science, Communication, and Humanities students

Supporting Documents
Game Studies Syllabus.docx
Game Studies Minor Proposal.doc
Course Reviewer Comments
ershenb (02/12/18 11:32 am): added "l" to Graphic Nove
dewittp (02/12/18 3:15 pm): Clarified course requirements

Key: 259

Program Change Request

New Program Proposal

Date Submitted: 01/31/18 5:04 pm

Viewing: **PROPOSED : Minor in Social Media in Industry**

File: 258

Last edit: 02/01/18 8:18 am

Changes proposed by: kswenson

Start Term

Fall 2018

Program Code

PROPOSED

Department

English and Technical Communication

Title

Minor in Social Media in Industry

Program Requirements and Description

Approval Path

1. 01/31/18 5:06 pm Kristine Swenson (kswenson): Approved for RENGLISH Chair
2. 02/01/18 8:21 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/02/18 11:43 am Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 02/20/18 11:48 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/12/18 9:22 am Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 03/12/18 9:42 am sraper: Approved for Campus Curricula Committee Chair

The purpose of this minor will be to supplement existing degree programs with the latest knowledge concerning social media. Objectives include training students to write for social media, brand and market products via social media, use social media to conduct user research, and create and manage social media sites such as user forums. "Technical communicators are uniquely suited to serve as community managers of companies' online help forums" (Jordan Frith, "Forum Moderation as Technical Communication: The Social Web and Employment Opportunities for Technical Communicators").

1. **ENGL/TCH COM 3550 Writing for Social Media (new course--required)**
2. *TCH COM 3580 Business Communication (new course--required)*
3. *ENGL/TCH COM 2560 Technical Marketing Communication (existing course--required)*
4. *One of the Following: TCH COM 5560 Web-Based Communication, TCH COM 4520 Help Authoring, TCH COM 3440 Theory of Visual Technical Communication*

No new faculty will be required for this minor.

Justification for request

Technical communication students are routinely asked about their social media skills during job interviews. Because "social media is increasingly becoming a standard part of the technical communicator's toolkit" (Kirk St. Amant, "Reconsidering Social Media for Global Contexts"), students are anxious to acquire the latest theoretical and practical knowledge in this area. Other students, such as those majoring in business, IST, Ensligh, and the sciences, would also benefit from this minor. Almost every major company in the United States is now actively pursuing social media as a method for branding and building relationships with customers. Technical communicators are using it to connect with, and learn about, users of products and documents. Therefore, there is a high demand for employees with professional (rather than just casual) training in social media use.

Supporting Documents

Social Media Minor 12-21[2].doc
business communication syllabus[1].docx
Writing for Social Media SYLLABUS.docx
New Courses[1].docx
Course Reviewer Comments
ershenb (02/01/18 8:18 am): .

Key: 258

New Experimental Course Proposal

Date Submitted: 02/01/18 1:02 pm

Viewing: **HISTORY 2001.001 : History of Mexico**

File: 4522

Last edit: 03/08/18 3:05 pm

Changes proposed by: sfogg

Requested Effective Change Date	Fall 2018
Department History and Political Science	
Discipline History (HISTORY)	
Course Number	2001
Topic ID	001
Experimental Title	

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. 02/01/18 1:04 pm sfogg: Approved for RHISTORY Chair
2. 02/01/18 2:10 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/02/18 11:41 am Petra Dewitt (dewittp):

Approved for Arts & Humanities DSCC Chair

4. 02/20/18 11:47 am
   Brittany Parnell (ershenb): Approved for Pending CCC Agenda post

5. 03/08/18 3:06 pm
   Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

6. 03/08/18 4:44 pm
   sraper: Approved for Campus Curricula Committee Chair

7. 03/09/18 8:23 am
   Marita Tibbetts (tibbettsmg): Approved for CAT entry

History of Mexico

Experimental Abbreviated Course Title	History of Mexico
Instructors	Rebecca Crosthwait

Experimental

Catalog

Description

  Examination of social, cultural, economic, and political history of modern Mexico
  since independence. Special attention given to indigenous peoples; modernization;
  and Mexico's history of nation-building, protest, and revolution. Provides
  understanding of the particular relationships and interconnections Mexico has with
  the world and in particular, the U.S.

Prerequisites

  One of either History 1100, 1200, 1300 or 1310.

Field Trip

Statement

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

  Total: 3

Justification for

new course:

  Need an upper-level replacement for an instructor that received a grant in January.
  The course will add diversity to the offerings in the department.

Semester(s)

previously taught

Co-Listed

Courses:

Course Reviewer

Comments

  ershenb (03/08/18 3:05 pm): added "One of" and removed repeating "History" out
  of prerequisite.

Key: 4522

Preview Bridge

Course Change Request

New Experimental Course Proposal

Date Submitted: 02/02/18 1:33 pm

Viewing: **PET ENG 6001.009 : Applications of Data Analytics in Petroleum Engineering**

File: 4523

Last edit: 03/12/18 11:21 am

Changes proposed by: reflori

Requested Effective Change Date	Fall 2018
Department	Geosciences and Geological and Petroleum Engineering
Discipline	Petroleum Engineering (PET ENG)
Course Number	6001
Topic ID	009
Experimental Title	Applications of Data Analytics in Petroleum Engineering
Experimental Abbreviated Course Title	Applic Data Analyt Pet E
Instructors	Mingzhen Wei
Experimental Catalog Description	Introduction to data analytics such as data quality mining, fundamental statistical analysis, artificial intelligent methods, goal identification and problem formulation, data analytics methods and selection, and pattern/knowledge discovery. Coursework will include petroleum engineering case studies, group/individual projects and literature review.
Prerequisites	Graduate Standing.
Field Trip Statement	
Credit Hours	LEC: 2 LAB: 1 IND: 0 RSD: 0 Total: 3
Justification for new course:	Applications of data analytics are multiplying in oilfield operations. Pet Eng students are taking lower level courses in business in data analytics, which we will still encourage, but we wanted to offer an advanced class which is designed to focus on petroleum engineering applications.
Semester(s) previously taught	N/A
Co-Listed Courses:	
Course Reviewer Comments	**ershenb (03/12/18 11:21 am):** Removed "Programming skills and consent of instructor." and replaced with "Graduate Standing" in the prerequisites.

Key: 4523

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. **CAT entry**
8. **Registrar**

Approval Path

1. 02/02/18 2:13 pm David Borrok (borrokd): Approved for RGEOSENG Chair
2. 02/02/18 3:52 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/13/18 1:49 pm sraper: Approved for Engineering DSCC Chair
4. 02/20/18 11:47 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/12/18 11:21 am Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 03/12/18 11:29 am sraper: Approved for Campus Curricula Committee Chair
7. 03/12/18 11:43 am

Marita Tibbetts
(tibbettsmg):
Approved for CAT
entry

Preview Bridge

Course Change Request

New Experimental Course Proposal

Date Submitted: 01/16/18 5:31 pm

Viewing: **PSYCH 3001.003 : Psychology of Human Sexuality**

File: 4511

Last edit: 03/08/18 3:12 pm

Changes proposed by: bakerden

Requested Effective Change Date	Fall 2018
Department	Psychological Science
Discipline	Psychology (PSYCH)
Course Number	3001
Topic ID	003
Experimental Title	Psychology of Human Sexuality
Experimental Abbreviated Course Title	Psych of Human Sexuality
Instructors	Denise A Baker

Experimental Catalog Description

Explores research from neuro, cognitive, and social psychology related to aspects of human sexuality such as sexual development, love and attraction, gender and gender roles, and reproductive health. Students will also gain an understanding of key biological and neurological factors that influence human sexual anatomy, behaviors, beliefs, and attitudes.

Prerequisites

Psych 1101.

Field Trip Statement

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

Justification for new course:

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. 01/17/18 9:02 am murray: Approved for RPSYCHOL Chair
2. 01/22/18 1:53 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/01/18 9:22 am Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
4. 02/20/18 11:48 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 03/08/18 3:12 pm Brittany Parnell (ershenb):

The course materials will be a relevant and important elective to undergraduate students majoring in psychology (especially clinical psychology or neuroscience). The course may also be relevant to student majoring in biology and students from other disciplines may also benefit from taking this course as an elective.

Semester(s)
previously taught
  NA

Co-Listed
Courses:

Course Reviewer
Comments
  ershenb (03/08/18 3:12 pm): Removed "instructor permission" from prerequisites

Approved for CCC
Meeting Agenda
6. 03/08/18 4:45 pm
   sraper: Approved
   for Campus
   Curricula
   Committee Chair
7. 03/09/18 8:21 am
   Marita Tibbetts
   (tibbettsmg):
   Approved for CAT
   entry

Key: 4511

Preview Bridge