Campus Curricula Committee Meeting Agenda  
March 7, 2018  
2:00-3:30 p.m., 216 Parker Hall  
(For Faculty Senate Meeting of March 22, 2018)

Review of submitted Course Change forms:
- 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: 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

Review of submitted 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

Review of submitted 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
Review of Tabled Items:
File: 500.1  MIN ENG 5413: Material Processing by High Pressure Water Jet
File: 2019.1  MIN ENG 5422: Coal Preparation

Discussion from Kate Drowne for a proposal to implement graduate-level education courses through Project Lead The Way with a variable credit course.
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: Fall 2018

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:


Field Trip Statement: NA

Credit Hours:

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Required for Majors: No

Elective for Majors: Yes

Justification for new course:

This class has been 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.

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 (duvernellld):
   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
Semesters previously offered as an experimental course

<p>| | |</p>
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Co-Listed Courses:

Course Reviewer Comments

Key: 4506
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**

**Department** Biological Sciences

**Discipline** Biological Sciences (BIO SCI)

**Course Number** S343

**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**

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**Required for Majors** No

**Elective for Majors** Yes

**Justification for new course:** 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**

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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 Pending CCC Agenda post

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https://nextcatalog.mst.edu/courseleaf/courseleaf.cgi?page=/courseadmin/4505/index.html... 2/21/2018
## Course Change Request

### New Course Proposal

**Date Submitted:** 12/07/17 4:47 pm  
**Viewing:** **BIO SCI 6373:** Advanced Stem Cell Biology  
**File:** 4507  
**Last edit:** 12/08/17 9:39 am  
**Changes proposed by:** niyogid  

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<td>Biological Sciences</td>
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<tr>
<td><strong>Discipline</strong></td>
<td>Biological Sciences (BIO SCI)</td>
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<tr>
<td><strong>Course Number</strong></td>
<td>6373</td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td>Advanced Stem Cell Biology</td>
</tr>
<tr>
<td><strong>Abbreviated Course Title</strong></td>
<td>Adv Stem Cell Bio</td>
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</tbody>
</table>

**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:** Graduate standing.

**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.

**Co-Listed Courses:**

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### 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
### Course Change Request

**Course:** EDUC 3203 | EDUC 2203

**Title:** Introduction to STEM Education | Problems Of Teaching Mathematics

**File:** 2494.2

**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. 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:**

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**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): Approved for Pending CCC Agenda post

**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

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<td><strong>Department</strong></td>
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<td><strong>Title</strong></td>
<td>Teaching Science in the Elementary Classroom</td>
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<tr>
<td><strong>Abbreviated Course Title</strong></td>
<td>Teaching Science</td>
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</table>

**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.

<table>
<thead>
<tr>
<th><strong>Prerequisites</strong></th>
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<td><strong>Field Trip Statement</strong></td>
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<td><strong>Elective for Majors</strong></td>
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**Justification for new course:** Seeking a new permanent number

<table>
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<td>Fall 2015</td>
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<table>
<thead>
<tr>
<th>Co-Listed Courses:</th>
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<tbody>
<tr>
<td>Fall 2015 enrollment: 10</td>
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<td>Fall 2017 enrollment: 15</td>
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**Course Reviewer Comments**

**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

https://nextcatalog.mst.edu/courseleaf/courseleaf.cgi?page=/courseadmin/4517/index.html...  2/21/2018
# 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

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<tr>
<td>Department</td>
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<td>Discipline</td>
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<tr>
<td>Title</td>
<td>Literature for Children</td>
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<tr>
<td>Abbreviated Course Title</td>
<td>Literature for Children</td>
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</table>

**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:**

**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

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https://nextcatalog.mst.edu/courseleaf/courseleaf.cgi?page=/courseadmin/4519/index.html...  
2/21/2018
# Course Change Request

## New Course Proposal

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

**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

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<tr>
<td>Title</td>
<td>Integrated Social Studies and Humanities for the Elementary Classroom</td>
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<tr>
<td>Abbreviated Course Title</td>
<td>Teaching Social Studies</td>
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**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:**

<table>
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<th>Required for Majors</th>
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<tr>
<td>Elective for Majors</td>
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**Justification for new course:** Seeking a new permanent number.

**Semesters previously offered as an experimental course:**

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**Co-Listed Courses:**

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**Course Reviewer Comments:**

**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): Approved for Pending CCC Agenda post

**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:**

<table>
<thead>
<tr>
<th>Required for Majors</th>
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<tr>
<td>Elective for Majors</td>
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**Justification for new course:** Seeking a new permanent number.

**Semesters previously offered as an experimental course:**

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**Co-Listed Courses:**

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<th>Spring 2016 enrollment- 11</th>
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**Course Reviewer Comments:**

**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): Approved for Pending CCC Agenda post

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https://nextcatalog.mst.edu/courseleaf/courseleaf.cgi?page=/courseadmin/4518/index.html...  
2/21/2018
Course Change Request

### New Course Proposal

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<td>4527</td>
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<tr>
<td>Last edit:</td>
<td>02/21/18 2:01 pm</td>
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<tr>
<td>Changes proposed by:</td>
<td>kdrowne</td>
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<table>
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<th>Requested Effective Change Date</th>
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<td>Department</td>
<td>History and Political Science</td>
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<tr>
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<td>Title</td>
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<tr>
<td>Abbreviated Course Title</td>
<td>PLTW Training</td>
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| 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. These PLTW training courses have been taught regularly on our campus for more than ten years. |
| Semesters previously offered as an experimental course | |

### 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 |
Co-Listed Courses:

<table>
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<th>Course Reviewer</th>
<th>Comments</th>
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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 Fall 2018 08/01/2014
Effective Change Date

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 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.)

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
## Course Change Request

### New Course Proposal

<table>
<thead>
<tr>
<th>Requested</th>
<th>Fall 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective Change Date</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Electrical and Computer Engineering</td>
</tr>
<tr>
<td>Discipline</td>
<td>Electrical Engineering (ELEC ENG)</td>
</tr>
<tr>
<td>Course Number</td>
<td>5680</td>
</tr>
<tr>
<td>Title</td>
<td>Introduction to Radar Systems</td>
</tr>
<tr>
<td>Abbreviated Course Title</td>
<td>Intro to Radar Systems</td>
</tr>
</tbody>
</table>

| 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 | EE 3400 and EE 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 |
| Co-Listed Courses | |

### 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. 02/20/18 11:42 am
   Brittany Parnell (ershenb): Approved for 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

---

[Current Catalog Link](https://nextcatalog.mst.edu/courseleaf/courseleaf.cgi?page=/courseadmin/4512/index.html... 2/21/2018)
sraper (01/23/18 2:40 pm): Changed prereq from a comma to an and between both courses to strengthen.
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: 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 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 offer 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

Approval Path

1. 02/11/18 3:43 pm
   Kristine Swenson (kswenson): Approved for ENGLISH Chair
2. 02/12/18 1:56 pm
   Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/20/18 11:42 am
   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. 02/18/18 3:24 pm
   Brittany Parnell (ershenb): Approved for CCC Agenda post
6. 02/20/18 11:42 am
   Registrar
7. 02/20/18 11:42 am
   Campus Curricula Committee Chair
8. 02/20/18 11:42 am
   FS Meeting Agenda Chair
9. 02/20/18 11:42 am
   Faculty Senate Chair
10. 02/20/18 11:42 am
    Registrar CAT entry
11. Peoplesoft
# 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

<table>
<thead>
<tr>
<th>Programs referencing this course</th>
<th>GL&amp;GPH-BS: Geology and Geophysics BS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Other Courses referencing this course</th>
<th>In The Prerequisites:</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>In The Prerequisites:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>GEOLOGY 5741: Micropaleontology</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>GEOLOGY 6611: Advanced Palynology</th>
</tr>
</thead>
</table>

**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:**

<table>
<thead>
<tr>
<th>LEC: 2</th>
<th>LAB: 1</th>
<th>IND: 0</th>
<th>RSD: 0</th>
<th>Total: 3</th>
</tr>
</thead>
</table>

**Required for Majors:** No

**Elective for Majors:** Yes

**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 approved:**

- Fall 2016

**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. 02/20/18 11:43 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

**History**

1. Jun 27, 2016 by ikuenobe (1211.1)
offered as an experimental course

Co-Listed Courses:

<table>
<thead>
<tr>
<th>Course Reviewer</th>
<th>Comments</th>
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<tbody>
<tr>
<td>ershenb (01/22/18 2:24 pm)</td>
<td>moved Field Trip statement up to the Catalog Description.</td>
</tr>
<tr>
<td>ershenb (01/22/18 2:25 pm)</td>
<td>updated Start Term to Fall 2018.</td>
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</tbody>
</table>
## 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

### Prerequisites
- Geology 3631 or Geology 5741

### 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

### Approval Path
1. 01/12/18 4:25 pm  
- David Borrok (borrokd): Approved for RGEOSENG Chair
2. 01/22/18 1:55 pm  
- Brittany Parnell (ershenb): Approved for CCC Secretary
3. 01/31/18 9:27 am  
- Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 02/20/18 11:47 am  
- Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
Course Change Request

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

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

File: 1498.1

Last edit: 01/31/18 2:17 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 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 and Math (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:

Course Reviewer Comments

In Workflow
1. RMATHEMA Chair
2. CCC Secretary Chair
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. 01/08/18 3:37 pm sclark: Approved for RMATHEMA Chair
2. 01/11/18 9:12 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 02/20/18 11:47 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
4. 01/31/18 2:17 pm Katie Shannon (shannonk): Approved for Sciences DSCC Chair
# Course Change Request

**Viewing:** MATH 6418 : Functional Analysis II  
**File:** 1494.1  
**Last edit:** 01/31/18 2:17 pm  
**Changes proposed by:** prunnion

<table>
<thead>
<tr>
<th>Date Submitted: 01/08/18 3:33 pm</th>
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</table>

### Viewing: MATH 6418 : Functional Analysis II

- **File:** 1494.1
- **Last edit:** 01/31/18 2:17 pm
- **Changes proposed by:** prunnion

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<tr>
<th>Effective Change Date</th>
<th>Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2018 08/01/2014</td>
<td></td>
</tr>
</tbody>
</table>

**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

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

**Field Trip Statement:**

<table>
<thead>
<tr>
<th>Co-Listed Courses:</th>
</tr>
</thead>
</table>

**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.

**Approval Path:**

1. 09/07/17 1:22 pm  
   sclark: Approved for RMA overwhelmed Chair  
2. 09/08/17 10:20 am  
   Brittany Parnell (ershenb): Approved for CCC Secretary
3. 01/08/18 3:30 pm  
   Kristy Giacomelli (kristyg): Rollback to Initiator
4. 01/08/18 3:37 pm  
   sclark: Approved for RMA overwhelmed Chair  
5. 01/11/18 9:13 am  
   Brittany Parnell (ershenb): 

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https://nextcatalog.mst.edu/courseleaf/courseleaf.cgi?page=/courseadmin/1494/index.html...  
2/21/2018
<table>
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<th>Approval Date</th>
<th>Time</th>
<th>Approved By</th>
<th>Approval Note</th>
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<tbody>
<tr>
<td>01/31/18</td>
<td>2:18 pm</td>
<td>Katie Shannon</td>
<td>Approved for Sciences DSCC</td>
</tr>
<tr>
<td>02/20/18</td>
<td>11:47 am</td>
<td>Brittany Parnell</td>
<td>Approved for Pending CCC</td>
</tr>
</tbody>
</table>
# 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

<table>
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<tr>
<th>Requested</th>
<th>Fall 2018 08/01/2014</th>
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<tbody>
<tr>
<td>Effective Change Date</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Materials Science &amp; Engineering</td>
</tr>
<tr>
<td>Discipline</td>
<td>Metallurgical Engineering (MET ENG)</td>
</tr>
<tr>
<td>Course Number</td>
<td>5480</td>
</tr>
<tr>
<td>Title</td>
<td>Refining Of Metals</td>
</tr>
<tr>
<td>Abbreviated Title</td>
<td>Refining Of Metals</td>
</tr>
<tr>
<td>Catalog Description</td>
<td>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.</td>
</tr>
<tr>
<td>Prerequisites</td>
<td>Cer Eng 3230 and Met Eng 3220 4350 or graduate standing. Cer Eng 3230.</td>
</tr>
<tr>
<td>Field Trip Statement</td>
<td></td>
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<td>Credit Hours</td>
<td>LEC: 3</td>
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<tr>
<td>Required for Majors</td>
<td>No</td>
</tr>
<tr>
<td>Elective for Majors</td>
<td>Yes No</td>
</tr>
<tr>
<td>Justification for change:</td>
<td></td>
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</tbody>
</table>
change from independent study to lecture format, update course description.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

Pending CCC
Agenda post

Page 2 of 2
## Course Change Request

A deleted record cannot be edited

### Course Deactivation Proposal

**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

<table>
<thead>
<tr>
<th>Other Courses referencing this course</th>
<th>In The Catalog Description: MECH ENG 5606 : Material Processing By High-Pressure Water Jet</th>
</tr>
</thead>
</table>

**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**

<table>
<thead>
<tr>
<th>LEC</th>
<th>LAB</th>
<th>IND</th>
<th>RSD</th>
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<tbody>
<tr>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
</tbody>
</table>

**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**
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

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):
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
New Course Proposal

Date Submitted: 01/22/18 2:55 pm
Viewing: MS&E 5060: Chemistry of Construction Materials
File: 4513
Last edit: 01/23/18 2:43 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 Senior Undergraduate.
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 2016 enrollment (6001)- 13

Co-Listed Courses:

Course Reviewer 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".

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

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
# Course Change Request

## New Course Proposal

**Date Submitted:** 01/22/18 2:59 pm  
**Viewing:** [**MS&E 6060**: Advanced Chemistry of Construction Materials](https://nextcatalog.mst.edu/courseleaf/courseleaf.cgi?page=/courseadmin/4514/index.html)

<table>
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<th>Requested Effective Change Date</th>
<th>Fall 2018</th>
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<tbody>
<tr>
<td><strong>Department</strong></td>
<td>Materials Science &amp; Engineering</td>
</tr>
<tr>
<td><strong>Discipline</strong></td>
<td>Materials Science &amp; Eng (MS&amp;E)</td>
</tr>
<tr>
<td><strong>Course Number</strong></td>
<td>6060</td>
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<tr>
<td><strong>Title</strong></td>
<td>Advanced Chemistry of Construction Materials</td>
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<tr>
<td><strong>Abbreviated Course Title</strong></td>
<td>Adv Chem Const Mat</td>
</tr>
<tr>
<td><strong>Catalog Description</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Prerequisites</strong></td>
<td>Graduate standing.</td>
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<tr>
<td><strong>Credit Hours</strong></td>
<td>LEC: 3</td>
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<tr>
<td><strong>Required for Majors</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Elective for Majors</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Justification for new course:</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Semesters previously offered as an experimental course</strong></td>
<td>Spring 2016</td>
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<tr>
<td><strong>Spring 2016 enrollment (5001) - 5</strong></td>
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<tr>
<td><strong>Fall 2017 enrollment(6001) - 13</strong></td>
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<tr>
<td><strong>Co-Listed Courses:</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>

## 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. **Pending CCC Agenda post**
# New Course Proposal

**Date Submitted:** 01/10/18 4:23 pm  
**Viewing:** PSYCH 3501 : Drugs and Behavior

<table>
<thead>
<tr>
<th>Requested Effective Change Date</th>
<th>Fall 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>Psychological Science</td>
</tr>
<tr>
<td>Discipline</td>
<td>Psychology (PSYCH)</td>
</tr>
<tr>
<td>Course Number</td>
<td>3501</td>
</tr>
<tr>
<td>Title</td>
<td>Drugs and Behavior</td>
</tr>
<tr>
<td>Abbreviated Course Title</td>
<td>Drugs and Behavior</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Prerequisites</th>
<th>Psych 1001</th>
</tr>
</thead>
</table>

**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
- Fall 2017

**Fall 2016 enrollment:** 16  
**Fall 2017 enrollment:** 23

**Co-Listed Courses:**

**Course Reviewer Comments**

---

## 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

---

https://nextcatalog.mst.edu/courseleaf/courseleaf.cgi?page=/courseadmin/4510/index.html...  2/21/2018
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

Requested Effective Change Date

Department Psychological Science
Discipline Psychology (PSYCH)
Course Number 6602
Title Employee Affect and Behavior Job Attitudes, Emotions, and Discretionary Behaviors
Abbreviated Course Title Affect Emotions and Behavior

Catalog Description
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.

Prerequisites Psych 5010.
Field Trip Statement

Credit Hours

<table>
<thead>
<tr>
<th></th>
<th>LEC: 3</th>
<th>LAB: 0</th>
<th>IND: 0</th>
<th>RSD: 0</th>
<th>Total: 3</th>
</tr>
</thead>
</table>

Required for Majors Yes

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

Programs referencing this course
INORGPS-MS: Industrial Organizational Psychology MS

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

https://nextcatalog.mst.edu/courseleaf/courseleaf.cgi?page=/courseadmin/4359/index.html... 2/21/2018
<table>
<thead>
<tr>
<th>Elective for Majors</th>
<th>No</th>
</tr>
</thead>
<tbody>
<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 its objectives. The short title has been changed as well.</td>
</tr>
<tr>
<td>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>
<td></td>
</tr>
<tr>
<td>Semesters previously offered as an experimental course</td>
<td></td>
</tr>
<tr>
<td>Co-Listed Courses:</td>
<td></td>
</tr>
<tr>
<td>Course Reviewer</td>
<td>murray (02/10/18 7:08 pm): Rollback: the short title still has emotion. You sure about that? thanks</td>
</tr>
</tbody>
</table>

History
1. Jan 26, 2017 by Nathan Weidner (weidnern)
# 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:** 02/01/18 8:39 am  
**Changes proposed by:** kswenson

<table>
<thead>
<tr>
<th>Requested Effective Change Date</th>
<th>Fall 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>English and Technical Communication</td>
</tr>
<tr>
<td>Discipline</td>
<td>Technical Communication (TCH COM)</td>
</tr>
<tr>
<td>Course Number</td>
<td>3550</td>
</tr>
<tr>
<td>Title</td>
<td>Writing for Social Media</td>
</tr>
<tr>
<td>Abbreviated Course Title</td>
<td>Writing for Social Media</td>
</tr>
<tr>
<td>Catalog Description</td>
<td>The theory and practice of writing for social media. Emphasis on the role of social media in industry. Co-listed as ENGL 3550 Writing for Social Media.</td>
</tr>
<tr>
<td>Prerequisites</td>
<td>One semester of college composition or technical writing.</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>No</td>
</tr>
<tr>
<td>Elective for Majors</td>
<td>Yes</td>
</tr>
<tr>
<td>Justification for new course:</td>
<td>Required for new minor, Social Media in Industry. See separate proposal with syllabus.</td>
</tr>
<tr>
<td>Semesters previously offered as an experimental course</td>
<td>N/A</td>
</tr>
<tr>
<td>Co-Listed Courses:</td>
<td>ENGL 3550 - Course Not Found</td>
</tr>
</tbody>
</table>

## 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 (ershenb): Approved for Pending CCC Agenda post  
5. 02/02/18 11:45 am Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair  
6. 01/31/18 8:52 pm Kristine Swenson (kswenson): Approved for RENGLISH Chair  
7. 02/01/18 3:43 pm Brittany Parnell (ershenb): Approved for CCC Secretary  
8. 02/20/18 11:48 am Brittany Parnell (ershenb): Approved for Pending CCC Agenda post  
9. 02/02/18 11:45 am Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair  
10. Peoplesoft

**Course Reviewer Comments**
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

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 CAT entry
10. Peoplesoft

Approval Path

1. 01/31/18 5:19 pm
Krystine Swenson (kswenson):
Approved for RENGLISH Chair

2. 02/02/18 11:34 am
Brittany Parnell (ershenb):
Approved for CCC Secretary

3. 02/20/18 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:

<table>
<thead>
<tr>
<th>Course Reviewer</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>dewittp (02/02/18 11:48 am)</td>
<td>Marked elective for majors.</td>
</tr>
</tbody>
</table>

Brittany Parnell (ershenb):
Approved for Pending CCC Agenda post
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 in science and mathematics, three hours of which must be at the 6000-level. A student may substitute up to six credit hours of coursework at the 3000 level in place of six hours of 4000 level courses; any such courses must be from departments other than mathematics and statistics and are subject to the approval 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
**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**

**Overall Goals and Objectives:**

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

**Requirements:**

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 offer 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.

https://nextcatalog.mst.edu/courseleaf/courseleaf.cgi?page=/programadmin/259/index.html... 2/21/2018
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
# NEW MINOR PROPOSAL

(No more than 4 pages + attachments)

<table>
<thead>
<tr>
<th>CAMPUS</th>
<th>Missouri University of Science and Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPOSED MINOR</td>
<td>Game Studies</td>
</tr>
</tbody>
</table>

## PURPOSE [overall goals and objectives]

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

## CURRICULUM [Any new courses? | Any new faculty?]

1. **Game Studies** (new course—crosslisted as ENGL and TCH COM)
   
   TCH COM/ENGL 3590 Game Studies
   
   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. Prerequisite: one semester of literature or composition. Crosslisted as ENGL/TCH COM Game Studies.

2. Technical Communication 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

## NEED [Please provide a brief bulleted summary]

1. Student Demand
2. National, state or local market demand

According to research by the Entertainment Software Association (ESA, 2017) and a 2016 Pew Study, nearly all young people 12 years and older play games, from Candy Crush and Angry Birds on their phones to highly sophisticated digital role-playing games or action-adventures. Digital games are the second-highest grossing entertainment worldwide, after films. In 2018, digital game sales are expected to pass one billion dollars for the third consecutive year. 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 offer 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.


---

Please complete the information requested and submit to the Office of the Vice Provost for Academic Affairs.
IMPACT
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.

ALIGNMENT WITH CAMPUS AND DEPARTMENT PRIORITIES AND GOALS

A Game Studies minor will strengthen the new Strategic Plan Compacts for Excellence in the following ways:
1. Enhancing learning experiences through the study of the enormous and impactful medium of games
2. Improve career outcomes by addressing the growing field of digital games development, gamification in business and industry, and games as learning tools in education
3. Game Studies is an inherently multi-disciplinary field that will encourage research collaboration across disciplines, particularly through S&T’s new Center for Science, Technology, and Society.
4. There is great potential for partnerships and research funding through Game Studies in theory and practice for marketing, education, fiction, cinema, psychology, computer science, and the arts

POTENTIAL DUPLICATION
[Does this minor, or one similar, exist on the campus? If so, what is the rationale for this minor?]

No current duplication at Missouri S&T

COSTS
[Indicate revenue stream and how it will be paid]

No current cost.

MARKETING STRATEGIES/APPROACHES
[Please provide brief bulleted summary]
The minor could be marketed to Computer Science, Computer Engineering, Psychology, Business and IST, and English & Technical Communication.

<table>
<thead>
<tr>
<th>SUPPORT BY ACADEMIC UNIT(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>English and Technical Communication will be the primary support unit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ATTACHMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insert attachments</td>
</tr>
</tbody>
</table>
ENGLISH/TECH COM 3590: GAME STUDIES
Instructor: Dr. Daniel Reardon
Office: 207 HSS
Phone: 341-6160
Office Hours: MWF 10-10:50 and by appointment
Email: reardond@mst.edu

COURSE 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. Prerequisite: one semester of literature or composition. Crosslisted as ENGL and TECH COM 3590: Game Studies.

In this course, we will study the history, theory, development, and marketing of digital games. We will begin with analysis of the idea of “play” using literary critical theory, cinema studies, and psychological science. We will then concentrate on three aspects of digital games:

- The ludic—or structural elements—of games, particularly with regard to Ian Bogost’s theory of rhetorical procedure
- The narratological—or storytelling—elements of games, using literary theory (particularly poststructuralism)
- Technical content and communicative reciprocity of games, using technical communication theory for our analysis

Finally, we will discuss the tensions which emerge in digital games when ludic, narrative, and marketing forces in games appear at odds with one another. Special emphasis in the course on digital games with narratives as the dominant ludic feature.

COURSE TEXTS

COURSE GAMES
- The Last of Us [Playstation 4 game].

COURSE GOALS
- Understand basic structural elements of digital games
- Distinguish between digital game narratives: linear, branching, and emergent
- Evaluate marketing strategies used by digital game companies, especially social media

**COURSE LEARNING OBJECTIVES**
- Classify digital games using ludic theory
- Analyze structural elements of digital games using rhetorical procedure theory
- Assess game narratives using game narrative theory
- Distinguish games’ technical content from game narratives
- Evaluate success or failure of digital game marketing strategies using technical communication theory

**COURSE ASSESSMENTS**
1. *Faithful, regular attendance.* Please be here for every class meeting.
2. *Quizzes.* Used to assess comprehension, retention, and synthesis of course readings
3. *Course Projects.* Used to assess mastery of digital game theory.
4. *Short Analysis Essays.* Used to assess retention of gameplay and narratives.

**EMAIL AND CANVAS**
You must have an active Missouri S&T email account. Please check it and the ENGL/TECH COM 3550 Canvas site at least once a day.

**PRIVACY AND COPYRIGHT**
Please do not share any of the following items with people outside of this class: class discussions (oral or written); emails received from other members of the course, including the teacher; assignment instructions; and the course syllabus. Material in this course is either copyrighted by the student or by the teacher and is intended for use by enrolled students in this course. This policy is intended to encourage the free exchange of idea in the course and protect the rights of the students and the teacher to explore ideas, play devil's advocate, hone their own and one another's argumentative and analytical skills, and even make mistakes in the safety of a "classroom" environment. All of these things are essential to effective teaching and successful learning.

**MINIMUM TECHNICAL SKILLS**
To succeed in this course, you must be proficient in using email; a computer with speakers, a microphone, and a webcam; a scanner; a browser such as Firefox or Chrome; Google Search; Canvas; and Adobe Connect. If you do not have these particular "literacies" you should contact me during the first week of the semester for advice and further instructions. You should also have some experience with one of the following: Facebook, Twitter, or YouTube.

**PLAGIARISM**
The academic community demands academic honesty which requires that words and ideas that students present as their own truly represent their own work. Plagiarism is the careless or deliberate use of the work or the ideas of another or the representation of another’s work, words, ideas, or data as your own without permission or appropriate acknowledgment. If you need any
help with avoiding plagiarism, please come see me in my office or email me.

The honest use of material requires that writers:

1. Use quotation marks around (or indent) words of another writer and cite the source of those words.
2. Cite the source of paraphrased material, even when the paraphrase differs substantially from the original.
3. Attribute to their sources the ideas of other writers.

If a paper is plagiarized in whole or in part, the penalty will be severe: the student(s) involved will receive a zero for the plagiarized assignment.

If you cheat or plagiarize on an assignment (i.e., an exercise or a quiz), you will receive a zero on the assignment, and I will notify either the Vice Provost of Undergraduate Studies or the Vice Provost of Graduate Studies about the incident. You are required to read Rules 200.010.B and 200.020 in the University of Missouri’s Collected Rules and Regulations at


**WRITING CENTER**

The Writing Center is a friendly place to bring your essays, reports, résumés, or term papers for a critique. No appointment is necessary, and tutors are prepared to help both undergraduate and graduate students in all the disciplines. Some of the issues covered in the lab include organization, sentence clarity, development, grammar and usage. A visit to the Writing Center will give you the opportunity to receive feedback on any writing assignment for any course. The Writing Center offers one-on-one tutoring to help you improve your writing:

- No appointment is necessary; use the Writing Center services at your convenience.
- Windows, MS Word and laser printers are available for your use.
- There is no charge for using the lab.
- The tutors do not write, edit, or proofread papers.

You can also meet with a writing tutor live online to discuss an assignment or submit an assignment to a tutor who will then send your assignment back to you with revision suggestions.

**DOCUMENTED DISABILITY**

If you have a documented disability, please give me the appropriate documentation from Disability Support Services at the beginning of the semester and meet with me to discuss necessary accommodations. Accommodations cannot be made retroactively. For more information, contact Disability Support Services in 203 Norwood Hall, 573-341-6655, [http://dss.mst.edu/](http://dss.mst.edu/). Disability Support Services will work with other campus departments to make alternative materials (e.g., alternatives to audio and video) available to students with disabilities.
TITLE IX STATEMENT
The following statement was sent to me by Rachel Morris in the Office of the Vice Provost of Undergraduate Studies: "Missouri University of Science and Technology is committed to the safety and well-being of all members of its community. US Federal Law Title IX states that no member of the university community shall, on the basis of sex, be excluded from participation in, or be denied benefits of, or be subjected to discrimination under any education program or activity. Furthermore, in accordance with Title IX guidelines from the US Office of Civil Rights, Missouri S&T requires that all faculty and staff members report, to the Missouri S&T Title IX Coordinator, any notice of sexual harassment, abuse, and/or violence (including personal relational abuse, relational/domestic violence, and stalking) disclosed through communication including but not limited to direct conversation, email, social media, classroom papers and homework exercises. Missouri S&T’s Title IX Coordinator is interim chief diversity officer Neil Outar. Contact him (naoutar@mst.edu; (573) 341-6038; Temporary Facility A-1200 N. Pine Street) to report Title IX violations. To learn more about Title IX resources and reporting options (confidential and non-confidential) available to Missouri S&T students, staff, and faculty, please visit http://titleix.mst.edu."
New Program Proposal

PROPOSED: Minor in Social Media in Industry

File: 258

Changes proposed by: kswenson
Start Term
Fall 2018

Program Requirements and Description

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, 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):
NEW MINOR PROPOSAL
(No more than 4 pages + attachments)

| CAMPUS | Missouri University of Science and Technology |
| PROPOSED MINOR | Social Media in Industry |

### PURPOSE

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").

### CURRICULUM

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>ENGL/TCH COM 3550 Writing for Social Media (new course)</td>
</tr>
<tr>
<td>2.</td>
<td>TCH COM 3580 Business Communication (new course)</td>
</tr>
<tr>
<td>3.</td>
<td>ENGL/TCH COM 2560 Technical Marketing Communication</td>
</tr>
<tr>
<td>4.</td>
<td>One of the Following: TCH COM 5560 Web-Based Communication, TCH COM 4520 Help Authoring, TCH COM 3440 Theory of Visual Technical Communication</td>
</tr>
</tbody>
</table>

No new faculty will be required for this minor.

### NEED

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Student Demand</td>
</tr>
<tr>
<td>2.</td>
<td>National, state or local market demand</td>
</tr>
</tbody>
</table>

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.

### IMPACT

This minor should attract new students to technical communication courses and will offer a new skill set to all students. Because social media skills are in great demand, these new skills will offer students a method enhancing their employability after graduation. The focus of this minor will be on the use of social media in industry, as a tool and resource for technical communicators under all of their varied job titles, including user experience designer, content developer, content strategist, information architect, usability analyst, and quality assurance specialist. The employee in charge of S&T social media presence, Lindsey Dundstedter, is a graduate of S&T's technical
**ALIGNMENT WITH CAMPUS AND DEPARTMENT PRIORITIES AND GOALS**

This minor will meet a departmental goal to increase enrollment and to offer students the latest technological skills. On a campus level, this minor meets criteria set forth by the following levers from the strategic plan:
1.2, 1.5, 2.2, 2.5, 2.7, 3.6, 3.7, 4.3

**POTENTIAL DUPLICATION**

[Does this minor, or one similar, exist on the campus? If so, what is the rationale for this minor?]

No similar minor currently exists.

**COSTS**

[Indicate revenue stream and how it will be paid]

No additional costs will be created.

**MARKETING STRATEGIES/APPROACHES**

[Please provide brief bulleted summary]

Social media skills can be marketed to both technical communication majors and to other majors in programs such as business, engineering management, and information technology.
A student will be able to pursue this minor in a traditional classroom format or entirely online.

**SUPPORT BY ACADEMIC UNIT(S)**

English and Technical Communication will be the primary academic support unit.
Please complete the information requested and submit to the Office of the Vice Provost for Academic Affairs.
Course Description:
This course is a study of the principles and practice of business communication. In this course you will explore many different types of business and professional writing, with an emphasis on the business uses of social media. At the same time, you will explore your own attitudes toward writing in general and writing within your future profession in particular. You will learn how to communicate effectively by knowing your audience and your subject and by expressing yourself with clarity and distinction. You will learn to assess your own writing and that of your colleagues.

Required Texts:
Alred’s *The Business Writer’s Handbook*, 11/e (Bedford/St. Martin’s)
Bryant’s *Essays on Writing* (Pearson)
Williams’ *Style: Lessons in Clarity and Grace*, 12/e

Recommended Texts:
A good dictionary

Prerequisites: Freshman Composition (you must have passed with a “C” or better).

Course Objectives:
1) To learn how and to practice assessing your own writing as well as your colleagues' writing.
2) To be able to work constructively on creative professional projects with various groups of people and to function both as a leader and a follower.
3) To explore your thoughts on writing, both in general and in your chosen profession.
4) To understand and be able to practice the basic principles of standard business communication, including various formats for different settings and audiences.
5) To understand the purpose of and to create persuasive documents written for a professional audience.
6) To create a job search package that will attract the attention of future internship supervisors and employers.
7) To construct diplomatic and graceful or stylish memoranda, reports, and social media posts in a manner that reflects attention to detail, adherences to facts, and commitment to a sense of personal expression.
8) To be able to shift between block and modified block versions or memos, and to understand the distinction between internal and external formats.
9) To create attractive and accurate graphics and know how to present them, online and in front of an audience, and to use PowerPoint technology effectively.
COURSE REQUIREMENTS
There are five major writing assignments in this class, along with the weekly discussion questions:

Assignment #1  The Writing Profile/Self Assessment (parts 1 and 3) and Email in the Workplace (part 2)  10%
Assignment #2  Social Media Project Involving Facebook, Twitter, and YouTube  20%
Assignment #3  Complaint Letter  20%
Assignment #4  Proposal (with annotated bibliography/PPT)  20%
Assignment #5  The Job Search Project  20%
Discussion questions  10%

There will be smaller assignments required within each unit. I will assess you based on your writing and on your growth as a practicing communicator. It’s not just about hitting a mark; it’s about paying attention to how you get there and improving that process so that you can do it again when you don’t have someone like me hovering over you. Each assignment has a participation component (peer reviews, etc.). I will provide guidelines for all major assignments, including for interim steps.

In this class, we will simulate a typical professional environment. In this environment, my job is to help you become a better communicator—better than you are now (whatever your skill level is) so that you can embrace work challenges that require good writing skills. You should be more competitive, after all, once you graduate, than you are now. Your job is to let go of your preconceived notions of writing in general, your skills as a writer, and how much you will be writing in the future. In order for it to work, however, you MUST do the following:

READ AND LISTEN
REFLECT
RESPOND
WRITE
REVISE (and revise and revise)

While I will help you understand the importance of these steps and how to practice them, I do expect you to be willing, engaged participants. This simply will not work otherwise.

MY COMMITMENT
I commit to provide you with honest and supportive feedback. I will use whatever method will get the best result in that moment for the student and the assignment. Sometimes it may be a question for you to ponder. Sometimes I will help your colleagues provide useful feedback. I will provide all of this feedback and support thoughtfully, with the course goal in mind.

PARTICIPATION
This course requires active involvement on the Canvas site several times per week. Do not go longer than 2 days without accessing the Canvas site. In addition to turning in all major assignments on time, you are expected to participate in discussion boards, make regular posts to a blog and class wiki, and engage in online group work. If you do not participate in these activities, you will not do well in this class. As an old professor of mine used to say, if you get behind, we will leave you there.

DRAFTS
Each major assignment requires several drafts. If you do not post drafts on scheduled due dates for drafts, then you may not receive full credit for your final assignment. If it's a chronic problem, I may not accept the final assignment at all, resulting in a zero. Look at it this way. In the professional world, any major document you write will be reviewed by many people, including your boss. This process of writing collaboratively is not optional in the business world, or in this one.
EMAIL AND CANVAS
You must have an active Missouri S&T email account. Please check it and the ENGL/TCH COM 3550 Canvas site at least once a day.

PRIVACY AND COPYRIGHT
Please do not share any of the following items with people outside of this class: class discussions (oral or written); emails received from other members of the course, including the teacher; assignment instructions; and the course syllabus. Material in this course is either copyrighted by the student or by the teacher and is intended for use by enrolled students in this course. This policy is intended to encourage the free exchange of ideas in the course and protect the rights of the students and the teacher to explore ideas, play devil's advocate, hone their own and one another's argumentative and analytical skills, and even make mistakes in the safety of a "classroom" environment. All of these things are essential to effective teaching and successful learning.

MINIMUM TECHNICAL SKILLS
To succeed in this course, you must be proficient in using email; a computer with speakers, a microphone, and a webcam; a scanner; a browser such as Firefox or Chrome; Google Search; Canvas; and Adobe Connect. If you do not have these particular "literacies" you should contact me during the first week of the semester for advice and further instructions. You should also have some experience with one of the following: Facebook, Twitter, or YouTube.

PLAGIARISM
The academic community demands academic honesty which requires that words and ideas that students present as their own truly represent their own work. Plagiarism is the careless or deliberate use of the work or the ideas of another or the representation of another’s work, words, ideas, or data as your own without permission or appropriate acknowledgment. If you need any help with avoiding plagiarism, please come see me in my office or email me.

The honest use of material requires that writers:

1. use quotation marks around (or indent) words of another writer and cite the source of those words.
2. cite the source of paraphrased material, even when the paraphrase differs substantially from the original.
3. attribute to their sources the ideas of other writers.

If a paper is plagiarized in whole or in part, the penalty will be severe: the student(s) involved will receive a zero for the plagiarized assignment.

If you cheat or plagiarize on an assignment (i.e., an exercise or a quiz), you will receive a zero on the assignment, and I will notify either the Vice Provost of Undergraduate Studies or the Vice Provost of Graduate Studies about the incident. You are required to read Rules 200.010.B and 200.020 in the University of Missouri's Collected Rules and Regulations at


WRITING CENTER
The Writing Center is a friendly place to bring your essays, reports, résumés, or term papers for a critique. No appointment is necessary, and tutors are prepared to help both undergraduate and graduate students in all the disciplines. Some of the issues covered in the lab include organization, sentence clarity, development, grammar and usage. A visit to the Writing Center will give you the opportunity to receive feedback on any writing assignment for any course. The Writing Center offers one-on-one tutoring to help you improve your writing:
No appointment is necessary; use the Writing Center services at your convenience.

Windows, MS Word and laser printers are available for your use.

There is no charge for using the lab.

The tutors do not write, edit, or proofread papers.

You can also meet with a writing tutor live online to discuss an assignment or submit an assignment to a tutor who will then send your assignment back to you with revision suggestions.

**DOCUMENTED DISABILITY**
If you have a documented disability, please give me the appropriate documentation from Disability Support Services at the beginning of the semester and meet with me to discuss necessary accommodations. Accommodations cannot be made retroactively. For more information, contact Disability Support Services in 203 Norwood Hall, 573-341-6655, [http://dss.mst.edu/](http://dss.mst.edu/). Disability Support Services will work with other campus departments to make alternative materials (e.g., alternatives to audio and video) available to students with disabilities.

**TITLE IX STATEMENT**
The following statement was sent to me by Rachel Morris in the Office of the Vice Provost of Undergraduate Studies: "Missouri University of Science and Technology is committed to the safety and well-being of all members of its community. US Federal Law Title IX states that no member of the university community shall, on the basis of sex, be excluded from participation in, or be denied benefits of, or be subjected to discrimination under any education program or activity. Furthermore, in accordance with Title IX guidelines from the US Office of Civil Rights, Missouri S&T requires that all faculty and staff members report, to the Missouri S&T Title IX Coordinator, any notice of sexual harassment, abuse, and/or violence (including personal relational abuse, relational/domestic violence, and stalking) disclosed through communication including but not limited to direct conversation, email, social media, classroom papers and homework exercises. Missouri S&T’s Title IX Coordinator is interim chief diversity officer Neil Outar. Contact him ([naoutar@mst.edu](mailto:naoutar@mst.edu); (573) 341-6038; Temporary Facility A-1200 N. Pine Street) to report Title IX violations. To learn more about Title IX resources and reporting options (confidential and non-confidential) available to Missouri S&T students, staff, and faculty, please visit [http://titleix.mst.edu](http://titleix.mst.edu)."
ENGL/TCH COM 3550 Writing for Social Media is an introduction to the theory and practice of writing for social media, with an emphasis on the use of social media in industry. The goal of the course is to provide you with the knowledge and skills to devise and implement social media strategies for companies and organizations. You will learn how to analyze social media platforms and tools and the situations in which they are used. In the course, students will use several communication tools, such as Facebook, LinkedIn, Twitter, Instagram, and YouTube. There will be group work and collaborative learning exercises.

**Required Texts**

- Guy Kawasaki and Peg Fitzpatrick’s *The Art of Social Media*
- Liza Potts’ *Social Media in Disaster Response: How Experience Architects Can Build for Participation*
- Mark W. Schaefer’s *Social Media Explained*

**How to Succeed in This Course**

This course is not an “information-download course” in which students are expected to collect information to spit out on tests. This is a “discovery course” in which students use the data they gather to engage in critical thinking and solve problems. Doing that will depend on *everyone* working collaboratively and creatively.

**Grading and Assignments**

Assignments are due at the ends of the weeks, on Sundays at 11:59 pm. I try to grade those assignments on Mondays and Tuesdays. If you have questions about grades, or want further feedback, please contact me and we can arrange a time to talk.

Grades will be based on your performance on the following assignments:
<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1 Introduction to Class</td>
<td>5</td>
</tr>
<tr>
<td>M2 Wiki Contributions</td>
<td>10</td>
</tr>
<tr>
<td>M3 Facebook Assignment</td>
<td>10</td>
</tr>
<tr>
<td>M4 Twitter Assignment</td>
<td>10</td>
</tr>
<tr>
<td>M4 Facebook Assignment</td>
<td>10</td>
</tr>
<tr>
<td>M5 LinkedIn Assignment</td>
<td>10</td>
</tr>
<tr>
<td>M6 Case Study (Group Assignment)</td>
<td>10</td>
</tr>
<tr>
<td>M6 YouTube Assignment</td>
<td>10</td>
</tr>
<tr>
<td>M7 Case Study (Individual Assignment)</td>
<td>10</td>
</tr>
<tr>
<td>M7 Video Blog</td>
<td>10</td>
</tr>
<tr>
<td>M8 Self Assessment</td>
<td>5</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100</td>
</tr>
</tbody>
</table>

**Grading Scale**

A = 90-100 points  
B = 80-89 points  
C = 70-79 points  
D = 60-69 points  
F = 59 or fewer points

**Course Policies**

 Attendance  
There will be an online synchronous meeting each week on Tuesday from 6:00 to 8:30 p.m. Enter the Adobe Connect classroom on time and stay there for the entire meeting. The success of the course will depend partly on your active participation in the discussions and other activities that may take place during these meetings. To be counted present, you must have a working microphone and webcam and be using it when I call roll; if I call your name, you must answer
vocally. If you do not have working equipment and/or do not talk, I will count you absent. I will send you and your advisor a warning by email before dropping you from this course for excessive absences (= more than 3 absences).

**Late Assignments**
Assignments that are turned in late will receive a lower grade than they would have received if they had been turned in on time. I reserve the right not to accept an assignment that is more than one week late.

**Retention of Work**
Keep copies of all assignments that you turn in for grades. If I lose one of your assignments, I will have to ask you for another copy. Students pursuing the B.S., M.S., or graduate certificate in Technical Communication should keep all of their graded work, all assignment descriptions, and the course syllabus, at least until they graduate.

**Email and Canvas**
You must have an active Missouri S&T email account. Please check it and the ENGL/TCH COM 3550 Canvas site at least once a day.

**Privacy and Copyright**
Please do not share any of the following items with people outside of this class: class discussions (oral or written); emails received from other members of the course, including the teacher; assignment instructions; and the course syllabus. Material in this course is either copyrighted by the student or by the teacher and is intended for use by enrolled students in this course. This policy is intended to encourage the free exchange of ideas in the course and protect the rights of the students and the teacher to explore ideas, play devil's advocate, hone their own and one another's argumentative and analytical skills, and even make mistakes in the safety of a "classroom" environment. All of these things are essential to effective teaching and successful learning.

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**Note:** Your continuation in this course after the first day of the semester indicates that you agree to the above-stated course policies and the terms of this syllabus in general.

**Schedule of Readings**

Note: This schedule is subject to change. If I make a change, I will notify you by email.

**January**

18 – Introduction to Course
25 – Schaefer, *Social Media Explained*, Section 1

**February**

1 – Schaefer, *Social Media Explained*, Section 2
8 – Schaefer, *Social Media Explained*, Section 2 (cont.)
22 – Kawasaki and Fitzpatrick, *The Art of Social Media*, Chapters 3-4

**March**

1 – Kawasaki and Fitzpatrick, *The Art of Social Media*, Chapters 5-6
8 – Kawasaki and Fitzpatrick, *The Art of Social Media*, Chapters 7-8
15 – No Class (Spring Recess)
29 – No Class (Spring Break)

April
5 – Kawasaki and Fitzpatrick, *The Art of Social Media*, Chapters 11-12
12 – Potts, *Social Media in Disaster Response*, Chapters 1 & 2
19 – Potts, *Social Media in Disaster Response*, Chapters 4 & 5
26 – Potts, *Social Media in Disaster Response*, Chapters 6

May
3 – To Be Announced
New Courses

TCH COM 3580 Business Communication
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. Prerequisite: one semester of college composition or technical writing.

TCH COM 3550 Writing for Social Media
The theory and practice of writing for social media. Emphasis on the role of social media in industry. Prerequisite: one semester of college composition or technical writing. Crosslisted as ENGL 3550 Writing for Social Media.

ENGL 3550 Writing for Social Media
The theory and practice of writing for social media. Emphasis on the role of social media in industry. Prerequisite: one semester of college composition or technical writing. Crosslisted as TCH COM 3550 Writing for Social Media.
## New Experimental Course Proposal

**Date Submitted:** 02/01/18 1:02 pm  
**Viewing:** HISTORY 2001.001: History of Mexico  
**File:** 4522  
**Last edit:** 02/01/18 2:09 pm  
**Changes proposed by:** sfogg

### Requested Changes
- **Effective Change Date:** Fall 2018
- **Department:** History and Political Science
- **Course Number:** 2001
- **Discipline:** History (HISTORY)
- **Topic ID:** 001
- **Experimental Title:** History of Mexico
- **Experimental Abbreviated Title:** History of Mexico
- **Instructors:** Rebecca Crosthwait

### 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
Either History 1100, History 1200, History 1300 or History 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

---

### 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
**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

**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**: Programming skills and consent of instructor.

**Field Trip Statement**

**Credit Hours**

<table>
<thead>
<tr>
<th>Type</th>
<th>LEC</th>
<th>LAB</th>
<th>IND</th>
<th>RSD</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
</tbody>
</table>

**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**

---

In Workflow

1. RGOSENG 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 RGOSENG 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
# 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:** 02/02/18 12:03 pm  
**Changes proposed by:** bakerden

<table>
<thead>
<tr>
<th>Requested Effective Change Date</th>
<th>Fall 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>Psychological Science</td>
</tr>
<tr>
<td>Discipline</td>
<td>Psychology (PSYCH)</td>
</tr>
<tr>
<td>Course Number</td>
<td>3001</td>
</tr>
<tr>
<td>Topic ID</td>
<td>003</td>
</tr>
<tr>
<td>Experimental Title</td>
<td>Psychology of Human Sexuality</td>
</tr>
<tr>
<td>Experimental Abbreviated Course Title</td>
<td>Psych of Human Sexuality</td>
</tr>
<tr>
<td>Instructors</td>
<td>Denise A Baker</td>
</tr>
<tr>
<td>Experimental Catalog Description</td>
<td>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.</td>
</tr>
<tr>
<td>Prerequisites</td>
<td>Psych 1101 or instructor permission.</td>
</tr>
<tr>
<td>Field Trip Statement</td>
<td></td>
</tr>
<tr>
<td>Credit Hours</td>
<td>LEC: 3</td>
</tr>
<tr>
<td></td>
<td>LAB: 0</td>
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<tr>
<td></td>
<td>IND: 0</td>
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<tr>
<td></td>
<td>RSD: 0</td>
</tr>
<tr>
<td></td>
<td>Total: 3</td>
</tr>
<tr>
<td>Justification for new course:</td>
<td>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.</td>
</tr>
<tr>
<td>Semester(s) previously taught</td>
<td>NA</td>
</tr>
<tr>
<td>Co-Listed Courses:</td>
<td></td>
</tr>
</tbody>
</table>

## 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
Course Change Request

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

Viewing: MIN ENG 5413: Material Processing by High Pressure Water Jet

File: 500.1
Last edit: 11/29/17 11:04 am
Changes proposed by: cifarellit

Requested: Fall 2018
Effective Change Date: 08/01/2014

Department: Mining & Nuclear Engineering
Discipline: Mining Engineering (MIN ENG)
Course Number: 5413
Title: Material Processing by High Pressure Water 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:
Co-listed with Mech Eng 5606. 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

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"

Approval Path:
1. 11/27/17 7:15 pm Braden lusk (blusk): Approved for RMINNUCL Chair
2. 11/28/17 11:17 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 01/08/18 1:43 pm sraper: Approved for Engineering DSCC Chair
4. 01/23/18 4:01 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post

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
Course Change Request

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

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

File: 2019.1
Last edit: 11/29/17 11:14 am
Changes proposed by: cifarellit

Requested Effective Change Date

<table>
<thead>
<tr>
<th>Department</th>
<th>Mining &amp; Nuclear Engineering</th>
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<tbody>
<tr>
<td>Discipline</td>
<td>Mining Engineering (MIN ENG)</td>
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<tr>
<td>Course Number</td>
<td>5422</td>
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<tr>
<td>Title</td>
<td>Advanced Coal Preparation</td>
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<tr>
<td>Abbreviated Course Title</td>
<td>Advanced Coal Preparation</td>
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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 Mi. Eng 2412 4422 or consent of instructor. 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"