# MISSOURI S&T

## MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY

Formerly University of Missouri-Rolla

**Minutes of the Campus Curricula Committee Meeting**
**December 4, 2019**
**9:00am, Bertelsmeyer 110H**
**(For Faculty Senate Meeting of January 23, 2020)**

**Attendees:** Steve Raper, Petra Dewitt, Katie Shannon, Cecil Eng Huang Chua, Michael Davis, Kyle Perry, Kristy Giacomelli-Feys and Brittany Parnell

The following curriculum forms were discussed and approved:

**Course Change Forms:**

| | |
|---|---|
| File: 4616.6 | COMP SCI 1500: Computational Problem Solving |
| File: 4675 | HISTORY 2791: Historical Research Methods |
| File: 4272 | HISTORY 4551: Chicago: Architecture, Technology, Culture |
| File: 2368.1 | HISTORY 4790: Historiography |
| File: 1362.2 | TCH COM 5520: Help Authoring |
| File: 375.1 | TCH COM 6420: Project Management in Technical Communication |

**Degree Change Forms:**

| | |
|---|---|
| File: 147.14 | BIO SC-BS: Biological Sciences BS |
| File: 67.5 | GEOL-MI: Geology Minor |
| File: 157.19 | HIST-BA: History BA |

**Experimental Course Forms:**

| | |
|---|---|
| File: 4679 | BIO SCI 4001.005: Immunology |
| File: 4678 | BIO SCI 5001.006: Forest, Prairie and Wildlife Management and Conservation |
| File: 4671 | CHEM ENG 5001.010: Introduction to Lubrication and Tribology |
| File: 4677 | CIV ENG 5001.004: Bridge Engineering |
| File: 4670 | COMP ENG 5001.001: Introduction to Convex Optimization |
| File: 4680 | HISTORY 4001.004: Historical Representation in Video Games |
| File: 4674 | PHILOS 2001.004: Philosophy of the City |

Discussion from the Campus Curricula Committee to revise the Minor Creation Policy to reflect the updated curriculum approval process for graduate and undergraduate certificates.

The committee also reviewed and discussed minor viability in regards to student demand for proposed minors and their new course proposals submitted as a requirement for the minor(s).

The meeting adjourned at 9:45am.

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

# Course Change Request

Date Submitted: 10/28/19 3:38 pm

Viewing: **COMP SCI 1500 : Computational Problem Solving**

File: 4616.6

Last approved: 06/17/19 3:37 am

Last edit: 10/29/19 9:54 am

Changes proposed by: zhupe

| | |
|---|---|
| Programs referencing this course | PHYSIC-BS: Physics BS<br>CP ENG-BS: Computer Engineering BS |
| Other Courses referencing this course | In The Prerequisites:<br>COMP SCI 1200 : Discrete Mathematics for Computer Science<br>COMP SCI 1570 : Introduction To C++ Programming |

| | |
|---|---|
| Requested Effective Change Date | Fall **2020** ~~2019~~ |
| Department | Computer Science |
| Discipline | Computer Science (COMP SCI) |
| Course Number | 1500 |
| Title | Computational Problem Solving |
| Abbreviated Course Title | Computational Solving |

**Catalog Description**

This course provides a rigorous introduction to computational problem solving, thinking, and debugging, for those with little-to-no experience in computer science. Language-agnostic foundations focus on pseudo-code, flowcharts, and software-based code tracing, then build to programming in a high-level interpreted language, with a focus on data and modeling.

**Prerequisites**

**Field Trip Statement**

Credit Hours      LEC: **2** ~~3~~      LAB: **1** ~~0~~      IND: 0      RSD: 0      Total: 3

**In Workflow**

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

**Approval Path**

1. 11/13/19 2:49 pm Bruce McMillin (ff): Approved for RCOMPSCI Chair
2. 11/13/19 4:13 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 11/18/19 8:36 am Stephen Raper (sraper): Approved for Engineering DSCC Chair
4. 11/18/19 2:38 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post

| Required for Majors | Yes |
|---|---|
| Elective for Majors | No |

Justification for change:

This is a nominal, not actual change to the course, and does not impact total hours. The purpose of the lab is to make scheduling easier for what we are already doing: once a week, we give tests in CLCs on computers, rather than on paper, with two days a week of lecture.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

5. 12/04/19 11:58 am Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

6. 12/04/19 11:59 am Stephen Raper (sraper): Approved for Campus Curricula Committee Chair

History

1. Jun 17, 2019 by Daniel Tauritz (tauritzd)

Key: 4616

Preview Bridge

# Course Change Request

**New Course Proposal**

Date Submitted: 10/30/19 4:10 pm

Viewing: **HISTORY 2791 : Historical Research Methods**

File: 4675

Last edit: 12/04/19 12:01 pm

Changes proposed by: dewittp

| Programs referencing this course | HIST-BA: History BA<br>HISTORY-BS: Bachelor of Science in History |
|---|---|

| | |
|---|---|
| Requested Effective Change Date | Fall 2020 |
| Department | History and Political Science |
| Discipline | History (HISTORY) |
| Course Number | 2791 |
| Title | Historical Research Methods |
| Abbreviated Course Title | Hist Research Methods |

Catalog Description
  The course focuses on methodology and teaches the skills historians use through hands-on activities and assignments. Students learn to critically evaluate primary documents, conduct good historical research, write analytical essays, and correctly cite sources.

Prerequisites
  History 1100, History 1200, History 1300, or History 1310.

Field Trip Statement

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

## In Workflow

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

## Approval Path

1. 10/31/19 8:45 am Michael Bruening (bruening): Approved for RHISTORY Chair
2. 10/31/19 10:26 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 10/31/19 10:41 am Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 11/18/19 2:38 pm Brittany Parnell

Justification for
new course:
  The history department decided to change how it taught historiography because
  students need more training in writing and research methods to become true
  professionals. Instead of having one sophomore-level course that combined
  research methods with historiography (the history of history) and demanded an
  immense workload that few students could maintain, the department decided to
  divide the course into two distinct subjects. The first of these required courses is this
  research methods course with a number of hands-on exercises and a manageable
  work load. Once students understand the craft of the historian they will be able to
  take the other required 4000 level capstone course that teaches historiography and
  asks students to write a lengthy research paper.

Semesters
previously
offered as an
experimental
course
  Taught as History 2790 for over two decades.

Co-Listed
Courses:

(ershenb):
Approved for
Pending CCC
Agenda post
5. 12/04/19 12:01
   pm
   Brittany Parnell
   (ershenb):
   Approved for CCC
   Meeting Agenda
6. 12/04/19 12:09
   pm
   Stephen Raper
   (sraper):
   Approved for
   Campus Curricula
   Committee Chair

| Course Reviewer Comments | **ershenb (12/04/19 12:01 pm):** unchecked "yes" for "Elective for Majors" |

Key: 4675

# Course Change Request

## New Course Proposal

Date Submitted: 11/07/19 7:29 pm

Viewing: **HISTORY 4551 : Chicago: Architecture, Technology, Culture**

File: 4272

Last edit: 12/04/19 12:02 pm

Changes proposed by: schrammj

| | |
|---|---|
| Requested Effective Change Date | Summer 2020 |
| Department | History and Political Science |
| Discipline | History (HISTORY) |
| Course Number | 4551 |
| Title | Chicago: Architecture, Technology, Culture |
| Abbreviated Course Title | Chicago |

| | |
|---|---|
| Catalog Description | This course examines the history of modern architecture, including the technological, social, economic, political and cultural dialog by using the city of Chicago as a text. Students will live and have class in the city and tour multiple historic and architectural sites. This is an immersive urban architectural experience for students. |
| Prerequisites | History 1200, History 1300, History 1310. |
| Field Trip Statement | This course is to be held on site in Chicago, normally for 2 weeks after the spring semester, and requires additional travel and lodging costs to be determined each year it is offered. |
| Credit Hours | LEC: 3.0    LAB: 0    IND: 0    RSD: 0    Total: 3.0 |
| Required for Majors | No |
| Elective for Majors | Yes |

| | |
|---|---|
| Justification for new course: | Chicago is arguably the best city on earth to experience and learn about the architecture of the last 150 years. By living and learning downtown, students will be immersed in the historic and contemporary architecture of Chicago, as well as the culture of a large and vibrant city. Extensive tours and site visits are planned of historic and contemporary architectural and other sites. Collaborations with colleagues at Chicago area institutions such as IIT and Northwestern are being explored but are not yet finalized. |
| Semesters previously | Has been taught 2016 and 2018 |

### In Workflow

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

### Approval Path

1. 11/08/19 4:02 pm Michael Bruening (bruening): Approved for RHISTORY Chair
2. 11/11/19 9:05 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 11/11/19 9:14 am Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 11/18/19 2:38 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post

| | | |
|---|---|---|
| offered as an experimental course<br><br>Co-Listed Courses: | Summer 2016 enrollment: 8<br>Summer 2018 enrollment: 5 | 5. 12/04/19 12:02 pm<br>Brittany Parnell (ershenb):<br>Approved for CCC Meeting Agenda |
| Course Reviewer Comments | **ershenb (12/04/19 12:02 pm):** Removed "consent of instructor" and checked "yes" for "elective for majors." | 6. 12/04/19 12:09 pm<br>Stephen Raper (sraper):<br>Approved for Campus Curricula Committee Chair |

Key: 4272

Preview Bridge

# Course Change Request

Date Submitted: 10/30/19 4:13 pm

Viewing: **HISTORY 4790** ~~2790~~ **: Historiography**

File: 2368.1

Last edit: 10/31/19 8:46 am

Changes proposed by: dewittp

| Programs referencing this course | HIST-BA: History BA<br>HISTORY-BS: Bachelor of Science in History |
|---|---|

| Requested Effective Change Date | **Fall 2020** ~~08/14/2018~~ |
|---|---|
| Department | History and Political Science |
| Discipline | History (HISTORY) |
| Course Number | **4790** ~~2790~~ |
| Title | Historiography |
| Abbreviated Course Title | Historiography |

| Catalog Description | Historical interpretation from Herodotus to the present. Emphasis will be placed on reading the works of prominent historians in analyzing the major developments in historical writing. ~~Familiarization with historical source material will be another feature of this course.~~Serves as capstone course. |
|---|---|
| Prerequisites | **History 2791 and junior or senior standing.** ~~Sophomore standing.~~ |
| 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: | The history department decided to change how it taught historiography because students need more training in writing and research methods to become true professionals. Instead of having one sophomore-level course that combined research methods with historiography (the history of history) and demanded an immense workload that few students could maintain, the department decided to divide the course into two distinct subjects. The first of these required courses is a research methods course with a number of hands on exercises and a manageable work load. Once students understand the craft of the historian they will be able to |

## In Workflow

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

## Approval Path

1. 10/31/19 8:47 am Michael Bruening (bruening): Approved for RHISTORY Chair
2. 10/31/19 10:27 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 10/31/19 10:41 am Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 11/18/19 2:38 pm Brittany Parnell (ershenb): Approved for

take this required 4000 level capstone course that teaches historiography and asks students to write a lengthy research paper.

**Taught for over two decades as History 2790.**

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

Key: 2368

Pending CCC Agenda post

5. 12/04/19 12:03 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

6. 12/04/19 12:09 pm Stephen Raper (sraper): Approved for Campus Curricula Committee Chair

Preview Bridge

# Course Change Request

Date Submitted: 10/31/19 1:20 pm

Viewing: **TCH COM 5520** ~~4520~~ **: Help Authoring**

File: 1362.2

Last approved: 06/30/14 3:55 am

Last edit: 10/31/19 4:09 pm

Changes proposed by: kswenson

| Programs referencing this course | TCH COM-MS: Technical Communication MS |
|---|---|

| Requested Effective Change Date | **Fall 2020** ~~08/01/2014~~ |
|---|---|
| Department | English and Technical Communication |
| Discipline | Technical Communication (TCH COM) |
| Course Number | **5520** ~~4520~~ |
| Title | Help Authoring |
| Abbreviated Course Title | Help Authoring |

Catalog Description

Students will acquire the technological and rhetorical skills necessary for creating effective online help systems, including context-sensitive help for computer applications.

Prerequisites

One semester of college composition or technical writing, or graduate standing.

Field Trip Statement

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

## In Workflow

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

## Approval Path

1. 10/31/19 1:32 pm Kristine Swenson (kswenson): Approved for RENGLISH Chair
2. 10/31/19 4:10 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 11/01/19 8:22 am Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 11/18/19 2:38 pm Brittany Parnell (ershenb): Approved for

Justification for change:

This is being/has been taught as a graduate course and is part of the MS degree requirements. A 5000-level number is appropriate.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

Key: 1362

Pending CCC Agenda post

5. 12/04/19 12:03 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

6. 12/04/19 12:09 pm Stephen Raper (sraper): Approved for Campus Curricula Committee Chair

## History

1. Jun 30, 2014 by kswenson (1362.1)

Preview Bridge

# Course Change Request

Date Submitted: 10/31/19 1:22 pm

Viewing: **TCH COM 6420 : Project** ~~Information~~ **Management in Technical Communication**

File: 375.1

Last edit: 10/31/19 2:33 pm

Changes proposed by: kswenson

| Programs referencing this course | [TCH COM-MS: Technical Communication MS](#) |
|---|---|

| Requested Effective Change Date | **Fall 2020** ~~08/01/2014~~ |
|---|---|
| Department | English and Technical Communication |
| Discipline | Technical Communication (TCH COM) |
| Course Number | 6420 |
| Title | **Project** ~~Information~~ Management in Technical Communication |
| Abbreviated Course Title | **Project** ~~Information~~ Management |

| Catalog Description | Study of and practice in directing projects related to such areas as multimedia, web sites, strategic planning, newsletters. Includes writing planning documents, selecting team members, synchronizing assignments, testing prototypes, and issuing a final report. |
|---|---|
| Prerequisites | |
| Field Trip Statement | |
| Credit Hours | LEC: 3      LAB: 0      IND: 0      RSD: 0      Total: 3 |
| Required for Majors | No |
| Elective for Majors | No |

| Justification for change: | This course was inappropriately titled ("Information Management" means something specific and different from the approved content of this course). The new title better represents that content and will allow the course to be taught more regularly. |
|---|---|
| Semesters previously | |

## In Workflow

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

## Approval Path

1. 10/31/19 1:32 pm Kristine Swenson (kswenson): Approved for RENGLISH Chair
2. 10/31/19 2:34 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 10/31/19 2:55 pm Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 11/18/19 2:38 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post

offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

Key: 375

5. 12/04/19 12:03
   pm
   Brittany Parnell
   (ershenb):
   Approved for CCC
   Meeting Agenda

6. 12/04/19 12:09
   pm
   Stephen Raper
   (sraper):
   Approved for
   Campus Curricula
   Committee Chair

Preview Bridge

## Program Change Request

Date Submitted: 11/13/19 10:26 am

**Viewing: BIO SC-BS : Biological Sciences BS**

**File: 147.14**

**Last approved: 06/18/18 12:28 pm**

**Last edit: 11/13/19 1:10 pm**

Changes proposed by: shannonk

Catalog Pages Using this Program
[Biological Sciences](#)

Start Term
**Fall 2020** ~~08/13/2018~~
Program Code
BIO SC-BS
Department
Biological Sciences
Title
Biological Sciences BS

**Program Requirements and Description**

### In Workflow

1. **RBIOLSCI Chair**
2. **CCC Secretary**
3. **Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. **Campus Curricula Committee Chair**
7. **FS Meeting Agenda**
8. Faculty Senate Chair
9. Registrar
10. Kristy Giacomelli-Feys

### Approval Path

1. 11/13/19 12:10 pm David Duvernell (duvernelld): Approved for RBIOLSCI Chair
2. 11/13/19 1:10 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 11/19/19 12:22 pm Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 11/19/19 1:52 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 12/04/19 12:30 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 12/04/19 12:33 pm Stephen Raper (sraper): Approved for Campus Curricula Committee Chair

### History

1. Aug 1, 2014 by Katie Shannon (shannonk)
2. Feb 1, 2016 by Ilene Morgan (imorgan)
3. Jun 18, 2018 by Katie Shannon (shannonk)

**Bachelor of Science**
**Biological Sciences**
**Degree Requirements**

A minimum of **124** ~~130~~ credit hours is required for a Bachelor of Science degree in Biological Science.

A minimum grade of "C" is required for each Biological Science course used to fulfill the B.S. degree requirements.

These requirements for the B.S. degree are in addition to credit that is received for basic ROTC.

The Biological Science B.S. degree must include 49 semester hours of biological sciences course work, to include:

| | | |
|---|---|---|
| BIO SCI 1201 | Biological Sciences Freshman Seminar | 1 |
| BIO SCI 1113 | General Biology | 3 |
| or BIO SCI 1213 | Principles of Biology | |
| BIO SCI 1219 | General Biology Lab | 2 |
| BIO SCI 1223 | Biodiversity | 3 |
| BIO SCI 1229 | Biodiversity Lab | 1 |
| BIO SCI 2213 | Cell Biology | 3 |
| BIO SCI 2219 | Cell Biology Laboratory | 1 |
| BIO SCI 2223 | General Genetics | 3 |
| BIO SCI 2263 | Ecology | 3 |
| BIO SCI 3233 | Evolution | 3 |
| BIO SCI 4010 | Seminar | 1 |
| Advanced biological sciences or approved course work in other departments for a total of 49 credit hours of biology-related classes to include at least one laboratory course from the following: | | 25 |
| BIO SCI 3319 | Microbiology Lab | |
| or BIO SCI 3339 | Human Anatomy Physiology I Lab | |
| or BIO SCI 3349 | Human Anatomy and Physiology II Laboratory | |
| or BIO SCI 4329 | Molecular Genetics Laboratory | |
| 19 semester hours of chemistry to include general chemistry | | 19 |
| CHEM 1310<br>& CHEM 1319<br>& CHEM 1320<br>& CHEM 1100 | General Chemistry I<br>and General Chemistry Laboratory<br>and General Chemistry II<br>and Introduction To Laboratory Safety & Hazardous Materials | |
| CHEM 2210<br>& CHEM 2219<br>& CHEM 2220<br>& CHEM 2229 | Organic Chemistry I<br>and Organic Chemistry I Lab<br>and Organic Chemistry II<br>and Organic Chemistry II Lab | |
| 2 semesters of College (Engineering) Physics and labs | | 8 |
| PHYSICS 1145<br>& PHYSICS 1119 | College Physics I<br>and General Physics Laboratory | |
| or PHYSICS 1135 | Engineering Physics I | |
| PHYSICS 2145<br>& PHYSICS 2119 | College Physics II<br>and General Physics Laboratory | |
| or PHYSICS 2135 | Engineering Physics II | |
| Math and Statistics | | 8-9 |
| MATH 1208 | Calculus With Analytic Geometry I | |
| or MATH 1214 | Calculus For Engineers I | |
| or MATH 1212 | Business Calculus | |
| STAT 5425 | Course STAT 5425 Not Found | |
| 12 semester hours of humanities, excluding foreign language, and to include: | | 12 |
| ENGLISH 1120<br>& ENGLISH 1160 | Exposition And Argumentation<br>and Writing And Research (entering students will normally take ENGLISH 1120 either semester of the first year) | |
| 9 hours of social sciences, to include | | 9 |
| HISTORY 1200 | Modern Western Civilization (or equivalent) | |
| or HISTORY 1300 | American History To 1877 | |

| | | |
|---|---|---|
| or HISTORY 1310 | American History Since 1877 | |
| or POL SCI 1200 | American Government | |
| Total Credits | | 105-106 |

**Elective credits:** In consultation with his or her advisor, each student will elect sufficient additional courses to complete a minimum of **124** ~~130~~ credit hours.

Justification for request

We have compared our degree to other Biology BS degrees in the UM system, and 130 hours was higher than all other programs. We are changing the total hours to 124 hours, which will only decrease free elective requirements.

Supporting Documents

Course Reviewer Comments

**ershenb (11/13/19 1:10 pm):** updated start term to fall 2020

**ershenb (11/13/19 1:10 pm):** .

Key: 147

## Program Change Request

Date Submitted: 10/29/19 6:51 pm

**Viewing: GEOL-MI : Geology Minor**

**File: 67.5**

**Last approved: 07/21/15 9:29 am**

**Last edit: 11/04/19 10:07 am**

Changes proposed by: locmelism

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

Start Term
**Fall 2020** 08/17/2015
Program Code
GEOL-MI
Department
Geosciences and Geological and Petroleum Engineering
Title
Geology Minor

### In Workflow

1. **RGEOSENG Chair**
2. **CCC Secretary**
3. **Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. **Campus Curricula Committee Chair**
7. **FS Meeting Agenda**
8. Faculty Senate Chair
9. Registrar
10. Kristy Giacomelli-Feys

### Approval Path

1. 10/29/19 8:24 pm David Borrok (borrokd): Approved for RGEOSENG Chair
2. 10/31/19 10:03 am Brittany Parnell (ershenb): Rollback to RGEOSENG Chair for CCC Secretary
3. 11/01/19 9:07 am David Borrok (borrokd): Approved for RGEOSENG Chair
4. 11/04/19 10:07 am Brittany Parnell (ershenb): Approved for CCC Secretary
5. 11/19/19 12:22 pm Katie Shannon (shannonk): Approved for Sciences DSCC Chair
6. 11/19/19 1:53 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
7. 12/04/19 1:06 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
8. 12/04/19 1:07 pm Stephen Raper (sraper): Approved for Campus Curricula Committee Chair

### History

**Program Requirements and Description**

## Minor in Geology

The minor will consist of 18 hours of geology related course work and must include GEOLOGY 2611 and one of GEOLOGY 1110 or GEO ENG 1150 or GEOLOGY 1120. Six additional hours of course work must come from any combination of 1000, 2000, 3000 geology courses. The remaining 6 hours of course work can be from any combination of geology related courses approved by the geology and geophysics program. Approved geology related course work:

| | | |
|---|---|---|
| BIO SCI 1113 | General Biology | 3 |
| BIO SCI 1213 | Principles of Biology | 3 |
| BIO SCI 2233 | Course BIO SCI 2233 Not Found | |
| BIO SCI 2263 | Ecology | 3 |
| **BIO SCI 3233** | **Evolution** | **3** |
| ENV ENG 3603 | Chemical Fundamentals Of Environmental Engineering | 3 |
| ENV ENG 5630 | Remediation of Contaminated Groundwater And Soil | 3 |
| ENV ENG 5605 | Environmental Systems Modeling | 3 |
| GEO ENG 3175 | Geomorphology And Terrain Analysis | 3 |
| GEO ENG 4115 | Statistical Methods in Geology and Engineering | 3 |
| MIN ENG 3913 | Mineral Identification and Exploration | 3 |
| MIN ENG 3812 | Course MIN ENG 3812 Not Found | |
| MIN ENG 4522 | Course MIN ENG 4522 Not Found | |
| MIN ENG 4823 | Course MIN ENG 4823 Not Found | |
| **MIN ENG 5522** | **Ore Reserve Analysis and Geostatistics** | **3** |
| **MIN ENG 5823** | **Rock Mechanics** | **3** |
| PET ENG 3330 | Well Logging | 3 |
| PET ENG 4311 | Reservoir Characterization | 3 |
| PET ENG 4720 | Mechanical Earth Modeling | 3 |

Justification for request

Bio Sci changed the course from 2233 to 3233. The proposed change is to reflect this change in the G&G Minor Catalog.

Supporting Documents

Course Reviewer Comments

**ershenb (10/31/19 10:00 am):** Per the request of Marek Locmelis, removed the inactive MIN ENG 3812, MIN ENG 4522, MIN ENG 4823, and replaced with MIN ENG 5522 and MIN ENG 5823.

**ershenb (10/31/19 10:03 am):** Rollback: Please review minor again as 3 inactive MIN ENG courses were removed and two MIN ENG courses were added since your last approval.

**ershenb (11/04/19 10:07 am):** updated start terms to Fall 2020

Key: 67

HIST-BA: History BA

Page 1 of 3

## Program Change Request

Date Submitted: 10/30/19 4:20 pm

Viewing: **HIST-BA : History BA**

File: 157.19

Last approved: 06/18/18 12:29 pm

Last edit: 10/31/19 10:25 am

Changes proposed by: dewittp

Catalog Pages Using this Program
History

Start Term
**Fall 2020** ~~08/13/2018~~
Program Code
HIST-BA
Department
History and Political Science
Title
History BA

### In Workflow

1. RHISTORY Chair
2. CCC Secretary
3. Arts & Humanities DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. Kristy Giacomelli-Feys

### Approval Path

1. 10/31/19 8:48 am Michael Bruening (bruening): Approved for RHISTORY Chair
2. 10/31/19 10:25 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 10/31/19 10:41 am Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 11/18/19 2:38 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 12/04/19 12:31 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 12/04/19 12:33 pm Stephen Raper (sraper): Approved for Campus Curricula Committee Chair

### History

1. Aug 6, 2014 by Lahne Black (lahne)
2. Jul 21, 2015 by pantaleoa
3. Jun 27, 2016 by Petra Dewitt (dewittp)
4. Mar 27, 2017 by Petra Dewitt (dewittp)

https://nextcatalog.mst.edu/courseleaf/courseleaf.cgi?page=/programadmin/157/index.html...    12/6/2019

**Program Requirements and Description**

## Bachelor of Arts
## History

(In addition to general requirements for bachelor of arts degree.)

| | | |
|---|---|---|
| ~~HISTORY 1790~~ | ~~Introduction to History~~ | ~~1~~ |
| HISTORY 1300 | American History To 1877 | 3 |
| HISTORY 1310 | American History Since 1877 | 3 |
| ~~HISTORY 2700~~ | ~~Course HISTORY 2700 Not Found~~ | ~~3~~ |
| **HISTORY 4790** | **Historiography** | **3** |
| **HISTORY 2791** | **Historical Research Methods** | **3** |
| 2 American History Electives | | 6 |
| 2 European History Electives | | 6 |
| ~~3 History Electives~~ | | ~~9~~ |
| **2 History Electives** | | **6** |
| Total Credits | | 30 |

Note: History majors are also required to complete HISTORY 1100  and HISTORY 1200  as part of the general education requirements for the B.A. In addition, 9 hours of the **30** ~~31~~ major hours must be taken at the 3000 or 4000 level.

Note: History majors interested in graduate or professional school should take **HISTORY 4097** ~~HISTORY 4097~~ as independent research under the guidance of a faculty member in a short period (one semester).

Note: History majors must complete an experiential learning requirement. They can meet this requirement by taking **HISTORY 4085 or HISTORY 4097** ~~HISTORY 4085 or HISTORY 4097 or~~ study abroad, among other options, in consultation with their advisor.

Note: Entering students will normally take ENGLISH 1120 either semester of the first year.

## Secondary Education Emphasis Area

You may earn a B.A. degree in history from Missouri S&T and certification to teach in the schools of Missouri. This program may be completed in four academic years and student teaching is arranged with public schools within 30 miles of the Rolla campus.

Students interested in the certification program should consult with the advisor for history/education majors in the department of history and political science for requirements particular to those interested in this degree. Students should process a change of major form to designate history with an emphasis area of secondary education.

History students must complete **127** ~~128~~ credit hours, including requirements for teacher education  listed in this catalog. A minimum grade of "C" is required by the department in all history and political science courses counted towards this degree. Students must take the following courses:

| | | |
|---|---|---|
| Communication Skills: 9 hours | | |
| ENGLISH 1120 | Exposition And Argumentation | 3 |
| ENGLISH 1160 | Writing And Research | 3 |
| SP&M S 1185 | Principles Of Speech | 3 |
| Humanities: 12 hours with at least one course from the first three areas | | |
| Art or Music or Theater Appreciation | | |
| Philosophy | | |
| Literature | | |
| Foreign Language | | |
| ETYM 4306 | Introduction To Etymology | 3 |
| Social Sciences: 18 hours | | |
| POL SCI 1200 | American Government | 3 |
| Political Science Elective Must be 2XXX or above | | 3 |
| ECON 1100 | Principles Of Microeconomics | 3 |
| or ECON 1200 | Principles Of Macroeconomics | |
| PSYCH 1101 | General Psychology | 3 |
| PSYCH 4600 | Social Psychology | 3 |

| HISTORY 2110 | World Regional Geography | 3 |
|---|---|---|
| Natural Sciences: 7 hours = 2 courses and 1 lab | | |
| One course in Physics or Chemistry or Geology and one course in Biology | | |
| One laboratory in any of the above science courses | | |
| Mathematics: 3 hours | | |
| MATH 1120 | College Algebra (or higher) | 3-5 |
| or MATH 1103 | Fundamentals Of Algebra | |
| or MATH 1140 | College Algebra | |
| Clinical Experience: 16 hours | | |
| EDUC 1104 | Teacher Field Experience I | 2 |
| EDUC 1164 | Teacher Field Experience II | 2 |
| EDUC 4299 | Student Teaching | 12 |
| Professional Requirements: 26 hours | | |
| EDUC 1040 | Perspectives In Education | 2 |
| EDUC 1174 | School Organization and Administration For Teachers | 2 |
| ENGLISH 3170 | Teaching And Supervising Reading and Writing | 3 |
| EDUC 3216 | Teaching Reading in Content Area | 3 |
| EDUC 3280 | Teaching Methods and Skills in Content Areas | 6 |
| EDUC 4298 | Student Teaching Seminar | 1 |
| PSYCH 2300/EDUC 2102 | Educational Psychology | 3 |
| PSYCH 4310/EDUC 4310 | Psychology Of The Exceptional Child | 3 |
| PSYCH 3310 | Developmental Psychology | 3 |
| History Requirements: 36 hours | | |
| ~~HISTORY 1790~~ | ~~Introduction to History~~ | ~~1~~ |
| HISTORY 1100 | Early Western Civilization | 3 |
| HISTORY 1200 | Modern Western Civilization | 3 |
| HISTORY 1300 | American History To 1877 | 3 |
| HISTORY 1310 | American History Since 1877 | 3 |
| ~~HISTORY 2790~~ | ~~Course HISTORY 2790 Not Found~~ | ~~3~~ |
| **HISTORY 2791** | **Historical Research Methods** | **3** |
| **HISTORY 4790** | **Historiography** | **3** |
| American History Electives | | 6 |
| European History Electives | | 6 |
| History Electives | | 6 |

Justification for request

The history department decided to change how it taught historiography because students need more training in writing and research methods to become true professionals. Instead of having one sophomore-level course that combined research methods with historiography (the history of history) and demanded an immense workload that few students could maintain, the department decided to divide the course into two required courses.

Supporting Documents

Course Reviewer Comments

**ershenb (10/31/19 10:25 am):** formatting

Key: 157

# Course Change Request

## New Experimental Course Proposal

Date Submitted: 11/13/19 6:13 pm

Viewing: **BIO SCI 4001.005 : Immunology**

File: 4679

Last edit: 11/19/19 1:48 pm

Changes proposed by: niyogid

| | |
|---|---|
| Requested Effective Change Date | Fall 2020 |
| Department | Biological Sciences |
| Discipline | Biological Sciences (BIO SCI) |
| Course Number | 4001 |
| Topic ID | 005 |
| Experimental Title | Immunology |
| Experimental Abbreviated Course Title | Immunology |
| Instructors | Liu, J. |

| | |
|---|---|
| Experimental Catalog Description | Introduction to the immune system, and the role of immunology in diseases and treatments. Major topics include the development of the immune system, including T cell and B cell development, innate and adaptive immunity, autoimmunity and tumor immunology. |
| Prerequisites | Bio Sci 2213 and Bio Sci 2223; Bio Sci 3313 is recommended. |
| Field Trip Statement | NA |
| Credit Hours | LEC: 3   LAB: 0   IND: 0   RSD: 0   Total: 3 |

| | |
|---|---|
| Justification for new course: | An immunology class was previously offered about 15 years ago, but we discontinued its offering because of limited instructors. A new faculty member on campus (Jinling Liu) will teach this class starting Fall of 2020. This class will be taken by many students interested in health-related fields. |
| Semester(s) previously taught | None |
| Co-Listed Courses: | |

Course Reviewer Comments

### In Workflow

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

### Approval Path

1. 11/14/19 8:13 am David Duvernell (duvernelld): Approved for RBIOLSCI Chair
2. 11/14/19 9:30 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 11/19/19 12:22 pm Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 11/19/19 1:52 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 12/04/19 11:45 am Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

Key: 4679

6. 12/04/19 11:58
   am
   Stephen Raper
   (sraper):
   Approved for
   Campus Curricula
   Committee Chair

7. 12/04/19 12:04
   pm
   Marita Tibbetts
   (tibbettsmg):
   Approved for CAT
   entry

Preview Bridge

## Course Change Request

**New Experimental Course Proposal**

Date Submitted: 11/13/19 12:31 pm

Viewing: **BIO SCI 5001.006 : Forest, Prairie and Wildlife Management and Conservation**

File: 4678

Last edit: 11/19/19 1:51 pm

Changes proposed by: verbler

| | |
|---|---|
| Requested Effective Change Date | Summer 2020 |
| Department | Biological Sciences |
| Discipline | Biological Sciences (BIO SCI) |
| Course Number | 5001 |
| Topic ID | 006 |
| Experimental Title | Forest, Prairie and Wildlife Management and Conservation |
| Experimental Abbreviated Course Title | FPW Mgmt & Conservation |
| Instructors | Robin Verble |

| | |
|---|---|
| Experimental Catalog Description | This course will combine field and laboratory components in applied field ecology-- best management practices for forests, prairies and wildlife; common census and survey techniques; life history, identification and ecology of common Missouri wildlife; conservation techniques; harvest management; population dynamics; and vegetation survey and identification. |
| Prerequisites | Bio Sci 1113 or Bio Sci 1213; Bio Sci 1223 and Bio Sci 1229. |
| Field Trip Statement | This course will be taught exclusively at the Ozark Research Field Station. |
| Credit Hours | LEC: 2    LAB: 1    IND: 0    RSD: 0    Total: 3 |

| | |
|---|---|
| Justification for new course: | As the Ozark Research Field Station develops, one of the master planning goals is to increase the number of courses that are offered at the field station-- This course is part of that effort. The course will also increase the number of laboratory courses offered in the Department of Biological Sciences and broaden the course offerings in the Department. Finally, this course will provide students who are interested in state and federal jobs in natural resources management with the tools, knowledge, and skills that they need to successfully obtain those positions. |
| Semester(s) previously taught | None at Missouri S&T. I have taught similar versions of this from 2012 -2018 at Texas Tech University. |

**In Workflow**

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

**Approval Path**

1. 11/13/19 5:21 pm David Duvernell (duvernelld): Approved for RBIOLSCI Chair
2. 11/14/19 9:34 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 11/19/19 12:22 pm Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 11/19/19 1:52 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 12/04/19 11:45 am Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

Co-Listed
Courses:

Course Reviewer
Comments

Key: 4678

6. 12/04/19 11:58
   am
   Stephen Raper
   (sraper):
   Approved for
   Campus Curricula
   Committee Chair
7. 12/04/19 12:06
   pm
   Marita Tibbetts
   (tibbettsmg):
   Approved for CAT
   entry

Preview Bridge

## Course Change Request

**New Experimental Course Proposal**

Date Submitted: 10/15/19 9:31 pm

Viewing: **CHEM ENG 5001.010 : Introduction to Lubrication and Tribology**

File: 4671

Last edit: 11/18/19 2:24 pm

Changes proposed by: jcwang

| | |
|---|---|
| Requested Effective Change Date | Fall 2020 |
| Department | Chemical and Biochemical Engineering |
| Discipline | Chemical Engineering (CHEM ENG) |
| Course Number | 5001 |
| Topic ID | 010 |
| Experimental Title | Introduction to Lubrication and Tribology |
| Experimental Abbreviated Course Title | Lubrication & Tribology |
| Instructors | Jee-Ching Wang |
| Experimental Catalog Description | Different lubrication regimes encountered in industry and modern technologies with moving mechanical, electromechanical, and biological components are studied. Design and selection of tribological systems are addressed via case studies and topics including friction and wear mechanisms, surface characteristics and coating, lubricant properties and additives. |
| Prerequisites | Chem Eng 3141. |
| Field Trip Statement | |

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

| | |
|---|---|
| Justification for new course: | The study of friction, wear, and lubrication is of critical importance to various industries and to the function of many mechanical, electromechanical, and biological systems. This field is called tribology and has received increasing attention in recent years because the material and energy costs resulting from high friction and wear have been estimated to be greater than 6% of the Gross National Product. This devoted course is the first on campus to address this need and can benefit interested students from several disciplines. |
| Semester(s) previously taught | |

In Workflow

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

Approval Path

1. 10/29/19 2:39 pm Joseph Smith (smithjose): Approved for RCHEMENG Chair
2. 10/29/19 3:51 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 11/18/19 8:33 am Stephen Raper (sraper): Approved for Engineering DSCC Chair
4. 11/18/19 2:37 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 12/04/19 11:45 am Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

Co-Listed
Courses:

| Course Reviewer Comments | **sraper (11/18/19 8:33 am):** Removed instructor approval in prereqs. |
|---|---|

Key: 4671

6. 12/04/19 11:58 am
   Stephen Raper (sraper):
   Approved for Campus Curricula Committee Chair

7. 12/04/19 12:08 pm
   Marita Tibbetts (tibbettsmg):
   Approved for CAT entry

Preview Bridge

# Course Change Request

## New Experimental Course Proposal

Date Submitted: 11/08/19 9:07 am

Viewing: **CIV ENG 5001.004 : Bridge Engineering**

File: 4677

Last edit: 11/18/19 2:27 pm

Changes proposed by: seelyj

| | |
|---|---|
| Requested Effective Change Date | Spring 2020 |
| Department | Civil, Architectural, and Environmental Engineering |
| Discipline | Civil Engineering (CIV ENG) |
| Course Number | 5001 |
| Topic ID | 004 |
| Experimental Title | Bridge Engineering |
| Experimental Abbreviated Course Title | Bridge Engineering |
| Instructors | Dr. Grace Yan |

Experimental
Catalog
Description

An introduction to Bridge Engineering through a balanced theoretical and practical insight into the art and science of bridges by covering design loads, design philosophy, superstructure/substructure design and bridge rating.

Prerequisites

A grade of "C" or better in Civ Eng 3201, Civ Eng 3210, or Civ Eng 3220.

Field Trip
Statement

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

Justification for
new course:

To introduce advanced undergraduates and graduates students to Bridge Engineering. Our department does not currently have any course work on this topic.

### In Workflow

1. **RCIVILEN 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. 11/12/19 2:45 pm Joel Burken (burken): Approved for RCIVILEN Chair
2. 11/12/19 4:23 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 11/18/19 8:34 am Stephen Raper (sraper): Approved for Engineering DSCC Chair
4. 11/18/19 2:38 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 12/04/19 11:46 am Brittany Parnell (ershenb):

Semester(s)
previously taught

Co-Listed
Courses:

Course Reviewer
Comments
**ershenb (11/08/19 9:44 am):** updated course description per the email request of
Jody Seely.
**sraper (11/18/19 8:33 am):** Revised prereq statement.

Key: 4677

Approved for CCC
Meeting Agenda
6. 12/04/19 11:58
am
Stephen Raper
(sraper):
Approved for
Campus Curricula
Committee Chair
7. 12/04/19 12:09
pm
Marita Tibbetts
(tibbettsmg):
Approved for CAT
entry

Preview Bridge

# Course Change Request

## New Experimental Course Proposal

Date Submitted: 09/27/19 11:02 am

Viewing: **COMP ENG 5001.001 : Introduction to Convex Optimization**

File: 4670

Last edit: 10/29/19 10:00 am

Changes proposed by: mlr6xd

| | |
|---|---|
| Requested Effective Change Date | Spring 2020 |
| Department | Electrical and Computer Engineering |
| Discipline | Computer Engineering (COMP ENG) |
| Course Number | 5001 |
| Topic ID | 001 |
| Experimental Title | Introduction to Convex Optimization |
| Experimental Abbreviated Course Title | Convex Optimization |
| Instructors | Ahmad Alsharoa |

**Experimental Catalog Description**

The course will cover techniques in solving convex optimization problems emerging in engineering and computer science. Topics covered include: convex functions, convex sets, optimization problem formulation, duality and Karush Kuhn Tucker (KKT) conditions.

**Prerequisites**

Math 3108.

**Field Trip Statement**

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

Justification for new course:

### In Workflow

1. **RELECENG Chair**
2. **RCOMPSCI Chair**
3. **RMATHEMA Chair**
4. **CCC Secretary**
5. **Engineering DSCC Chair**
6. **Pending CCC Agenda post**
7. **CCC Meeting Agenda**
8. **Campus Curricula Committee Chair**
9. **CAT entry**
10. **Registrar**

### Approval Path

1. 10/16/19 11:52 am
   Daryl Beetner (daryl): Approved for RELECENG Chair
2. 10/17/19 3:08 pm
   Bruce McMillin (ff): Approved for RCOMPSCI Chair
3. 10/29/19 9:56 am
   vsam: Approved for RMATHEMA Chair
4. 10/29/19 10:00 am
   Brittany Parnell (ershenb): Approved for CCC Secretary
5. 11/18/19 8:35 am
   Stephen Raper (sraper):

This is an area that we want to expand.

Co-list: ELEC ENG 5001 Special Topics
COMP SCI 5001 Special Topics
MATH 5001 Special Topics

Semester(s)
previously taught
  None

Co-Listed
Courses:

Course Reviewer
Comments
  **ershenb (10/15/19 3:27 pm):** moved ELEC ENG 5001 and COMP SCI 5001 to the
  justifications section per the EC process (CourseLeaf technicalities)

Key: 4670

Approved for
Engineering DSCC
Chair

6. 11/18/19 2:38 pm
Brittany Parnell
(ershenb):
Approved for
Pending CCC
Agenda post

7. 12/04/19 11:48
am
Brittany Parnell
(ershenb):
Approved for CCC
Meeting Agenda

8. 12/04/19 11:58
am
Stephen Raper
(sraper):
Approved for
Campus Curricula
Committee Chair

9. 12/04/19 12:14
pm
Marita Tibbetts
(tibbettsmg):
Approved for CAT
entry

Preview Bridge

# Course Change Request

**New Experimental Course Proposal**

Date Submitted: 11/14/19 2:15 pm

Viewing: **HISTORY 4001.004 : Historical Representation in Video Games**

File: 4680

Last edit: 12/04/19 11:49 am

Changes proposed by: behrendta

| | |
|---|---|
| Requested Effective Change Date | Fall 2020 |
| Department | History and Political Science |
| Discipline | History (HISTORY) |
| Course Number | 4001 |
| Topic ID | 004 |
| Experimental Title | Historical Representation in Video Games |
| Experimental Abbreviated Course Title | Hist Repr in Video Games |
| Instructors | Andrew Behrendt |

Experimental Catalog Description

This course explores video games as a medium for representing the past. By playing, watching, and analyzing a wide array of games, including popular series, students will learn core concepts in historiography and the philosophy of history. No previous gaming experience required.

Prerequisites

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:

**In Workflow**

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

**Approval Path**

1. 11/14/19 2:52 pm Michael Bruening (bruening): Approved for RHISTORY Chair
2. 11/14/19 4:11 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 11/14/19 4:14 pm Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 11/18/19 2:38 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 12/04/19 11:50 am Brittany Parnell

This course is being developed as part of a 2019-2020 eFellows grant.

HISTORICAL REPRESENTATION IN VIDEO GAMES will be an entirely new blended course open to all S&T students who have taken any of the entry-level history courses. It taps into the widespread popularity of historically-themed video games as a way to teach students major concepts in historiography (i.e. the study of history-writing, its methods, and its practitioners), the philosophy of history, and media studies. Its goal is to encourage students to think more critically about how the media they consume makes statements, both explicit and implicit, about the nature of humanity's past. It will give students the opportunity to develop Humanities skills (creating, presenting on, and writing about digital media) using STEM tools in a flexible course format.

FROM THE CURRENT COURSE DESCRIPTION, DRAFTED WITH CAFE DESIGNERS:
History is more than a matter of documenting and explaining the events of the past; it is also a matter of how we choose to represent them. Whether it is done in a textbook, a scholarly monograph, a work of art, or everyday conversation, historical representation is a deliberate and creative act, resting on assumptions of what the past was like and how history "happens." Buried within every attempt to depict the past is a philosophy of history; and all of these attempts together make up the intellectual history of historical representation, which specialists call historiography. In this course, we will explore video games as a medium of historical representation and stake out the place of video games within the historiographical tradition. We will play, watch, and discuss a wide array of history-based games—which includes popular franchises such as Civilization, Assassin's Creed, and Red Dead Redemption, as well as lesser known and vintage titles—critically examining the philosophies of history at work behind the pixels, and discovering how "playing the past" uniquely shapes our understanding of it.

| Semester(s) previously taught | N/A |
|---|---|

Co-Listed Courses:

| Course Reviewer Comments | **ershenb (12/04/19 11:49 am):** removed "Either" from prereq and listed the prereqs in numerical order. |
|---|---|

(ershenb): Approved for CCC Meeting Agenda

6. 12/04/19 11:58 am
Stephen Raper (sraper): Approved for Campus Curricula Committee Chair

7. 12/04/19 12:16 pm
Marita Tibbetts (tibbettsmg): Approved for CAT entry

Key: 4680

Preview Bridge

## Course Change Request

<div align="center">

**New Experimental Course Proposal**
</div>

Date Submitted: 10/24/19 10:57 am

Viewing: **PHILOS 2001.004 : Philosophy of the City**

File: 4674

Last edit: 11/18/19 2:36 pm

Changes proposed by: karmannc

| | |
|---|---|
| Requested Effective Change Date | Summer 2020 |
| Department | Arts, Languages, & Philosophy |
| Discipline | Philosophy (PHILOS) |
| Course Number | 2001 |
| Topic ID | 004 |
| Experimental Title | Philosophy of the City |
| Experimental Abbreviated Course Title | Philosophy of the City |
| Instructors | Shane Epting |

| | |
|---|---|
| Experimental Catalog Description | This course examines how humankind's thinking about urban environments has progressed by making "the city" an object of study and employing the tools of philosophy to question its metaphysical, political, ethical, and aesthetic dimensions. It uses philosophical analysis to understand topics such as zoning, housing, transportation, and infrastructure. |
| Prerequisites | English 1120 or any philosophy class. |
| Field Trip Statement | |
| Credit Hours | LEC: 3    LAB: 0    IND: 0    RSD: 0    Total: 3 |

| | |
|---|---|
| Justification for new course: | Firstly, cities have been a recurrent topic throughout the history of philosophy. Yet, until recently, contemporary philosophers have neglected to give them sufficient attention. During the last decade, there has been an increasing trend in professional philosophy to study cities, employing lessons throughout the history of philosophy to understand their many dimensions. This course aims to keep students current on the most recent advancements in the discipline of philosophy. |
| | Secondly, research on the future of cities at Missouri S & T has been on the cutting edge with trailblazing initiatives such as the Smart Living signature area, which "seamlessly improves quality of life by transforming home, workplace, transportation and energy infrastructures into "smart" environments." This course complements and bolsters this kind of research through teaching students about the |

### In Workflow

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

### Approval Path

1. 10/24/19 4:49 pm
   Audra Merfeld-Langston (audram): Approved for RPHILOSO Chair
2. 10/28/19 9:08 am
   Brittany Parnell (ershenb): Approved for CCC Secretary
3. 10/28/19 10:25 am
   Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 11/18/19 2:38 pm
   Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 12/04/19 11:56 am
   Brittany Parnell (ershenb):

broader social, political, and ethical impacts of topics such as smart living. Thirdly, this course will help prepare S & T students for a dynamic world that requires leaders who not only understand the physical challenges of designing cities for human flourishing, but it will enhance their education though teaching them about the values that underpin how they address such issues. For instance, the majority of Earth's population now lives in cities, and many researchers predict that this trend will only increase. In turn, urban environments will also require additional attention to address the numerous challenges that this situation currently presents and will continue to raise. A course of this caliber will ready them to take on these challenges.

Semester(s) previously taught

Co-Listed Courses:

Approved for CCC Meeting Agenda

6. 12/04/19 11:58 am
Stephen Raper (sraper):
Approved for Campus Curricula Committee Chair

7. 12/04/19 12:20 pm
Marita Tibbetts (tibbettsmg):
Approved for CAT entry

| Course Reviewer Comments | **dewittp (10/28/19 10:25 am):** After conversation with instructor, removed sophomore standing from prerequisite. |

Key: 4674

Preview Bridge