



Minutes of the Campus Curricula Committee Meeting

August 19, 2014

2:00 p.m., Room 106 B Parker Hall

Attendees: Kaylon Buckner, Petra DeWitt, Barry Flachsbart, Kristy Giacomelli, Irina Ivliyeva, Gearoid McSithigh, Ilene Morgan, Thomas Schuman, and Paul Worsey.

The following curriculum forms were discussed and approved:

Degree Change Forms:

File #232

File #30.5

File #135.9

Course Change Forms:

File #2004.1

File #4091

File #2329.5

File #666.1

File #2214.2

File #1173.1

File #840.1

File #392.1

File #567.1

File #1928.1

File #986.1

File #4093

Experimental Course Forms:

File #4096

File #4100

File #4099 (approved as EC)

Dr. Schuman presented an updated on the Bachelor of Science Curriculum Standard

AY 2014-2015 Curricula Meeting Dates and Form Submission Deadlines were approved.

The meeting adjourned at 3.45 p.m.

Thomas Schuman, Chair
Missouri S&T Campus Curricula Committee



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Missouri S&T Campus Curricula Committee

Program Change Request

New Program Proposal

Date Submitted: 04/14/14 11:20 am

Viewing: **PROPOSED : Military Aerospace Studies Minor**

File: 232

Last edit: 08/25/14 11:26 am

Changes proposed by: chronisterbk

Start Term	Fall 2015
Program Code	PROPOSED
Department	Aerospace Studies - Air Force ROTC
Title	Military Aerospace Studies Minor

Program Requirements and Description

Air Force Reserve Officer Training Corps (ROTC) is administered by the Department of Aerospace Studies. Although Air Force ROTC is set up as a four-year program, students can choose a four, three and a half, or three year course of study. The first two years of the program, called the General Military Course (GMC), cover basic introductory military topics as well as communication and leadership. The final two years of the program, called the Professional Officer Course (POC), cover topics such as leadership, management, doctrine, international events, quality, communication, and officership. To fulfill the requirements for the proposed Aerospace Studies minor, students will complete all of the following classes for a total of 16 credit hours.

MIL AIR 1110	Foundations Of The U.S. Air Force I	1
MIL AIR 1120	Foundations Of The U.S. Air Force II	1
MIL AIR 2110	The Evolution Of USAF Air And Space Power I	1
MIL AIR 2120	The Evolution Of USAF Air And Space Power II	1
MIL AIR 3110	Air Force Leadership Studies I	3
MIL AIR 3120	Air Force Leadership Studies II	3
MIL AIR 4110	National Security Affairs/Preparation For Active Duty I	3
MIL AIR 4120	National Security Affairs/Preparation For Active Duty II	3

In Workflow

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

Approval Path

1. 07/01/14 1:50 pm
sowam: Approved for RMILISCI Chair
2. 07/07/14 9:17 am
kleb6b: Approved for CCC Secretary
3. 07/29/14 9:01 am
kleb6b: Approved for Pending CCC Agenda post
4. 08/25/14 11:26 am
kleb6b: Approved for CCC Meeting Agenda
5. 08/25/14 11:33 am
tschuman: Approved for Campus Curricula Committee Chair

Justification for request Department request

Supporting Documents

Course Reviewer Comments **kleb6b (04/04/14 11:44 am):** Rollback: Please clarify the requirements for the proposed Minor using 4 digit course numbers
kleb6b (04/04/14 3:17 pm): Rollback: Clarify Minor Requirements
kleb6b (08/22/14 11:55 am): Change Start Term
kleb6b (08/25/14 11:26 am): Name Change

Program Change Request

Date Submitted: 05/12/14 3:09 pm

Viewing: **A&E BIO-MS : Applied and Environ Biology MS**

File: 30.5

Last approved: 04/28/14 8:22 am

Last edit: 07/30/14 7:36 am

Changes proposed by: shannonk

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

Start Term **Fall 2015** ~~8/1/2014~~
Program Code A&E BIO-MS
Department Biological Sciences
Title Applied and Environ Biology MS

Program Requirements and Description

Degree Requirements M.S. - with thesis

BIO SCI 6202	Problems In Applied And Environmental Biology
BIO SCI 5010	Graduate Seminar
BIO SCI 6273	Techniques In Applied And Environmental Biology
BIO SCI 5099	Graduate Research
BIO SCI 6223	Research Proposal Writing

Degree Requirements M.S. - without thesis

BIO SCI 6202	Problems In Applied And Environmental Biology
BIO SCI 5010	Graduate Seminar

Elective courses are chosen with guidance from the advisor and advisory committee. A minimum of 30 credit hours is required for a MS degree. Up to 6 credit hours may be taken at the 3000-level in courses offered by other departments. Candidates for the MS degree with thesis conduct original research that is defended in a final oral examination. Non-thesis MS degree candidates take a comprehensive written final examination.

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. juliep

Approval Path

1. 05/12/14 3:37 pm
aronstam: Approved for RBIOLSCI Chair
2. 05/12/14 3:56 pm
kleb6b: Approved for CCC Secretary
3. 07/30/14 7:37 am
tauritzd: Approved for Sciences DSCC Chair
4. 07/30/14 7:42 am
kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:04 pm
kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:25 pm
tschuman: Approved for Campus Curricula Committee Chair

History

1. Apr 28, 2014 by shannonk

Justification for request We are removing the requirement for the course Bio Sci 6273 Techniques in Applied and Environmental Biology and replacing it with a requirement for Bio Sci 6223 Research Proposal Writing.

Supporting Documents

Course Reviewer Comments **tauritzd (07/30/14 7:36 am):** This form was submitted too late to be effective FS2014, thus the effective term has been changed to the next possible, which is FS2015.

Key: 30

Program Change Request

Date Submitted: 04/24/14 9:55 am

Viewing: **TCH COM-MS : Technical Communication MS**

File: 135.9

Last approved: 04/23/14 3:38 pm

Last edit: 08/22/14 12:18 pm

Changes proposed by: kswenson

Catalog Pages [Technical Communication](#)
Using this
Program

Start Term **Fall 2015** ~~8/1/2014~~
Program Code TCH COM-MS
Department English and Technical Communication
Title Technical Communication MS

Program Requirements and Description

M.S. Degree Requirements

The following 10 courses (totaling 30 credit hours) are required for the M.S.:

TCH COM 5620	Research Methods in Technical Communication	3
TCH COM 4520	Help Authoring	3
TCH COM 5510	Technical Editing	3
TCH COM 5530	Usability Studies	3
TCH COM 5610	History of Technical Communication	3

In Workflow

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

Approval Path

1. 04/24/14 9:58 am
kswenson:
Approved for
REGLISH Chair
2. 04/24/14 3:29 pm
kleb6b: Approved
for CCC Secretary
3. 04/25/14 9:20 am
ivliyeva: Approved
for Arts &
Humanities DSCC
Chair
4. 04/30/14 2:38 pm
kleb6b: Approved
for Pending CCC
Agenda post
5. 05/21/14 4:24 pm
kleb6b: Rollback to
Pending CCC
Agenda post for
CCC Meeting
Agenda
6. 07/29/14 9:04 am
kleb6b: Approved
for Pending CCC
Agenda post
7. 08/22/14 12:18 pm
kleb6b: Approved
for CCC Meeting
Agenda
8. 08/22/14 12:24 pm
tschuman:
Approved for
Campus Curricula
Committee Chair

History

1. Apr 23, 2014 by
kswenson

TCH COM 6600	Foundations of Technical Communication	3
TCH COM 5560	Web-Based Communication	3
TCH COM 5450	Course TCH COM 5450 Not Found	3
TCH COM 6440	Advanced Theories of Visual Technical Communication	3
TCH COM 6450	Advanced International Technical Communication	3
TCH COM 5550	Advanced Proposal Writing	3
Total Credits		30

A student completing the master's degree will also take a comprehensive exam during his/her final semester. If the student chooses to do a thesis instead of the exam, and the technical communication faculty give their approval to this plan, the student will have to take 6 hours of ~~advisor-approved 4000-level and above TCH COM 5099: coursework in addition to the above 10-course sequence~~ **Research in addition to the above 10-course sequence.**

Justification for request Thesis students should register for research rather than additional coursework.

Supporting Documents

Course Reviewer **kleb6b (05/21/14 4:24 pm):** Rollback: Tabled until next meeting
Comments **kleb6b (06/13/14 11:17 am):** Update Start Term
 kleb6b (08/22/14 12:18 pm): Switched out TCH COM 5450 for TCH COM 6450

Key: 135

Course Inventory Change Request

Date Submitted: 06/26/14 10:57 am

Viewing: **ART 1185 : Study Of Film**

File: 2004.1

Last edit: 08/22/14 12:21 pm

Changes proposed by: denises

Programs referencing this course	ART-MI: Art Minor ECON-BS: Economics BS FILM<-MI: Film and Literature Minor				
Other Courses referencing this course	In The Prerequisites: ART 3245 : Thomas Hart Benton And The Tradition Of American Art ART 3250 : Thematic Studies In Film & Literature				
Requested Effective Change Date	Spring 2015-Fall 2014				
Department	Arts, Languages, & Philosophy				
Discipline	Art (ART)				
Course Number	1185				
Title	Study Of Film				
Abbreviated Course Title	Study Of Film				
Catalog Description	A study of classic and contemporary films with emphasis on director's technique and philosophy. Films by Fellini, Antonioni plus Bergman, Chaplin, etc. will be viewed and discussed. \$30 lab fee required.				
Prerequisites					
Field Trip Statement					
Credit Hours	LEC: 2	LAB: 1	IND: 0	RSD: 0	Total: 3
Required for Majors	No				
Elective for Majors	Yes				
Justification for change:	\$30 Lab fee required added to Program Description				
Semesters previously offered as an					

In Workflow

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

Approval Path

1. 06/26/14 12:21 pm
lance: Approved for RPHILOSO Chair
2. 07/07/14 9:18 am
kleb6b: Approved for CCC Secretary
3. 07/07/14 11:40 am
ivliyeva: Approved for Arts & Humanities DSCC Chair
4. 07/29/14 8:45 am
kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:21 pm
kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:22

experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

pm
tschuman:
Approved for
Campus Curricula
Committee Chair

Key: 2004

Course Inventory Change Request

New Course Proposal

Date Submitted: 05/12/14 3:07 pm

Viewing: **BIO SCI 6223 : Research Proposal Writing**

File: 4091

Last edit: 08/22/14 12:22 pm

Changes proposed by: shannonk

Programs referencing this course	A&E BIO-MS: Applied and Environ Biology MS				
Requested Effective Change Date	Spring 2015				
Department	Biological Sciences				
Discipline	Biological Sciences (BIO SCI)				
Course Number	6223				
Title	Research Proposal Writing				
Abbreviated Course Title	Research Proposal				
Catalog Description	Students will learn best practices of grant proposal writing. Students will conduct background research, prepare an annotated bibliography, brainstorm specific aims, and critique each other's writing. The course will conclude with a presentation by the student of their finished proposal.				
Prerequisites	Graduate standing				
Field Trip Statement	none				
Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0	Total: 3
Required for Majors	No				
Elective for Majors	Yes				
Justification for new course:	This course is a new requirement to replace the required course Techniques in Applied and Environmental Biology				
Semesters previously offered as an experimental course					

- In Workflow
1. RBIOLSCI Chair
 2. CCC Secretary
 3. Sciences DSCC Chair
 4. Pending CCC Agenda post
 5. CCC Meeting Agenda
 6. Campus Curricula Committee Chair
 7. FS Meeting Agenda
 8. Faculty Senate Chair
 9. Registrar
 10. Ishelton
 11. Peoplesoft

- Approval Path
1. 05/12/14 3:37 pm aronstam: Approved for RBIOLSCI Chair
 2. 05/12/14 3:56 pm kleb6b: Approved for CCC Secretary
 3. 07/30/14 7:33 am tauritzd: Approved for Sciences DSCC Chair
 4. 07/30/14 7:44 am kleb6b: Approved for Pending CCC Agenda post
 5. 08/22/14 12:22 pm kleb6b: Approved for CCC Meeting Agenda
 6. 08/22/14 12:26 pm tschuman: Approved for

Co-Listed
Courses:

Campus Curricula
Committee Chair

Course Reviewer
Comments

Key: 4091

Course Inventory Change Request

Date Submitted: 06/30/14 4:21 pm

Viewing: **COMP ENG 3151 : Digital Engineering Lab II**

File: 2329.5

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

Last edit: 08/22/14 12:22 pm

Changes proposed by: lahne

Other Courses referencing this course	In The Prerequisites: COMP ENG 5120 : Digital Computer Design				
Requested Effective Change Date	Spring 2015-Fall 2014				
Department	Electrical and Computer Engineering				
Discipline	Computer Engineering (COMP ENG)				
Course Number	3151				
Title	Digital Engineering Lab II				
Abbreviated Course Title	Digital Eng Lab II				
Catalog Description	Advanced digital design techniques, Microcontroller based design, hardware and software codesign.				
Prerequisites	Comp Eng 2210, Comp Eng 2211, and Comp Sci 1570 (or programming equivalent) each with grade of "C" or better. Preceded or accompanied by Comp Eng 3150, Elec Eng 2200 and Elec Eng 2201. 3150.				
Field Trip Statement					
Credit Hours	LEC: 0	LAB: 1	IND: 0	RSD: 0	Total: 1
Required for Majors	No				
Elective for Majors	Yes No				
Justification for change:	File #2329.1 was approved at the May CCC/June FS meetings as a course number change with an effective of Fall 2014. This form adds in the requested co-requisite changes with an effective term of Spring 2015.				
Semesters previously offered as an experimental course					

In Workflow

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

Approval Path

1. 07/05/14 4:10 pm kte: Approved for RELECENG Chair
2. 07/07/14 9:19 am kleb6b: Approved for CCC Secretary
3. 07/16/14 10:24 am sraper: Approved for Engineering DSCC Chair
4. 07/29/14 8:49 am kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:22 pm kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:46 pm tschuman: Approved for Campus Curricula

Co-Listed

Courses:

Course Reviewer

Comments

Committee Chair

History

1. Jun 30, 2014 by
stanleyj (2329.1)

Key: 2329

Course Inventory Change Request

Date Submitted: 06/25/14 3:25 pm

Viewing: **COMP SCI 3803 3889: Computer Organization**

File: 666.1

Last edit: 08/22/14 12:22 pm

Changes proposed by: tauritzd

Requested **Spring 2015-Fall 2014**

Effective Change

Date

Department Computer Science

Discipline Computer Science (COMP SCI)

Course Number **3803-3889**

Title Computer Organization

Abbreviated Computer Organization

Course Title

Catalog Description A detailed study of computer organization concepts and the components of a computer system including control unit, microprogramming, pipelining, memory hierarchy, cache design, virtual memory, I/O ~~H/O~~ devices, and a brief introduction to parallel processors.

Prerequisites **A "C" or better in both Comp Eng 2210 and Comp Sci 1510. ~~Comp Sci 2889.~~**

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 currently listed prerequisite is not being taught. The proposed prerequisites are being taught and cover the necessary background knowledge for this course.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

In Workflow

1. RCOMPSCI 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. Ishelton
11. Peoplesoft

Approval Path

1. 06/30/14 9:04 pm
sdas: Approved for RCOMPSCI Chair
2. 07/07/14 9:19 am
kleb6b: Approved for CCC Secretary
3. 07/30/14 7:33 am
tauritzd: Approved for Sciences DSCC Chair
4. 07/30/14 7:45 am
kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:23 pm
kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:47 pm
tschuman: Approved for

Key: 666

Course Inventory Change Request

Date Submitted: 04/29/14 8:37 am

Viewing: **ELEC ENG 4096 : Electrical Engineering Senior Project I**

File: 2214.2

Last approved: 04/28/14 4:00 am

Last edit: 04/29/14 8:37 am

Changes proposed by: lahne

Programs
referencing this
course

[CP ENG-BS: Computer Engineering BS](#)
[EL ENG-BS: Electrical Engineering BS](#)
[EL ENG-MI: Minor in Electrical Engineering](#)

Other Courses
referencing this
course

In The Prerequisites:
[ELEC ENG 4097 : Electrical Engineering Senior Project II](#)

Requested
Effective Change
Date

Spring 2015

Department

Electrical and Computer Engineering

Discipline

Electrical Engineering (ELEC ENG)

Course Number

4096

Title

Electrical Engineering Senior Project I

Abbreviated
Course Title

EE Senior Project I

Catalog
Description

A complete design cycle. Working in small teams, students will design, document, analyze, implement and test a product. Topics include: Iteration in design, prototyping, group dynamics, design reviews, making effective presentations, concurrent design, designing for test, ethics and standards, testing and evaluation.

Prerequisites

Comp Eng 2210, Econ 1100 or 1200, English 3560, at least 3 of the following: Elec Eng 3500, Elec Eng 3540, Elec Eng 3320, Elec Eng **3420**, ~~241~~, Elec Eng 3600, Elec Eng 3100.

Field Trip
Statement

Credit Hours

LEC: 0 LAB: .5 IND: 0 RSD: .5 Total: 1

Required for
Majors

Yes

Elective for
Majors

No

Justification for
change:

replace inactive course in prerequisite.

In Workflow

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

Approval Path

1. 04/30/14 9:50 am
kte: Approved for RELECENG Chair
2. 04/30/14 9:52 am
kleb6b: Approved for CCC Secretary
3. 06/13/14 10:10 am
sraaper: Approved for Engineering DSCC Chair
4. 07/29/14 8:51 am
kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:23 pm
kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:47 pm
tschuman: Approved for Campus Curricula

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Committee Chair

History

1. Apr 28, 2014 by
lahne (2214.1)

Course Reviewer
Comments

Key: 2214

Course Inventory Change Request

Date Submitted: 04/26/14 3:20 pm

Viewing: **GEO ENG 1150 : Introduction to Physical Geology**

File: 1173.1

Last edit: 06/13/14 10:13 am

Changes proposed by: gertschl

Catalog Pages referencing this course	Freshman Engineering Program
Programs referencing this course	CV ENG-BS: Civil Engineering BS EV ENG-BS: Environmental Engineering BS GE ENG-BS: Geological Engineering BS GE ENG-MI: Geological Engineering Minor GEOL-MI: Geology Minor MI ENG-BS: Mining Engineering BS PE ENG-BS: Petroleum Engineering BS
Other Courses referencing this course	<p>In The Catalog Description:</p> GEOLOGY 1111 : Introduction to Physical Geology <p>In The Prerequisites:</p> CIV ENG 3116 : Construction Materials, Properties And Testing CIV ENG 3715 : Fundamentals of Geotechnical Engineering CIV ENG 6760 : Inca Civilization Geotechnical Engineering Practices GEO ENG 2536 : Basic Weather GEO ENG 3175 : Geomorphology And Terrain Analysis GEO ENG 3249 : Fundamentals Of Computer Applications In Geological Engineering GEO ENG 4276 : Environmental Aspects Of Mining GEO ENG 5331 : Subsurface Hydrology GEO ENG 5443 : Subsurface Exploration GEO ENG 5575 : Aggregates And Quarrying GEO ENG 6407 : Inca Civilization Geotechnical Engineering Practices GEO ENG 6782 : Surface Waves (MASW) and Ground Penetrating Radar (GPR) GEOLOGY 1120 : Evolution Of The Earth GEOLOGY 2611 : Physical Mineralogy And Petrology GEOLOGY 4411 : Hydrogeology GEOLOGY 4431 : Methods Of Karst Hydrogeology GEOLOGY 4511 : Petroleum Geology GEOLOGY 4611 : Depositional Systems GEOLOGY 4841 : Geological Field Studies GEOPHYS 2211 : Geophysical Imaging MIN ENG 4742 : Environmental Aspects Of Mining

In Workflow

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

Approval Path

1. 05/14/14 8:23 am
reflori: Approved for RGEOENG Chair
2. 05/14/14 8:35 am
kleb6b: Approved for CCC Secretary
3. 06/13/14 10:13 am
sraeper: Approved for Engineering DSCC Chair
4. 07/29/14 8:52 am
kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:23 pm
kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:48 pm
tschuman: Approved for

Requested
Effective Change
Date

Spring 2015 ~~Fall 2014~~

Campus Curricula
Committee Chair

Department

Geosciences and Geological and Petroleum
Engineering

Discipline

Geological Engineering (GEO ENG)

Course Number

1150

Title

Introduction to Physical Geology

Abbreviated
Course Title

Intro Physical Geol

Catalog
Description

A study of Earth materials, surface features, internal structures and processes.
Particular attention is paid to Earth resources, geological hazards, engineering and
environmental problems.

Prerequisites

Entrance requirements.

Field Trip
Statement

Credit Hours

LEC: 2

LAB: 1

IND: 0

RSD: 0

Total: 3

Required for
Majors

Yes ~~No~~

Elective for
Majors

No

Justification for
change:

Correction: This course is required for Geo Eng majors.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

GEOLOGY 1111 - Introduction to Physical Geology

Course Reviewer
Comments

Key: 1173

Course Inventory Change Request

Date Submitted: 04/26/14 2:35 pm

Viewing: **GEO ENG 2605 : Statics and Mechanics of Geologic Materials**

File: 840.1

Last edit: 06/13/14 10:20 am

Changes proposed by: gertschl

Requested	Spring 2015 Fall 2014
Effective Change Date	
Department	Geosciences and Geological and Petroleum Engineering
Discipline	Geological Engineering (GEO ENG)
Course Number	2605
Title	Statics and Mechanics of Geologic Materials
Abbreviated Course Title	Geo Matls Statics & Mech

Catalog Description	Fundamental statics of rigid bodies and mechanics of deformable bodies for entering graduate students, focusing on behavior of rock and soil in engineering situations. Not for students intending to register as professional engineers. Designed This course was designed for military officers registered in either the GE DL MS Degree Program or the GE FLW MS Degree Program.				
Prerequisites	Permission of instructor.				
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: Tidying up the catalog description.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer

In Workflow

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

Approval Path

1. 05/14/14 8:24 am
reflori: Approved for RGEOENG Chair
2. 05/14/14 8:36 am
kleb6b: Approved for CCC Secretary
3. 06/13/14 10:20 am
srapper: Approved for Engineering DSCC Chair
4. 07/29/14 8:54 am
kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:24 pm
kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:48 pm
tschuman: Approved for

Comments

Key: 840

Campus Curricula
Committee Chair

Course Inventory Change Request

Date Submitted: 04/26/14 2:39 pm

Viewing: **GEO ENG 3175 : Geomorphology And Terrain Analysis**

File: 392.1

Last edit: 08/22/14 12:24 pm

Changes proposed by: gertschl

Programs referencing this course	EV ENG-BS: Environmental Engineering BS GE ENG-BS: Geological Engineering BS GE ENG-MI: Geological Engineering Minor GEOL-MI: Geology Minor GL&GPH-BS: Geology and Geophysics BS				
Other Courses referencing this course	In The Prerequisites: GEO ENG 5146 : Applications Of Geographic Information Systems GEO ENG 5172 : Soil Science In Engineering Practice GEO ENG 5235 : Environmental Geological Engineering GEO ENG 5237 : Geological Aspects Of Hazardous Waste Management GEO ENG 5441 : Engineering Geology And Geotechnics GEO ENG 5471 : Rock Engineering GEO ENG 5575 : Aggregates And Quarrying GEO ENG 5642 : Military Geology				
Requested Effective Change Date	Spring 2015-Fall 2014				
Department	Geosciences and Geological and Petroleum Engineering				
Discipline	Geological Engineering (GEO ENG)				
Course Number	3175				
Title	Geomorphology And Terrain Analysis				
Abbreviated Course Title	Geomorphol & Terr Analy				
Catalog Description	Study of geomorphic processes, landform development , development and surficial surfical materials. Stresses Course content stresses the evaluation of the engineering properties of terrain factors for site selection and design of engineered structures.				
Prerequisites	Geo Eng 1150.				
Field Trip Statement					
Credit Hours	LEC: 2	LAB: 1	IND: 0	RSD: 0	Total: 3
Required for Majors	Yes-No				

In Workflow

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

Approval Path

1. 05/14/14 8:24 am
reflori: Approved for RGEOENG Chair
2. 05/14/14 8:36 am
kleb6b: Approved for CCC Secretary
3. 06/13/14 10:21 am
sraaper: Approved for Engineering DSCC Chair
4. 07/29/14 8:54 am
kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:24 pm
kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:49 pm
tschuman: Approved for

Elective for Majors	No	Campus Curricula Committee Chair
Justification for change:	Correction: This course is required for Geo Eng majors.	
Semesters previously offered as an experimental course		
Co-Listed Courses:		
Course Reviewer Comments		

Key: 392

Course Inventory Change Request

Date Submitted: 04/26/14 3:13 pm

Viewing: **GEO ENG 4115 : Statistical ~~Geostatistical~~ Methods in Geology Engineering and Engineering Geology**

File: 567.1

Last edit: 08/22/14 12:25 pm

Changes proposed by: gertschl

Programs referencing this course
[AP MATH-BS: Applied Mathematics BS](#)
[GE ENG-BS: Geological Engineering BS](#)
[GEOL-MI: Geology Minor](#)
[GL&GPH-BS: Geology and Geophysics BS](#)
[PE ENG-BS: Petroleum Engineering BS](#)

Other Courses referencing this course
 In The Prerequisites:
[GEO ENG 5556 : Renewable Energy Systems](#)

Requested Effective Change Date
Spring 2015-Fall 2014

Department
 Geosciences and Geological and Petroleum Engineering

Discipline
 Geological Engineering (GEO ENG)

Course Number
 4115

Title
Statistical ~~Geostatistical~~ Methods in ~~Geology Engineering~~ and ~~Engineering Geology~~

Abbreviated Course Title
Geo&Eng Stat Methods
~~Geostatistics Methods Eng~~
~~Geol~~

Catalog Description
Statistical ~~Study of statistical~~ methods in engineering and geological applications including site investigations and environmental data analyses. Introduction to spatial correlation analysis and geostatistical techniques such as kriging for resource evaluation and estimation.

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

In Workflow

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

Approval Path

1. 05/14/14 8:25 am
reflori: Approved for RGEOENG Chair
2. 05/14/14 8:36 am
kleb6b: Approved for CCC Secretary
3. 06/13/14 10:22 am
sraeper: Approved for Engineering DSCC Chair
4. 07/29/14 8:55 am
kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:26 pm
kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:50 pm
tschuman: Approved for

Justification for
change:

Correction: This course is required for Geo Eng majors.

Campus Curricula
Committee Chair

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

Key: 567

Course Inventory Change Request

Date Submitted: 04/26/14 3:11 pm

Viewing: **GEO ENG 5315 : Advanced Statistical ~~Geostatistical~~ Methods in Geology Engineering and Engineering Geology**

File: 1928.1

Last edit: 08/22/14 12:51 pm

Changes proposed by: gertschl

Requested	Spring 2015-Fall 2014
Effective Change Date	
Department	Geosciences and Geological and Petroleum Engineering
Discipline	Geological Engineering (GEO ENG)
Course Number	5315
Title	Advanced Statistical Geostatistical Methods in Geology Engineering and Engineering Geology
Abbreviated Course Title	Adv Geo&Eng Statistics-Adv Geostatics Methods Eng-Geo

Catalog Description	Application of statistical methods to study geology, with emphasis on reliable interpretation of geologic materials and practices, with emphasis on reliable interpretation of laboratory and and-field data for water, hydrocarbon, petroleum and mineral exploration and mineral exploration, research, engineering, environmental engineering, and engineering as well as other aspects of of geological engineering.				
Prerequisites	Geo Eng 4115 or Stat 3111 or Stat 3113 or Stat 3115 or Stat 3117.				
Field Trip Statement					
Credit Hours	LEC: 3-0	LAB: 0	IND: 0	RSD: 0	Total: 3
Required for Majors	No				
Elective for Majors	Yes-No				

Justification for change:	Improve student preparation for the course content.
Semesters previously offered as an experimental course	

In Workflow

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

Approval Path

1. 05/14/14 8:26 am
reflori: Approved for RGEOENG Chair
2. 05/14/14 8:37 am
kleb6b: Approved for CCC Secretary
3. 06/13/14 10:24 am
sraaper: Approved for Engineering DSCC Chair
4. 07/29/14 8:56 am
kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:27 pm
kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:51 pm
tschuman: Approved for

Co-Listed
Courses:

Campus Curricula
Committee Chair

Course Reviewer
Comments

Key: 1928

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 08/27/14 10:11 am

Viewing: **PHILOS 2001.TBD :**

File: 4111

Last edit: 08/27/14 10:12 am

Changes proposed by: kleb6b

Requested Spring 2015

Effective Change
Date

Department Arts, Languages, & Philosophy

Discipline Philosophy (PHILOS)

Course Number 2001

Topic ID TBD

Experimental
Title

Experimental
Abbreviated
Course Title

Instructors Jonathan Finch

Experimental Catalog Description A critical study of the important philosophies of the period from Augustine to the Renaissance. Although there is no formal prerequisite, it is recommended that students have taken at least one other philosophy course.

Prerequisites None.

Field Trip
Statement

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

Justification for new course: This class is part of a five part series of classes in the history of philosophy to be offered in on-line collaboration with UMSL. This series of classes has been approved by both the department chairs of MST and UMSL and the relevant faculty and an RFP funding proposal was submitted and accepted to help develop this collaborative effort. These shared or collaborative classes are offered to reduce the need to offer the classes independently on either campus.

Semester(s) previously taught In the summer of 2010 the class was offered as combination class of Ancient and Medieval philosophy for four hours of credit. This larger combination class is now slated to be broken into two separate classes, Ancient Philosophy and Medieval Philosophy.

Co-Listed
Courses:

In Workflow

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

Course Reviewer **kleb6b (08/27/14 10:12 am)**: Title: Medieval Philosophy
Comments

Key: 4111

Course Inventory Change Request

New Course Proposal

Date Submitted: 06/17/14 9:46 am

Viewing: **POL SCI 3210 : Constitutional Law: Government Powers and Civil Liberties**

File: 4093

Last edit: 06/17/14 3:11 pm

Changes proposed by: lgragg

Requested Fall 2015

Effective Change
Date

Department History and Political Science

Discipline Political Science (POL SCI)

Course Number 3210

Title Constitutional Law: Government Powers and Civil Liberties

Abbreviated Constitutional Law
Course Title

Catalog Description This course will examine constitutional powers of American governmental institutions and leading Supreme Court decisions dealing with civil liberties including speech, religion, equal protection and the rights of the accused. The course will include study of current political issues and problems relating to these foundational civil liberties.

Prerequisites Pol Sci 1200, History 1200, 1300, or 1310.

Field Trip
Statement

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

Required for
Majors No

Elective for
Majors Yes

Justification for
new course: To broaden the offerings of in American political systems.

Semesters
previously
offered as an
experimental
course Spring 2013 and Spring 2014

Co-Listed
Courses:

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. Ishelton
11. Peoplesoft

Approval Path

1. 06/17/14 9:47 am
lgragg: Approved for RHISTORY Chair
2. 06/17/14 3:11 pm
kleb6b: Approved for CCC Secretary
3. 06/17/14 5:12 pm
ivliyeva: Approved for Arts & Humanities DSCC Chair
4. 07/29/14 9:00 am
kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:27 pm
kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:52 pm
tschuman:

Course Reviewer
Comments

Key: 4093

Approved for
Campus Curricula
Committee Chair

Course Inventory Change Request

Date Submitted: 05/21/14 2:56 pm

Viewing: **TCH COM 6450 ~~5450~~: Advanced International Technical Communication**

File: 986.1

Last edit: 06/13/14 11:16 am

Changes proposed by: kswenson

Programs referencing this course	<u>TCH COM-MS: Technical Communication MS</u>				
Requested Effective Change Date	Spring 2015-Fall 2014				
Department	English and Technical Communication				
Discipline	Technical Communication (TCH COM)				
Course Number	6450-5450				
Title	Advanced International Technical Communication				
Abbreviated Course Title	Adv International Tech Com				
Catalog Description	Advanced study of international technical communication. Includes topics such as graphics, icons, symbols; user interface design; intercultural communication. Requires field work at student's expense. Students may not earn credit for both TCH COM 4450 and TCH COM 6450. 5450 .				
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	No				
Justification for change:	This needs to change to 6000-level as one of the 9 required hrs at 6000-level for the MS degree.				
Semesters previously offered as an experimental course					

In Workflow

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

Approval Path

1. 05/21/14 3:04 pm
kswenson:
Approved for
REGLISH Chair
2. 05/23/14 7:47 am
kleb6b: Approved
for CCC Secretary
3. 05/23/14 7:49 am
ivliyeva:
Approved for Arts
& Humanities
DSCC Chair
4. 07/29/14 9:02 am
kleb6b: Approved
for Pending CCC
Agenda post
5. 08/22/14 12:17 pm
kleb6b: Approved
for CCC Meeting
Agenda
6. 08/22/14 12:24 pm
tschuman:

Co-Listed
Courses:

Approved for
Campus Curricula
Committee Chair

Course Reviewer
Comments

Key: 986

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 06/19/14 1:07 pm

Viewing: **BIO SCI 3001.TBD :**

File: 4096

Last edit: 07/30/14 7:35 am

Changes proposed by: mmormile

Requested Spring 2015

Effective Change

Date

Department Biological Sciences

Discipline Biological Sciences (BIO SCI)

Course Number 3001

Topic ID TBD

Title

In Workflow

1. **RBIOLSCI Chair**

2. **CCC Secretary**

3. **Sciences DSCC
Chair**

4. **Pending CCC
Agenda post**

5. CCC Meeting
Agenda

6. Campus Curricula
Committee Chair

7. Registrar

Approval Path

1. 06/19/14 1:12 pm
aronstam:

Approved for
RBIOLSCI Chair

2. 06/19/14 3:50 pm
kleb6b: Approved
for CCC Secretary

3. 07/30/14 7:35 am
tauritzd:
Approved for
Sciences DSCC
Chair

Abbreviated
Course Title

Experimental Introduction to Astrobiology
Course Title

Instructors Mormile, Melanie

Catalog
Description

Experimental
Course
Description

An overview of the origins of life on early earth and the possibility of life on extraterrestrial bodies will be examined in this course through lectures and journal articles. The techniques that astrobiologists use to investigate the possibility of life beyond earth will be explored. Assessment will be based on exam performance and participation in class.

Prerequisites

Bio Sci 2213 or Bio Sci 3313

Field Trip
Statement

Credit Hours	LEC: 3.0	LAB: 0	IND: 0	RSD: 0
Total: 3.0				

Justification for
new course:

This is an upper level undergraduate course that is interdisciplinary in nature.

Semester(s)
previously taught
Spring 2013

Co-Listed
Courses:

Course Reviewer

Comments

Key: 4096

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 06/19/14 1:07 pm

Viewing: **BIO SCI 3001.TBD : Introduction to Astrobiology**

File: 4096

Last edit: 08/22/14 12:28 pm

Changes proposed by: mmormile

Requested Spring 2015

Effective Change
Date

Department Biological Sciences

Discipline Biological Sciences (BIO SCI)

Course Number 3001

Topic ID TBD

Experimental Introduction to Astrobiology
Title

Experimental Intro to Astrobiology

Abbreviated
Course Title

Instructors Mormile, Melanie

Experimental Catalog Description An overview of the origins of life on early earth and the possibility of life on extraterrestrial bodies will be examined in this course through lectures and journal articles. The techniques that astrobiologists use to investigate the possibility of life beyond earth will be explored. Assessment will be based on exam performance and participation in class.

Prerequisites Bio Sci 2213 or Bio Sci 3313.

Field Trip
Statement

Credit Hours LEC: 3.0 LAB: 0 IND: 0 RSD: 0 Total: 3.0

Justification for new course: This is an upper level undergraduate course that is interdisciplinary in nature.

Semester(s) previously taught Spring 2013

Co-Listed
Courses:

Course Reviewer
Comments

In Workflow

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

Approval Path

1. 06/19/14 1:12 pm
aronstam:
Approved for
RBIO LSCI Chair
2. 06/19/14 3:50 pm
kleb6b: Approved
for CCC Secretary
3. 07/30/14 7:35 am
tauritzd:
Approved for
Sciences DSCC
Chair
4. 07/30/14 7:43 am
kleb6b: Approved
for Pending CCC
Agenda post
5. 08/22/14 12:28
pm
kleb6b: Approved
for CCC Meeting
Agenda
6. 08/22/14 12:46
pm
tschuman:
Approved for
Campus Curricula
Committee Chair

Key: 4096

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 07/11/14 9:16 am

Viewing: **ELEC ENG 5001.TBD : Applied Nonlinear Control**

File: 4100

Last edit: 07/11/14 10:29 am

Changes proposed by: martins

Requested Spring 2015

Effective Change
Date

Department Electrical and Computer Engineering

Discipline Electrical Engineering (ELEC ENG)

Course Number 5001

Topic ID TBD

Experimental Applied Nonlinear Control
Title

Experimental
Abbreviated
Course Title

Instructors Dr. J. Sarangapani

Experimental Review of State Variable Models, Nonlinear Model and Phenomena, Lyapunov
Catalog Stability, Phase Plane Analysis, Feedback Linearization, Sliding Mode and
Description Backstepping Control, and Control Applications.

Prerequisites Elec Eng 3320 or graduate student standing.

Field Trip
Statement

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

Justification for to expand our graduate control course offerings
new course:

Semester(s)
previously taught

Co-Listed
Courses:

Course Reviewer
Comments

In Workflow

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

Approval Path

1. 07/11/14 9:18 am
kte: Approved for RELECENG Chair
2. 07/11/14 10:29 am
kleb6b: Approved for CCC Secretary
3. 07/30/14 6:44 pm
sraprer: Approved for Engineering DSCC Chair
4. 08/01/14 8:11 am
kleb6b: Approved for Pending CCC Agenda post
5. 08/22/14 12:28 pm
kleb6b: Approved for CCC Meeting Agenda
6. 08/22/14 12:48 pm
tschuman: Approved for Campus Curricula Committee Chair

Key: 4100