**Minutes of the Campus Curricula Committee Meeting**
**October 3, 2017**
**8:30am, 106 Parker Hall**
(For Faculty Senate Meeting of October 19, 2017)

**Attendees:** Steve Raper, Barry Flachsbart, Katie Shannon, Paul Worsey, Tom Schuman, Geariod MacSithigh, Kristy Giacomelli and Brittany Parnell

The following curriculum forms were discussed and approved:

**Course Change Forms:**

| | |
|---|---|
| File: 1680.5 | CER ENG 4220: Mechanical Properties Of Ceramics |
| File: 174.2 | CHEM ENG 4320: Corrosion And Its Prevention |
| File: 2375.3 | COMP ENG 5450: Digital Image Processing |
| File: 180.4 | COMP ENG 5460: Machine Vision |
| File: 4097.2 | COMP SCI 5402: Introduction to Data Mining |
| File: 1530.1 | ELEC ENG 5120: Communication Circuits |
| File: 958.3 | ELEC ENG 5400: Digital Signal Processing II |
| File: 273.1 | ELEC ENG 5420: Communications Systems II |
| File: 1237.1 | ELEC ENG 5430: Wireless Networks |
| File: 202.1 | HISTORY 3762: American Foreign Policy Since 1945 |
| File: 925.5 | IS&T 4641: Digital Commerce and the Internet of Things |
| File: 4364.4 | IS&T 5131: Foundations of Computer Architecture |
| File: 4352.4 | IS&T 5423: Foundations of Data Management |
| File: 961.3 | IS&T 6641: Advanced Digital Commerce and the Internet of Things |
| File: 431.1 | MIN ENG 4412: Aggregate Materials Characterization, Sizing and Dimension Stone |
| File: 805.1 | SYS ENG 6213: Deep Learning and Advanced Neural Networks |

**Experimental Course Forms:**

| | |
|---|---|
| File: 4442 | CHEM ENG 5001.003: Introduction to Pharmaceutical Engineering |
| File: 4475 | CHEM ENG 6001.001: Advanced Pharmaceutical Engineering |
| File: 4473 | ENGLISH 3001.005: Language in Society |
| File: 4477 | ENGLISH 3001.006: Sustainable Foods in Latin American Literature |
| File: 4472 | GEO ENG 6001.001: Advanced Engineering Geology & Geotechnics |
| File: 4447 | MATH 6001.002: Finite Difference and Spectral Methods for Partial Differential Equations |
| File: 4439 | PET ENG 4001.003: Safety Systems Management in Drilling |
| File: 4438 | PSYCH 3001.002: Positive Psychology |

**The following forms were tabled:**

File: 942.1       ARCH ENG 4800: Principles of HVAC I
File: 2069.5      ARCH ENG 4820: Building Lighting Systems
File: 4219.5      ARCH ENG 4850: Building Electrical Systems
File: 4440        CHEM ENG 4001.001: Introduction to Phase Equilibrium
File: 249         PROPOSED: Master of Science in Explosives Technology


The meeting adjourned at 9:10am.

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

# Course Inventory Change Request

Date Submitted: 08/29/17 8:04 am

Viewing: **CER ENG 4220 : Mechanical Properties Of Ceramics**

File: 1680.5

Last approved: 06/26/17 3:14 am

Last edit: 08/31/17 12:39 pm

Changes proposed by: smiller

Programs
referencing this
course

CR ENG-BS: Ceramic Engineering BS

| Requested Effective Change Date | **Spring 2018** ~~Fall 2017~~ |

Department
  Materials Science & Engineering

Discipline
  Ceramic Engineering (CER ENG)

Course Number    4220

Title

Approval Path

1. 08/29/17 8:24 am
   Greg Hilmas
   (ghilmas):
   Approved for
   RMATSENG Chair
2. 08/29/17 10:01 am
   Brittany Parnell

(ershenb):
Approved for CCC
Secretary

3. 09/08/17 2:47 pm
sraper: Approved
for Engineering
DSCC Chair

4. 09/19/17 11:27
am
Brittany Parnell
(ershenb):
Approved for
Pending CCC
Agenda post

5. 10/03/17 11:05
am
Brittany Parnell
(ershenb):
Approved for CCC
Meeting Agenda

6. 10/03/17 12:43
pm
sraper: Approved
for Campus
Curricula
Committee Chair

## History

1. Jun 26, 2017 by
smiller (1680.1)

Mechanical Properties Of Ceramics

Mech Prop Of Ceramics

Abbreviated
Course Title

Catalog
Description

This course will treat the theory and testing practice related to design based on the mechanical properties of ceramics. ~~The course also includes laboratory experiments for the characterization of the mechanical properties of ceramics.~~

Prerequisites

A grade of "C" or better in Civ Eng 2210.

Field Trip
Statement

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

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

Justification for change:

Deleted the one hour lab component to combine with two other hours to create a required ICME class

Semesters previously offered as an experimental course

**Deleted second sentence in course description which indicated labs.**

Co-Listed
Courses:

Course Reviewer
Comments

# Course Inventory Change Request

Date Submitted: 09/20/17 3:46 pm

Viewing: **CHEM ENG 4320** ~~5315~~ : Corrosion And Its Prevention

File: 174.2

Last approved: 05/08/17 3:15 am

Last edit: 10/03/17 12:44 pm

Changes proposed by: ershenb

| | |
|---|---|
| Requested Effective Change Date | Fall 2017 |
| Department | Chemical and Biochemical Engineering |
| Discipline | Chemical Engineering (CHEM ENG) |
| Course Number | **4320** ~~5315~~ |
| Title | |

Approval Path

1. 10/03/17 11:07 am
   Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
2. 10/03/17 12:44 pm
   sraper: Rollback to CCC Meeting Agenda for Campus Curricula Committee Chair

3. 10/03/17 1:01 pm Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
4. 10/03/17 2:20 pm sraper: Approved for Campus Curricula Committee Chair

History

1. May 8, 2017 by lahne (174.1)

Corrosion And Its Prevention

| Abbreviated Course Title | Corrosion & Its Prevent |
|---|---|

Catalog Description

A study of the theories of corrosion and its application to corrosion and its prevention.

Prerequisites

A grade of "C" or better in either Chem Eng **2110** ~~3120~~ or Cer Eng 3230.

Field Trip Statement

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

Justification for
change:
  removed colist for Courseleaf technical issues

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:
  MET ENG 4230 - Corrosion And Its Prevention

Course Reviewer
Comments

**sraper (10/03/17 12:44 pm):** Rollback: change effective date to SP 18

# Course Inventory Change Request

Date Submitted: 08/28/17 8:26 am

Viewing: **COMP ENG 5450 : Digital Image Processing**

File: 2375.3

Last approved: 09/28/15 3:32 am

Last edit: 09/19/17 11:33 am

Changes proposed by: martins

Programs
referencing this
course
  CP ENG-BS: Computer Engineering BS

Other Courses
referencing this
course
  In The Catalog Description:
  ELEC ENG 5450 : Digital Image Processing

Requested             **Spring 2018** ~~Summer 2016~~
Effective Change
Date

Department
  Electrical and Computer Engineering

Discipline
  Computer Engineering (COMP ENG)

Approval Path

1. 08/28/17 1:02 pm
   Daryl Beetner
   (daryl): Approved
   for RELECENG
   Chair
2. 08/28/17 2:05 pm
   Brittany Parnell
   (ershenb):

Course Number      5450

Title

History

1. Apr 28, 2014 by
   lahne (2375.1)
2. Sep 28, 2015 by
   martins (2375.2)

Digital Image Processing

| Abbreviated Course Title | Digital Image Processing |
|---|---|

Catalog Description

Fundamentals of human perception, sampling and quantization, image transforms, enhancement, restoration, channel and source coding.

Prerequisites

~~At least one of the following:~~Elec Eng **3410.** ~~3400, Elec Eng 3410, Elec Eng 3420, or prior exposure to Fourier Transforms and consent of the instructor.~~

Field Trip Statement

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

| Required for Majors | No |
|---|---|

| Elective for Majors | Yes |
|---|---|

Justification for change:

The previous rerequisite courses are no longer taught in the department.

Semesters previously offered as an experimental course

Co-Listed

Courses:

ELEC ENG 5450 - Digital Image Processing

Course Reviewer

Comments

**ershenb (08/28/17 2:05 pm):** moved co-listed course to "Justifications" section per the EC process in the workflow.

**sraper (08/31/17 12:50 pm):** Revised justification as former prereq courses are no longer taught.

**sraper (08/31/17 12:54 pm):** added period at end of prereq.

# Course Inventory Change Request

Date Submitted: 08/28/17 8:30 am

Viewing: **COMP ENG 5460 : Machine Vision**

File: 180.4

Last approved: 09/21/15 3:56 am

Last edit: 09/19/17 11:34 am

Changes proposed by: martins

Programs referencing this course

    CP ENG-BS: Computer Engineering BS

Other Courses referencing this course

    In The Catalog Description:

    ELEC ENG 5460 : Machine Vision

| Requested Effective Change Date | Spring **2018** ~~2016~~ |
|---|---|
| Department | Electrical and Computer Engineering |
| Discipline | Computer Engineering (COMP ENG) |
| Course Number | 5460 |
| Title | |

## Approval Path

1. 08/28/17 1:02 pm Daryl Beetner (daryl): Approved for RELECENG Chair
2. 08/28/17 2:10 pm Brittany Parnell (ershenb):

Approved for CCC Secretary

3. 09/08/17 2:48 pm
   sraper: Approved for Engineering DSCC Chair

4. 09/19/17 11:28 am
   Brittany Parnell (ershenb):
   Approved for Pending CCC Agenda post

5. 10/03/17 11:14 am
   Brittany Parnell (ershenb):
   Approved for CCC Meeting Agenda

6. 10/03/17 12:45 pm
   sraper: Approved for Campus Curricula Committee Chair

## History

1. Apr 28, 2014 by lahne (180.1)
2. Sep 21, 2015 by martins (180.3)

Machine Vision

| Abbreviated Course Title | Machine Vision |
|---|---|

## Catalog Description

Image information, image filtering, template matching, histogram transformations, edge detection, boundary detection, region growing and pattern recognition. Complementary laboratory exercises are required.

## Prerequisites

~~At least one of the following:~~Elec Eng **3410.** ~~3400, Elec Eng 3410, Elec Eng 3420, or prior exposure to Fourier Transforms and consent of the instructor.~~

## Field Trip Statement

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

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

## Justification for change:

The previous rerequisite courses are no longer taught in the department.

Semesters previously offered as an experimental course

Co-Listed
Courses:

ELEC ENG 5460 - Machine Vision

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Course Reviewer
Comments

**ershenb (08/28/17 2:10 pm):** moved co-listed course to "Justifications" section per the EC process in the workflow.

**sraper (08/31/17 12:53 pm):** added period at end or prereq.

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# Course Inventory Change Request

Date Submitted: 09/18/17 10:32 am

Viewing: **COMP SCI 5402 : Introduction to Data Mining ~~& Machine Learning~~**

File: 4097.2

Last approved: 11/03/14 3:53 am

Last edit: 09/18/17 12:32 pm

Changes proposed by: tauritzd

Catalog Pages
referencing this
course

   Information Science and Technology

Programs
referencing this
course

   AP MATH-BS: Applied Mathematics BS

Other Courses
referencing this
course

  In The Prerequisites:

   COMP SCI 6304 : Cloud Computing and Big Data Management

   COMP SCI 6406 : Machine Learning in Computer Vision

**Spring 2018** ~~01/13/2015~~

Approval Path

1. 09/18/17 11:40 am George Markowsky (markowskyg): Approved for RCOMPSCI Chair

Requested
Effective Change
Date

Department
　Computer Science

Discipline
　Computer Science (COMP SCI)

Course Number　　　5402

Title

2. 09/18/17 12:33 pm
Brittany Parnell (ershenb): Approved for CCC Secretary
3. 09/19/17 2:23 pm sraper: Approved for Engineering DSCC Chair
4. 09/19/17 3:11 pm Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 10/03/17 11:15 am Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 10/03/17 12:45 pm sraper: Approved for Campus Curricula Committee Chair

## History

1. Nov 3, 2014 by tauritzd

**Introduction to** Data Mining ~~& Machine Learning~~

| | |
|---|---|
| Abbreviated Course Title | **Intro to** Data Mining |

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Catalog Description

**The key objectives of this course are two-fold: (1) to teach the fundamental concepts of data mining and (2) to provide extensive hands-on experience in applying the concepts to real-world applications. The core topics to be covered in this course include classification, clustering, association analysis, data preprocessing, and outlier/novelty detection.** ~~Classical and modern data mining and machine learning algorithms; data preprocessing/warehousing, mining association rules, classification/prediction methods, clustering techniques, Bayesian networks; unsupervised/supervised/reinforcement learning, learning decision trees, artificial neural networks, support vector machines, and ensemble learning.~~

Prerequisites

A **grade of** "C" or better in **all of** ~~both~~ Comp Sci **2300, Comp Sci 2500,** ~~2300~~ and one **of** ~~of~~ Stat ~~3111, Stat~~ 3113, Stat 3115, Stat **3117 or Stat 5643.** ~~3117.~~

Field Trip Statement

**None**

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

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

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Justification for change:

The machine learning component of this course has been spun off as a separate course (COMP SCI 5001
– Introduction to Machine Learning) for which an EC form has previously been approved, returning
this course to its original form focusing purely on data mining. The topics of data mining and machine
learning have both become so important and the bodies of knowledge associated with them so large, that
separate courses are warranted. This meets both industry & student demand.

Printing of this course in the SP18 schedule of classes will be suppressed until after Faculty Senate has approved this course in order for it to be non-affecting and qualify to be effective SP18.

Semesters previously offered as an experimental course
  FS2012, FS2013

Co-Listed Courses:

Course Reviewer Comments

# Course Inventory Change Request

Date Submitted: 08/17/17 10:59 am

Viewing: **ELEC ENG 5120 : Communication Circuits**

File: 1530.1

Last edit: 08/31/17 8:43 am

Changes proposed by: martins

| | |
|---|---|
| Requested Effective Change Date | **Spring 2018** ~~Fall 2014~~ |
| Department | Electrical and Computer Engineering |
| Discipline | Electrical Engineering (ELEC ENG) |
| Course Number | 5120 |
| Title | |

## Approval Path

1. 08/17/17 8:53 pm Daryl Beetner (daryl): Approved for RELECENG Chair
2. 08/22/17 8:56 pm Brittany Parnell (ershenb):

3. 08/31/17 8:43 am
   sraper: Approved for Engineering DSCC Chair
4. 09/19/17 11:28 am
   Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 10/03/17 11:16 am
   Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 10/03/17 12:46 pm
   sraper: Approved for Campus Curricula Committee Chair

Communication Circuits

Abbreviated Course Title     Communication Circuits

Catalog Description

Analysis and design of circuits used in communication systems. Topics include RF semiconductor devices, low-noise amplifiers, mixers, modulators, crystal oscillators,

AGC circuits, highpower RF amplifiers, phase-locked loops, impedence matching, and frequency-selective networks and transformers.

Prerequisites

Elec Eng **3120.** ~~3120, preceded or accompanied by Elec Eng 3420.~~

Field Trip
Statement

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

Required for Majors      No

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

Justification for change:

The former prerequisites of "preceded or accompanied by EE 3420", is incorrect because those classes are no longer taught.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

**ershenb (08/22/17 8:56 pm):** updated effective date to Spring 2018

**sraper (08/23/17 9:56 am):** Added period at end of prereq.

**sraper (08/31/17 8:43 am):** checked elective for majors. Reworded justification at suggestion of DSCC committee members.

# Course Inventory Change Request

Date Submitted: 08/17/17 11:10 am

Viewing: **ELEC ENG 5400 : Digital Signal Processing II**

File: 958.3

Last approved: 09/21/15 3:56 am

Last edit: 08/31/17 8:44 am

Changes proposed by: martins

Other Courses referencing this course

In The Catalog Description:

ELEC ENG 6400 : Advanced Digital Signal Processing

In The Prerequisites:

ELEC ENG 6400 : Advanced Digital Signal Processing

| | |
|---|---|
| Requested Effective Change Date | Spring **2018** ~~2016~~ |
| Department | Electrical and Computer Engineering |
| Discipline | Electrical Engineering (ELEC ENG) |
| Course Number | 5400 |
| Title | |

Approval Path

1. 08/17/17 8:53 pm Daryl Beetner (daryl): Approved for RELECENG Chair
2. 08/22/17 8:57 pm Brittany Parnell (ershenb):

Approved for CCC Secretary

3. 08/31/17 8:44 am
sraper: Approved for Engineering DSCC Chair

4. 09/19/17 11:28 am
Brittany Parnell (ershenb): Approved for Pending CCC Agenda post

5. 10/03/17 11:16 am
Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

6. 10/03/17 12:46 pm
sraper: Approved for Campus Curricula Committee Chair

## History

1. Sep 21, 2015 by martins (958.1)

Digital Signal Processing II

Abbreviated Course Title    Digital Signl Process II

Catalog
Description
  Spectral representations, sampling, quantization, z-transforms, digital filters and
  discrete transforms including the Fast Fourier transform.

Prerequisites
  Elec Eng **3410.** ~~3410 or Elec Eng 3420.~~

Field Trip
Statement


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

Required for        No
Majors

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

Justification for
change:
  The former prerequisites of "preceded or accompanied by EE 3420", is incorrect
  because those classes are no longer taught.

Semesters
previously
offered as an
experimental
course


Co-Listed
Courses:


Course Reviewer
Comments

**sraper (08/23/17 10:01 am):** added period at end of prereq.

**sraper (08/31/17 8:44 am):** Checked elective for majors. Reworded justification per the suggestion of DSCC committee members.

# Course Inventory Change Request

Date Submitted: 08/17/17 11:12 am

Viewing: **ELEC ENG 5420 : Communications Systems II**

File: 273.1

Last edit: 08/31/17 8:45 am

Changes proposed by: martins

Other Courses
referencing this
course

 In The Prerequisites:

ELEC ENG 6400 : Advanced Digital Signal Processing
ELEC ENG 6410 : Information Theory And Coding
ELEC ENG 6420 : Wireless Communications
ELEC ENG 6490 : Advanced Topics In Communications
ELEC ENG 6530 : Power System Reliability

| | |
|---|---|
| Requested Effective Change Date | **Spring 2018** ~~Fall 2014~~ |
| Department | Electrical and Computer Engineering |
| Discipline | Electrical Engineering (ELEC ENG) |
| Course Number | 5420 |
| Title | |

Approval Path

1. 08/17/17 8:54 pm Daryl Beetner (daryl): Approved for RELECENG Chair
2. 08/22/17 8:58 pm Brittany Parnell (ershenb):

Approved for CCC Secretary

3. 08/31/17 8:45 am
sraper: Approved for Engineering DSCC Chair

4. 09/19/17 11:28 am
Brittany Parnell (ershenb):
Approved for Pending CCC Agenda post

5. 10/03/17 11:17 am
Brittany Parnell (ershenb):
Approved for CCC Meeting Agenda

6. 10/03/17 12:46 pm
sraper: Approved for Campus Curricula Committee Chair

Communications Systems II

| Abbreviated Course Title | Communications Syst II |
| --- | --- |

Catalog Description

Random signals and their characterization; noise performance of amplitude, angle and pulse modulation systems; digital data transmission; use of coding for error control.

Prerequisites
  Elec Eng **3430.** ~~3420.~~

Field Trip
Statement

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

| Required for Majors | No |
|---|---|

| Elective for Majors | **Yes** ~~No~~ |
|---|---|

Justification for change:
  The former prerequisites of "preceded or accompanied by EE 3420", is incorrect because those classes are no longer taught.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

**sraper (08/23/17 10:04 am):** added period at end of prereq

**sraper (08/31/17 8:45 am):** Checked elective for majors. Reworded justification at the direction of DSCC committee members.

# Course Inventory Change Request

Date Submitted: 08/17/17 11:16 am

Viewing: **ELEC ENG 5430 : Wireless Networks**

File: 1237.1

Last edit: 08/31/17 8:45 am

Changes proposed by: martins

Other Courses referencing this course

In The Catalog Description:

[COMP ENG 5430 : Wireless Networks](#)

[SYS ENG 5323 : Wireless Networks](#)

Requested Effective Change Date

**Spring 2018** ~~Fall 2014~~

Department

Electrical and Computer Engineering

Discipline

Electrical Engineering (ELEC ENG)

Course Number        5430

Title

## Approval Path

1. 08/17/17 8:54 pm Daryl Beetner (daryl): Approved for RELECENG Chair
2. 08/22/17 9:03 pm Brittany Parnell (ershenb):

Approved for CCC Secretary

3. 08/31/17 8:45 am
sraper: Approved for Engineering DSCC Chair

4. 09/19/17 11:28 am
Brittany Parnell (ershenb): Approved for Pending CCC Agenda post

5. 10/03/17 11:18 am
Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

6. 10/03/17 12:46 pm
sraper: Approved for Campus Curricula Committee Chair

Wireless Networks

Abbreviated Course Title: Wireless Networks

Catalog Description

Introduction to wireless communications and networking. Topics include transmission fundamentals, wireless channel, coding techniques and error control,

satellite and cellular networks, cordless systems, mobile IP and management, multiple access techniques and wireless protocols, wireless LAN, IEEE 802.11, and adhoc and sensor networks.

Prerequisites

~~Hardware competency,~~ Elec Eng **3430** ~~3420~~ or Comp Eng **3150.** ~~3150 and graduate standing.~~

Field Trip Statement

| Credit Hours Total: 3 | LEC: 2 | LAB: 1 | IND: 0 | RSD: 0 |
|---|---|---|---|---|

| Required for Majors | No |
|---|---|

| Elective for Majors | **Yes** ~~No~~ |
|---|---|

Justification for change:

The former prerequisites of "preceded or accompanied by EE 3420", is incorrect because those classes are no longer taught.

Semesters previously offered as an experimental course

Co-Listed Courses:

COMP ENG 5430 - Wireless Networks

SYS ENG 5323 - Wireless Networks

Course Reviewer Comments

**sraper (08/23/17 10:07 am):** added period at end of prereqs.

**sraper (08/31/17 8:45 am):** Checked elective for majors. Reworded justification per the direction of DSCC committee members.

# Course Inventory Change Request

Date Submitted: 08/30/17 2:09 pm

Viewing: **HISTORY 3762 : American Foreign Policy** ~~Diplomatic History~~ **Since 1945** ~~World War II~~

File: 202.1

Last edit: 10/03/17 11:20 am

Changes proposed by: dewittp

Programs referencing this course

ECON-BA: Economics BA

MIL SC-MI: Adaptive Leadership Minor

Other Courses referencing this course

In The Catalog Description:

POL SCI 3762 : American Diplomatic History Since World War II

Requested Effective Change Date

**Spring 2018** ~~Fall 2014~~

Department

History and Political Science

Discipline

Approval Path

1. 08/30/17 2:16 pm sfogg: Approved for RHISTORY Chair
2. 08/30/17 2:25 pm Brittany Parnell (ershenb):

History (HISTORY)

Course Number    3762

Title

American **Foreign Policy** ~~Diplomatic History~~ Since **1945** ~~World War II~~

Abbreviated Course Title     **Am Foreign Policy** ~~Post-WWII~~ ~~Diplomacy~~

Catalog
Description

**Addresses** ~~American Diplomatic History Since World War II will address~~ the major issues in American foreign policy from WWII to the **present with primary focus on problems during the Cold War and the post-Cold War era, including the emergence of the national security state.** ~~present. Its primary focus is on the Cold War and the post-Cold War problems the U.S.has faced.~~

Prerequisites
  History 1310 or Pol Sci 1200.

Field Trip
Statement


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

Required for Majors          No

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

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Justification for change:
  The proposed name change better delineates the beginning of the Cold War from the previous era and the instructor's background in political science instead of history.

Semesters previously offered as an experimental course

Co-Listed
Courses:

POL SCI 3762 - American Diplomatic History Since World War II

Course Reviewer
Comments

**sfogg (05/20/16 1:10 pm):** Rollback: Please update the course description. You will also have to submit a request for Pol Sci 3762 since it is cross-listed.

**ershenb (10/03/17 11:20 am):** checked "yes" Elective for Majors

# Course Inventory Change Request

Date Submitted: 08/16/17 8:15 am

Viewing: **IS&T 4641 : Digital Commerce** ~~Electronic~~ **and the Internet of Things** ~~Mobile Commerce~~

File: 925.5

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

Last edit: 08/22/17 9:05 pm

Changes proposed by: barryf

Programs referencing this course

BUS&MS-BS: Business and Mgmt Systems BS

CYBERMG-MI: Cybersecurity Management and Information Assurance Minor

E&S COM-MI: Elect & Social Commerce Minor

ENTPRNS-MI: Entrepreneurship Minor

IST-BS: Information Science and Tch BS

MOBLB&T-MI: Mobile Bus & Tech Minor

Requested Effective Change Date    **Spring 2018** ~~Fall 2014~~

Department
   Business and Information Technology

Discipline

Approval Path

1. 08/16/17 4:53 pm siauk: Approved for RINFSCTE Chair
2. 08/22/17 9:05 pm Brittany Parnell (ershenb):

Info Science & Technology (IS&T)

Course Number     4641

Title

**Digital Commerce** ~~Electronic~~ and **the Internet of Things** ~~Mobile~~
~~Commerce~~

| | |
|---|---|
| Abbreviated Course Title | **Digital Commerce & IoT** ~~Electronic and Mobile Commerce~~ |

Catalog
Description

  Introduction to fundamental concepts of management and application to IT and support of commerce. Examines the use of IT in business processes and **everyday interactions such as IoT.** ~~the management issues of integrating IT into organization processes to gain a competitive advantage.~~ **Explores management issues of integrating IT into processes to run businesses better.**

Prerequisites

  IS&T 1750 and at least 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:

  Update course to include advances in the area, especially IoT

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer

Comments

**ershenb (08/22/17 9:05 pm):** updated the effective date to Spring 2018

# Course Inventory Change Request

Date Submitted: 08/30/17 6:12 pm

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

File: 4364.4

Last approved: 03/20/17 3:14 am

Last edit: 08/30/17 6:12 pm

Changes proposed by: barryf

| | |
|---|---|
| Requested Effective Change Date | **Spring 2018** ~~Fall 2017~~ |
| Department | Business and Information Technology |
| Discipline | Info Science & Technology (IS&T) |
| Course Number | 5131 |
| Title | |

## In Workflow

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

## Approval Path

1. 08/31/17 9:46 pm siauk: Approved for RINFSCTE Chair
2. 09/01/17 8:08 am Brittany Parnell (ershenb):

Approved for CCC Secretary

3. 09/07/17 11:53 am
   Barry Flachsbart (barryf):
   Approved for Social Sciences DSCC Chair

4. 09/19/17 11:29 am
   Brittany Parnell (ershenb):
   Approved for Pending CCC Agenda post

5. 10/03/17 11:22 am
   Brittany Parnell (ershenb):
   Approved for CCC Meeting Agenda

6. 10/03/17 12:47 pm
   sraper: Approved for Campus Curricula Committee Chair

## History

1. Mar 20, 2017 by Barry Flachsbart (barryf)

Foundations of Computer Architecture

Abbreviated          Fndations Computer Arch
Course Title

Catalog
Description

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

Prerequisites

**Graduate Standing, strong programming knowledge.** ~~IS&T 1552 and graduate standing.~~

Field Trip
Statement

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

Required for        No
Majors

Elective for        Yes
Majors

Justification for
change:

Clarify prerequisites. For graduate students, the topics are valuable knowledge, but
the numbers of undergraduate courses are not.

Semesters
previously
offered as an
experimental
course

None

Co-Listed
Courses:

Course Reviewer
Comments

# Course Inventory Change Request

Date Submitted: 08/30/17 6:12 pm

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

File: 4352.4

Last approved: 03/14/17 3:15 am

Last edit: 08/30/17 6:12 pm

Changes proposed by: barryf

| | |
|---|---|
| Requested Effective Change Date | Fall **2018** ~~2017~~ |
| Department | Business and Information Technology |
| Discipline | Info Science & Technology (IS&T) |
| Course Number | 5423 |
| Title | |

## Approval Path

1. 08/31/17 9:46 pm siauk: Approved for RINFSCTE Chair
2. 09/01/17 8:11 am Brittany Parnell (ershenb):

Approved for CCC Secretary

3. 09/07/17 11:53 am
   Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair

4. 09/19/17 11:29 am
   Brittany Parnell (ershenb): Approved for Pending CCC Agenda post

5. 10/03/17 11:24 am
   Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

6. 10/03/17 12:47 pm
   sraper: Approved for Campus Curricula Committee Chair

## History

1. Mar 14, 2017 by Barry Flachsbart (barryf)

Foundations of Data Management

| | |
|---|---|
| Abbreviated Course Title | Foundations Data Mgmt |

Catalog Description

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

Prerequisites

**Graduate Standing, knowledge of MIS, programming ability.** ~~IS&T 1750, IS&T 1552, and graduate standing.~~

Field Trip Statement

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

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

Justification for change:

Clarify the prerequisites. Course is only for graduate students, so undergraduate prerequisites are inappropriate.

Semesters previously offered as an experimental course

None

Co-Listed Courses:

Course Reviewer

Comments

# Course Inventory Change Request

Date Submitted: 08/16/17 8:15 am

Viewing: **IS&T 6641 : Advanced Digital Commerce ~~Electronic~~ and the Internet of Things ~~Mobile Commerce~~**

File: 961.3

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

Last edit: 08/22/17 9:07 pm

Changes proposed by: barryf

Catalog Pages referencing this course

Information Science and Technology

Requested Effective Change Date: **Spring 2018** ~~Fall 2014~~

Department
Business and Information Technology

Discipline
Info Science & Technology (IS&T)

Course Number        6641

Title

Approval Path

1. 08/16/17 4:53 pm siauk: Approved for RINFSCTE Chair
2. 08/22/17 9:07 pm Brittany Parnell (ershenb):

Approved for CCC Secretary

3. 08/23/17 7:54 am
Barry Flachsbart (barryf):
Approved for Social Sciences DSCC Chair

4. 09/19/17 11:29 am
Brittany Parnell (ershenb):
Approved for Pending CCC Agenda post

5. 10/03/17 11:25 am
Brittany Parnell (ershenb):
Approved for CCC Meeting Agenda

6. 10/03/17 12:47 pm
sraper: Approved for Campus Curricula Committee Chair

## History

1. Jun 30, 2014 by lahne (961.1)

Advanced **Digital Commerce** ~~Electronic~~ and **the Internet of Things** ~~Mobile Commerce~~

Abbreviated          Adv **Dig Commerc** ~~Elect~~ & **IoT**
Course Title         ~~Mobile Commerce~~

Catalog
Description
   Fundamental concepts of management and application to IT and support of commerce. Examines ~~the~~ use of IT in business processes and **everyday interactions such as IoT.** ~~the management issues of integrating IT into organization processes to gain a competitive advantage.~~ **Explores management issues of integrating IT into processes to run businesses better.** Includes a major end-of-semester project.

Prerequisites
   Knowledge of management information systems.

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:
   Update course to include advances in the area, especially IoT

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

   **ershenb (08/22/17 9:07 pm):** updated effective date to Spring 2018.

# Course Inventory Change Request

Date Submitted: 06/07/17 12:53 pm

Viewing: **MIN ENG 4412 : Aggregate Materials** Characterization, **Sizing and Dimension Stone** ~~Characterization~~

File: 431.1

Last edit: 10/03/17 11:31 am

Changes proposed by: ggalecki

Programs referencing this course

MI ENG-BS: Mining Engineering BS

MNRL PR-MI: Mineral Process Eng Minor

Requested Effective Change Date: **Spring 2018** ~~Fall 2014~~

Department
  Mining & Nuclear Engineering

Discipline
  Mining Engineering (MIN ENG)

Course Number    4412

Title

Approval Path

1. 06/09/17 9:40 am
   Braden lusk (blusk): Approved for RMINNUCL Chair
2. 06/12/17 11:09 am
   Brittany Parnell

Aggregate Materials **Characterization,** Sizing and **Dimension Stone** ~~Characterization~~

| Abbreviated Course Title | Aggregate Materials |

Catalog Description

Geological formation of aggregates; aggregate properties and their measurements; aggregates for specific end-user applications; specifications and standards; processing (crushing, screening, classification, and washing); plant design and flow sheet analysis; **dimension stone processing;** quality control and assurance.

Prerequisites

  Min Eng **2412.** ~~3412.~~

Field Trip

Statement

  **- to enhance the classroom instructions**

  **- to expose the students to industrial practices of safe production**

| Credit Hours | LEC: 2 | LAB: 1 | IND: 0 | RSD: 0 |
|---|---|---|---|---|
|   Total: 3 | | | | |

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

---

Justification for change:

  Industry needs/approval and National Stone, Sand and Gravel Association (NSSGA) acceptance for the course expansion

Semesters previously offered as an experimental course

Co-Listed Courses:

---

Course Reviewer Comments

**ershenb (10/03/17 11:31 am):** Checked "yes" elective for majors and updated prerequisite to Min Eng 2412.

# Course Inventory Change Request

Date Submitted: 07/28/17 9:53 pm

Viewing: **SYS ENG 6213 : Deep Learning and Advanced Neural Networks**

File: 805.1

Last edit: 08/31/17 1:09 pm

Changes proposed by: dagli

Catalog Pages
referencing this
course
   Systems Engineering

| | |
|---|---|
| Requested Effective Change Date | **Spring 2018** ~~Fall 2014~~ |
| Department | Engineering Management and Systems Engineering |
| Discipline | Systems Engineering (SYS ENG) |
| Course Number | 6213 |
| Title | |

Approval Path

1. 07/29/17 8:35 am
   Suzanna Long
   (longsuz):
   Approved for
   RENGMNGT Chair
2. 07/31/17 8:42 am
   Brittany Parnell

3. 08/31/17 1:09 pm
   sraper: Approved for Engineering DSCC Chair
4. 09/19/17 11:30 am
   Brittany Parnell (ershenb): Approved for Pending CCC Agenda post
5. 10/03/17 11:32 am
   Brittany Parnell (ershenb): Approved for CCC Meeting Agenda
6. 10/03/17 12:48 pm
   sraper: Approved for Campus Curricula Committee Chair

(ershenb): Approved for CCC Secretary

**Deep Learning and** Advanced Neural Networks

| | |
|---|---|
| Abbreviated Course Title | **Deep Learn Neural Nets** |
| Catalog Description | ~~Advanced Neural Networks~~ |

**Use of deep learning and advance neural networks in the design of cyber physical complex adaptive systems. Machine learning basics, deep feed forward networks, regularization for deep learning, optimization for training deep models, convolutional networks, recurrent and recursive nets, practical , vision and natural language processing applications.** ~~Advanced artificial neural network architectures, namely; Radial-Basis Function Networks, Support Vector Machines, Committee Machines, Principal Components Analysis, Information-Theoretic Models, Stochastic Machines, Neurodynamic Programming, Temporal Processing are the topics covered.~~

Prerequisites

**Graduate Standing.** ~~Sys Eng 5212 or equivalent neural network course.~~

Field Trip

Statement

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

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

Justification for change:

The content and the title of the course is updated to reflect new developments in neural networks, machine learning algorithms and architectures.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer
Comments

**sraper (08/23/17 10:10 am):** removed "graduate standing" prereq.

**sraper (08/31/17 1:09 pm):** Added graduate standing to prereq. Note that this was discussed in Comp Sci and they agreed it is sufficiently different (more systems application based) so as not to overlap with their 5001 deep learning course.

# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 08/10/17 1:39 pm

Viewing: **CHEM ENG 5001.003 : Introduction to Pharmaceutical Engineering**

File: 4442

Last edit: 09/13/17 12:23 pm

Changes proposed by: baruas

| Requested Effective Change Date | Spring 2018 |
|---|---|

**Department**
  Chemical and Biochemical Engineering

**Discipline**
  Chemical Engineering (CHEM ENG)

| Course Number | 5001 |
|---|---|

| Topic ID | 003 |
|---|---|

Experimental
Title

**Approval Path**

1. 08/11/17 1:17 am
   Muthanna Al-Dahhan
   (aldahhanm):
   Approved for
   RCHEMENG Chair
2. 08/14/17 11:19 am
   Brittany Parnell
   (ershenb):
   Approved for CCC
   Secretary

3. 08/30/17 10:38 am
   sraper: Rollback to CCC Secretary for Engineering DSCC Chair
4. 08/30/17 12:20 pm
   Brittany Parnell (ershenb): Rollback to RCHEMENG Chair for CCC Secretary
5. 08/31/17 2:18 pm
   Muthanna Al-Dahhan (aldahhanm): Approved for RCHEMENG Chair
6. 08/31/17 4:36 pm
   Brittany Parnell (ershenb): Approved for CCC Secretary
7. 09/08/17 2:49 pm
   sraper: Approved for Engineering DSCC Chair
8. 09/19/17 11:27 am
   Brittany Parnell (ershenb): Approved for

Pending CCC Agenda post

9. 10/03/17 11:42 am
   Brittany Parnell (ershenb): Approved for CCC Meeting Agenda

10. 10/03/17 12:45 pm
    sraper: Approved for Campus Curricula Committee Chair

11. 10/03/17 1:36 pm
    Marita Tibbetts (tibbettsmg): Approved for CAT entry

Introduction to Pharmaceutical Engineering

Experimental Abbreviated Course Title     Pharma Eng

Instructors     Sutapa Barua

Experimental Catalog Description

The objective of studying pharmaceutical engineering is to understand the engineering principles involved in the processing of drugs and pharmaceuticals. With an understanding of basic principles of process engineering, students will be able to develop new pharmaceutical processes and further improve the existing processes.

Prerequisites

Chem 1320; Math 1215 or Math 1221; preceded or accompanied by Physics 1135.

Field Trip
Statement

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

Total: 3

Justification for
new course:

Industrial processing of drugs and pharmaceuticals has gained significant importance in recent years. Students from diverse engineering backgrounds such as Chemical Engineering, Materials, and Mechanical Engineering could contribute significantly learning unit operations in terms of the knowledge of drug discovery-to-shelf process. Such a course is missing in the existing course list. Introducing this new course would benefit a number of senior and graduate level students preparing themselves before joining a biopharmaceutical industry.

Semester(s)
previously taught

Co-Listed
Courses:

Course Reviewer
Comments

**sraper (08/23/17 9:59 am):** added period at end of prereqs

**sraper (08/30/17 10:38 am):** Rollback: shred this please as they will submit to separate EC forms. One at 4000 level and one at 5000 level for advanced.

**ershenb (08/30/17 12:20 pm):** Rollback: edit form to submit only as CHEM ENG 5001

**ershenb (08/31/17 4:35 pm):** updated course number to 5001, per the request of Sutapa Barua

Key: 4442

Preview Bridge

# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 08/30/17 9:32 am

Viewing: **CHEM ENG 6001.001 : Advanced Pharmaceutical Engineering**

File: 4475

Last edit: 10/03/17 11:47 am

Changes proposed by: baruas

| | |
|---|---|
| Requested Effective Change Date | Spring 2018 |
| Department | Chemical and Biochemical Engineering |
| Discipline | Chemical Engineering (CHEM ENG) |
| Course Number | 6001 |
| Topic ID | 001 |
| Experimental Title | |

## 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. 08/30/17 9:57 am Muthanna Al-Dahhan (aldahhanm): Approved for RCHEMENG Chair
2. 08/30/17 10:56 am Brittany Parnell (ershenb): Approved for CCC Secretary

3. 09/08/17 2:49 pm
   sraper: Approved
   for Engineering
   DSCC Chair
4. 09/19/17 11:27
   am
   Brittany Parnell
   (ershenb):
   Approved for
   Pending CCC
   Agenda post
5. 10/03/17 11:49
   am
   Brittany Parnell
   (ershenb):
   Approved for CCC
   Meeting Agenda
6. 10/03/17 12:45
   pm
   sraper: Approved
   for Campus
   Curricula
   Committee Chair
7. 10/03/17 1:38 pm
   Marita Tibbetts
   (tibbettsmg):
   Approved for CAT
   entry

Advanced Pharmaceutical Engineering
Experimental          Adv Pharm Eng
Abbreviated
Course Title

Instructors       Sutapa Barua

Experimental

Catalog

Description

The objective of studying pharmaceutical engineering is to apply the in-depth knowledge of engineering principles involved in the processing of drugs and pharmaceuticals. With an application of basic principles of process engineering, students will learn about the use of cutting edge materials and emerging capabilities in pharmaceutical manufacturing.

Prerequisites

Graduate standing.

Field Trip

Statement

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

Total: 3

Justification for

new course:

Industrial processing of drugs and pharmaceuticals has gained significant importance in recent years. Students from diverse engineering and science backgrounds will learn the principles of process engineering in drug development, drug delivery and therapeutic efficacy. This course will cover five modules on the fundamentals of pharmaceutical engineering, pharmacokinetics and drug delivery, gene technology, instrumental analysis, and modern drug delivery systems. Such a course with an integration of engineering and pharmaceutics is missing in the existing course list. Introducing this new course would benefit a number of graduate students preparing themselves before joining pharmaceutical industries.

Semester(s)

previously taught

Co-Listed

Courses:

Course Reviewer

Comments

**sraper (08/31/17 12:45 pm):** period placed at end of prereq.

**ershenb (10/03/17 11:47 am):** removed "level" from prerequisite.

# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 08/23/17 8:11 pm

Viewing: **ENGLISH 3001.005 : Language in Society**

File: 4473

Last edit: 10/03/17 11:53 am

Changes proposed by: kswenson

| | |
|---|---|
| Requested Effective Change Date | Spring 2018 |
| Department | English and Technical Communication |
| Discipline | English (ENGLISH) |
| Course Number | 3001 |
| Topic ID | 005 |
| Experimental Title | |

## Approval Path

1. 08/23/17 8:12 pm Kristine Swenson (kswenson): Approved for RENGLISH Chair
2. 08/24/17 4:03 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 08/25/17 9:11 am Petra Dewitt

Language in Society

| | |
|---|---|
| Experimental Abbreviated Course Title | Language in Society |
| Instructors | Sarah Hercula |

Experimental Catalog Description

This course takes a sociolinguistic approach to the investigation of language variation and use in society, including: intersections of language and identity, culture, gender, socioeconomic status, and other social factors; language ideologies; multilingualism; language standardization; and language and power.

Prerequisites

English 1120.

Field Trip Statement

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

Justification for new course:

There has been demand among English & TC majors for advanced work in linguistics.

This will serve especially English education majors.

Semester(s)

previously taught

N/A

Co-Listed

Courses:

Course Reviewer

Comments

**ershenb (10/03/17 11:53 am):** added a period after English 1120 in prerequisites.

# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 09/06/17 3:25 pm

Viewing: **ENGLISH 3001.006 : Sustainable Foods in Latin American Literature**

File: 4477

Last edit: 09/13/17 12:29 pm

Changes proposed by: kswenson

| | |
|---|---|
| Requested Effective Change Date | Spring 2018 |
| Department | English and Technical Communication |
| Discipline | English (ENGLISH) |
| Course Number | 3001 |
| Topic ID | 006 |
| Experimental Title | |

## Approval Path

1. 09/06/17 3:26 pm Kristine Swenson (kswenson): Approved for RENGLISH Chair
2. 09/06/17 3:43 pm Brittany Parnell (ershenb): Approved for CCC Secretary
3. 09/06/17 3:55 pm Petra Dewitt

Sustainable Foods in Latin American Literature

| | |
|---|---|
| Experimental Abbreviated Course Title | Foods in Latin America |
| Instructors | Dolan, Kathryn |

Experimental Catalog Description

The study of food in literature can help us to understand key cultural issues that can be translated into other aspects of our 21st century lives, like race, class, gender, globalization, and sustainability. This interdisciplinary class will specifically study global and regional cultures of Latin America in terms of literature--fiction, non-fiction, poetry.

Prerequisites

English 1120.

Field Trip Statement

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

Justification for
new course:
    This course will be part of the new LASTA minor.
Semester(s)
previously taught
    N/A
Co-Listed
Courses:
Course Reviewer
Comments

# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 08/17/17 12:40 pm

Viewing: **GEO ENG 6001.001 : Advanced Engineering Geology & Geotechnics**

File: 4472

Last edit: 10/03/17 12:13 pm

Changes proposed by: rogersda

| | |
|---|---|
| Requested Effective Change Date | Spring 2018 |
| Department | Geosciences and Geological and Petroleum Engineering |
| Discipline | Geological Engineering (GEO ENG) |
| Course Number | 6001 |
| Topic ID | 001 |
| Experimental Title | |

## In Workflow

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

## Approval Path

1. 08/27/17 9:31 am David Borrok (borrokd): Approved for RGEOSENG Chair
2. 08/28/17 10:27 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 09/08/17 2:48 pm sraper: Approved

for Engineering
DSCC Chair
4. 09/19/17 11:29
am
Brittany Parnell
(ershenb):
Approved for
Pending CCC
Agenda post

Advanced Engineering Geology & Geotechnics

Experimental         Adv Engr Geol & Geot
Abbreviated
Course Title

Instructors          J. David Rogers

Experimental
Catalog
Description

This course introduces students to the problem solving techniques often employed in problems associated with geoengineering, including geotechnical and geological issues, geohydrology, natural hazards, flood control, water resources, mining, and coastal engineering (including sea level rise).

Prerequisites

Geo Eng 5441.

Field Trip
Statement

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

Total: 3

Justification for
new course:

This course used to be on our books as GE 441, which was superseded by Geotechnical Construction Practice (now GE 6441) in 2002, which deals with

excavation and grading issues, geotechnical input for retention structures, and site exploration. The proposed course will be a follow on course to GE 5441 Engineering Geology & Geotechnics, a required senior level course, which is the most popular upper division course in the GE program, taught by Dr. Rogers and Mr. Clark. The propose course will explore the practical aspects of how geologic conditions impact he various sub-disciplines of civil and geotechnical engineering, geological engineering, rock mechanics, surface and subsurface hydrology, coastal engineering, and natural hazards (expansive soils, landslides and debris flows, earthquakes, tsunamis, floods, landslide dams, impacts on groundwater quality and quantity, and sea level rise).

Semester(s)

previously taught

  This course has not been taught since 2000.

Co-Listed

Courses:

Course Reviewer

Comments

  **ershenb (08/28/17 10:27 am):** Updated Course number to 6001 (All experimental courses not previously taught must end in 001).

  **sraper (08/31/17 12:57 pm):** Moved prereq into prereq slot. Deleted prereq statement in description.

  **ershenb (10/03/17 12:13 pm):** replaced "/" with a "&" in the abbreviated course title

# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 08/11/17 3:25 pm

Viewing: **MATH 6001.002 : Finite Difference and Spectral Methods for Partial Differential Equations**

File: 4447

Last edit: 09/13/17 1:07 pm

Changes proposed by: prunnion

| | |
|---|---|
| Requested Effective Change Date | Spring 2018 |

Department
 Mathematics & Statistics

Discipline
 Mathematics (MATH)

| | |
|---|---|
| Course Number | 6001 |
| Topic ID | 002 |

Experimental
Title

Approval Path

1. 08/11/17 3:27 pm
   sclark: Approved
   for RMATHEMA
   Chair
2. 08/14/17 1:25 pm
   Brittany Parnell
   (ershenb):
   Approved for CCC
   Secretary
3. 08/16/17 10:21
   am
   Katie Shannon

Finite Difference and Spectral Methods for Partial Differential Equations

Experimental Abbreviated Course Title       Finite Diff/Spec Methods

Instructors       Yanzhi Zhang

Experimental Catalog Description

Continuation of Math 5604. Derivation, implementation, and theoretical analysis of finite difference and spectral methods for approximating solutions of partial differential equations.

Prerequisites

Math 5604.

Field Trip Statement

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

Justification for new course:

The topics covered in this course reflect the current research directions of the department.

Semester(s)
previously taught

None.

Co-Listed
Courses:

Course Reviewer
Comments

# Course Inventory Change Request

## Experimental Course

Viewing: **PET ENG 4001.003 : Safety Systems Management in Drilling**

File: 4439.4

Last approved: 10/03/17 1:45 pm

Last edit: 09/13/17 1:10 pm

| | |
|---|---|
| Requested Effective Change Date | Spring 2018 |
| Department | Geosciences and Geological and Petroleum Engineering |
| Discipline | Petroleum Engineering (PET ENG) |
| Course Number | 4001 |
| Topic ID | 003 |
| Experimental Title | |

Safety Systems Management in Drilling

| | |
|---|---|
| Experimental Abbreviated Course Title | Safety in Drilling |
| Instructors | Dr. Rickey Hendrix |

Experimental
Catalog
Description

A study of safety systems management and processes related to drilling in the
petroleum industry. Special emphasis on personnel safety for offshore. Topics
include helicopter egress, offshore safety induction, fatalities, safety metrics, PJSM,
JSA, TBRA, LOTO, lifting and rigging, behavioral based safety, hand injury, slips trips
and falls, and PPE.

Prerequisites

Pet Eng 4210.

Field Trip
Statement

N/A

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

Total: 3

Justification for
change:

Semester(s)
previously taught

N/A

Co-Listed
Courses:

Course Reviewer
Comments

# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 08/01/17 4:01 pm

Viewing: **PSYCH 3001.002 : Positive Psychology**

File: 4438

Last edit: 09/13/17 1:16 pm

Changes proposed by: murray

| | |
|---|---|
| Requested Effective Change Date | Fall 2018 |
| Department | Psychological Science |
| Discipline | Psychology (PSYCH) |
| Course Number | 3001 |
| Topic ID | 002 |
| Experimental Title | |

## Approval Path

1. 08/01/17 4:28 pm murray: Approved for RPSYCHOL Chair
2. 08/02/17 8:02 am Brittany Parnell (ershenb): Approved for CCC Secretary
3. 08/02/17 10:37 am Barry Flachsbart (barryf): Approved for

Positive Psychology

| | |
|---|---|
| Experimental Abbreviated Course Title | Positive Psychology |
| Instructors | Susan Murray |

Experimental Catalog Description

Positive psychology studies how humans prosper. Its goal is to identify and enhance the human strengths and virtues that make life worth living and allow individuals to thrive. Topics include mindfulness, well-being, flow, spirituality, relationships, and happiness. We will explore the research in these areas and how they can be measured and improved.

Prerequisites

Psych 1101.

Field Trip Statement

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

Justification for new course:

Positive psychology is a growing field in psychology. Rather than focusing on illness, it strives to enhance the day-to-day lives of people. The class material has applications in clinical, education, and workplace settings.

Semester(s)

previously taught

  none

Co-Listed

Courses:

Course Reviewer

Comments