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: 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 9:10 am.

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*

**Effective Change Date**

**Department**

Materials Science & Engineering

**Discipline**

Ceramic Engineering (CER ENG)

**Course Number**

4220

**Title**


<table>
<thead>
<tr>
<th>In Workflow</th>
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<tbody>
<tr>
<td>1. RMATSENG Chair</td>
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<tr>
<td>2. CCC Secretary</td>
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<tr>
<td>3. Engineering DSCC Chair</td>
</tr>
<tr>
<td>4. Pending CCC Agenda post</td>
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<tr>
<td>5. CCC Meeting Agenda</td>
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<tr>
<td>6. Campus Curricula Committee Chair</td>
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<tr>
<td>7. FS Meeting Agenda</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Approval Path</th>
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</thead>
<tbody>
<tr>
<td>1. 08/29/17 8:24 am Greg Hilmas (ghilmas): Approved for RMATSENG Chair</td>
</tr>
<tr>
<td>2. 08/29/17 10:01 am Brittany Parnell</td>
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<table>
<thead>
<tr>
<th>Viewing: <strong>CER ENG 4220 : Mechanical Properties Of Ceramics</strong></th>
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<tr>
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<tr>
<td>Last edit: 08/31/17 12:39 pm</td>
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<tr>
<td>Changes proposed by: smiller</td>
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<tr>
<th>Programs referencing this course</th>
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<tr>
<td><strong>CR ENG-BS: Ceramic Engineering BS</strong></td>
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<tr>
<th>Requested Effective Change Date</th>
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<tr>
<td><em>Spring 2018 Fall-2017</em></td>
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<table>
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<tr>
<th>Department</th>
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<tr>
<td>Materials Science &amp; Engineering</td>
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<tr>
<th>Discipline</th>
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<tr>
<td>Ceramic Engineering (CER ENG)</td>
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<tr>
<th>Course Number</th>
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<td>4220</td>
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<table>
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<td>1. 08/29/17 8:24 am Greg Hilmas (ghilmas): Approved for RMATSENG Chair</td>
</tr>
<tr>
<td>2. 08/29/17 10:01 am Brittany Parnell</td>
</tr>
</tbody>
</table>
(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
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.

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.

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 Fall 2017
Effective Change Date

Department
Chemical and Biochemical Engineering

Discipline
Chemical Engineering (CHEM ENG)

Course Number 4320 5315
Title

In Workflow
1. CCC Meeting Agenda
2. Campus Curricula Committee Chair
3. FS Meeting Agenda
4. Faculty Senate Chair
5. Registrar
6. CAT entry
7. Peoplesoft

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
Corrosion And Its Prevention
Abbreviated Course Title
Corrosion & Its Prevention
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
LEC: 3    LAB: 0    IND: 0    RSD: 0
Total: 3
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 Effective Change Date
- **Spring 2018 Summer 2016**

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 Digital Image Processing

Approved for CCC Secretary
3. 09/08/17 2:48 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 11:12 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 (2375.1)
2. Sep 28, 2015 by martins (2375.2)
<table>
<thead>
<tr>
<th>Abbreviated Course Title</th>
<th>Digital Image Processing</th>
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</thead>
</table>

**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**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>LEC: 3</th>
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<th>IND: 0</th>
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<tr>
<td>Total: 3</td>
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</table>

Required for Majors: No
Elective for Majors: Yes

**Justification for change:**
The previous prerequisite 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  Spring 2018 2016

Effective Change Date

Department

Electrical and Computer Engineering

Discipline

Computer Engineering (COMP ENG)

Course Number  5460

Title

In Workflow

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

Approval Path

1. 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)
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 prerequisite courses are no longer taught in the department.

Semesters previously offered as an experimental course:
Co-Listed Courses:
ELEC ENG 5460 - Machine Vision

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.
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

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

Approval Path
1. 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

**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 Stat 3111, Stat 3113, Stat 3115, Stat 3117 or Stat 5643.

**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 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  
**Spring 2018 Fall 2014**

Effective Change Date

Department  
Electrical and Computer Engineering

Discipline  
Electrical Engineering (ELEC ENG)

Course Number  5120

Title

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

Approval Path

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

**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**

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**In Workflow**

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

**Approval Path**

1. 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 Digital Signal Process II
Course Title
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 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 10:01 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

<table>
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<td>In The Prerequisites:</td>
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<tr>
<td><strong>ELEC ENG 6400: Advanced Digital Signal Processing</strong></td>
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<tr>
<td><strong>ELEC ENG 6410: Information Theory And Coding</strong></td>
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<tr>
<td><strong>ELEC ENG 6420: Wireless Communications</strong></td>
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<td><strong>ELEC ENG 6490: Advanced Topics In Communications</strong></td>
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<tr>
<td><strong>ELEC ENG 6530: Power System Reliability</strong></td>
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Requested: **Spring 2018 Fall 2014**

Effective Change Date

Department

Electrical and Computer Engineering

Discipline

Electrical Engineering (ELEC ENG)

Course Number 5420

Title

In Workflow

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

Approval Path

1. 08/17/17 8:54 pm
   Daryl Beetner (daryl): Approved for RELECENG Chair
2. 08/22/17 8:58 pm
   Brittany Parnell (ershenb):
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<thead>
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<th>Date</th>
<th>Time</th>
<th>Author/Comment</th>
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<tr>
<td>08/31/17 8:45 am</td>
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<td>sraper: Approved</td>
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<tr>
<td>09/19/17 11:28 am</td>
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<td>Brittany Parnell</td>
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<tr>
<td>10/03/17 11:17 am</td>
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<td>Brittany Parnell</td>
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<tr>
<td>10/03/17 12:46 pm</td>
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<td>sraper: Approved</td>
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**Communications Systems II**

<table>
<thead>
<tr>
<th>Abbreviated Course Title</th>
<th>Catalog Description</th>
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<tbody>
<tr>
<td>Communications Syst II</td>
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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

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<tr>
<th>Credit Hours</th>
<th>LEC: 3</th>
<th>LAB: 0</th>
<th>IND: 0</th>
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<tr>
<td>Total: 3</td>
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</table>

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

Department
  - Electrical and Computer Engineering

Discipline
  - Electrical Engineering (ELEC ENG)

Course Number: 5430
Title

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

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 (ershenvb):
Wireless Networks
Abbreviated Wireless Networks
Course Title
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

<table>
<thead>
<tr>
<th>Credit Hours</th>
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<th>LAB: 1</th>
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<tbody>
<tr>
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<tr>
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<tr>
<td>Elective for</td>
<td>Yes No</td>
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<tr>
<td>Majors</td>
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<tr>
<td>Justification for change:</td>
<td>The former prerequisites of &quot;preceded or accompanied by EE 3420&quot;, is incorrect because those classes are no longer taught.</td>
<td></td>
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</tbody>
</table>

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: **Spring 2018 Fall 2014**

Effective Change Date

Department
  - History and Political Science

Discipline

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

Approval Path
1. 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 Am Foreign Policy Post-WWII

Course Title Diplomacy
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. 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

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: Spring 2018 Fall 2014
Effective Change Date

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. 08/16/17 4:53 pm siauk: Approved for RINFSCTE Chair
2. 08/22/17 9:05 pm Brittany Parnell (ershenb):
<table>
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<th>Info Science &amp; Technology (IS&amp;T)</th>
<th>Approved for CCC Secretary</th>
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<tbody>
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<td>Course Number 4641</td>
<td>3. 08/23/17 7:54 am</td>
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<tr>
<td>Title</td>
<td>Barry Flachsbart (barryf):</td>
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<tr>
<td></td>
<td>Approved for Social Sciences</td>
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<td>DSCC Chair</td>
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<td></td>
<td>4. 09/19/17 11:29 am</td>
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<td>Brittany Parnell (ershenb):</td>
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<td>Approved for Pending CCC</td>
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<td>Agenda post</td>
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<td>5. 10/03/17 11:21 am</td>
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<td>Brittany Parnell (ershenb):</td>
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<td>6. 10/03/17 12:47 pm</td>
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<td>sraper: Approved for Campus</td>
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**History**

1. May 2, 2014 by barryf (925.1)
2. Jun 30, 2014 by lahne (925.4)
Digital Commerce 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 \quad LAB: 0 \quad IND: 0 \quad 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

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):
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 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 Fall 2018 2017
Effective Change Date

Department
Business and Information Technology

Discipline
Info Science & Technology (IS&T)

Course Number 5423
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 8:11 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

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 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**

<table>
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<td>Department</td>
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<td>Info Science &amp; Technology (IS&amp;T)</td>
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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. 08/16/17 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 Commerce 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

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<tr>
<td>Majors</td>
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</table>

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

<table>
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<tr>
<td>MI ENG-BS: Mining Engineering BS</td>
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<td>MNRL PR-MI: Mineral Process Eng Minor</td>
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Requested Effective Change Date: Spring 2018 Fall 2014

Department: Mining & Nuclear Engineering

Discipline: Mining Engineering (MIN ENG)

Course Number: 4412

Title: Aggregate Materials Characterization, Sizing and Dimension Stone Characterization

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<td>3. Engineering DSCC Chair</td>
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<tr>
<td>1. 06/09/17 9:40 am Braden lusk (blusk): Approved for RMINNUCL Chair</td>
</tr>
<tr>
<td>2. 06/12/17 11:09 am Brittany Parnell</td>
</tr>
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</table>
Aggregate Materials **Characterization**, Sizing and **Dimension Stone Characterization**

Abbreviated Course Title: Aggregate Materials

Catalog Description:

---

(ershenb): Approved for CCC Secretary

3. 07/20/17 11:30 am
   sraper: Approved for Engineering DSCC Chair

4. 07/20/17 2:31 pm
   Brittany Parnell
   (ershenb): Approved for Pending CCC Agenda post

5. 10/03/17 11:31 am
   Brittany Parnell
   (ershenb): Approved for CCC Meeting Agenda

6. 10/03/17 12:48 pm
   sraper: Approved for Campus Curricula Committee Chair
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
ersheng (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: Spring 2018 Fall 2014
Effective Change Date

Department
   Engineering Management and Systems Engineering

Discipline
   Systems Engineering (SYS ENG)

Course Number 6213
Title

In Workflow
1. RENG MNGT 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. Ishellton
11. Peoplesoft

Approval Path
1. 07/29/17 8:35 am
   Suzanna Long (longsuz):
   Approved for RENG MNGT Chair
2. 07/31/17 8:42 am
   Brittany Parnell
Deep Learning and Advanced Neural Networks

**Abbreviated** Deep Learn Neural Nets

**Course Title** Advanced Neural Networks

**Catalog**

**Description**
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

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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: Spring 2018
Effective Change Date

Department
Chemical and Biochemical Engineering

Discipline
Chemical Engineering (CHEM ENG)

Course Number: 5001
Topic ID: 003

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. 08/11/17 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
Introduction to Pharmaceutical Engineering
Experimental Pharma Eng
Abbreviated
Course Title
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
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 Spring 2018
Effective Change Date

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 Spring 2018
Effective Change Date

Department English and Technical Communication

Discipline English (ENGLISH)

Course Number 3001
Topic ID 005

Experimental Title

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

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 Language in Society 
Abbreviated 
Course Title 
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:

Comments
ershenb (10/03/17 11:53 am): added a period after English 1120 in prerequisites.
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 Spring 2018
Efrective Change Date

Department
English and Technical Communication

Discipline
English (ENGLISH)

Course Number 3001
Topic ID 006

Experimental Title

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

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

<table>
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**Course Title**

**Instructors**

Dolan, Kathryn

**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**

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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

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**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 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
Advanced Engineering Geology & Geotechnics
Experimental 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 the 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:

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


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: Spring 2018
- Effective Change Date
- Department: Mathematics & Statistics
- Discipline: Mathematics (MATH)
- Course Number: 6001
- Topic ID: 002
- Experimental Title

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

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

Instructors

Yanzhi Zhang

Experimental

Catalog

Description


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

Key: 4447
Preview Bridge
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

History

1. Oct 3, 2017 by Rickey Hendrix (hendrixrl)
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

Key: 4439
Preview Bridge
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

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Effective Change Date

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In Workflow
1. RPSYCHOL Chair
2. CCC Secretary
3. Social Sciences DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. Registrar

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

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