



Campus Curricula Committee Meeting Agenda

March 1, 2017

3:00-4:30 p.m., 216 Parker Hall

(For Faculty Senate Meeting of March 23, 2017)

Review of submitted Course Change forms:

File#: 4350	BUS 5910: Privacy and Information Security Law
File#: 1368.1	BUS 6723: Artificial Intelligence, Robotics and Information System Management
File#: 519.5	CER ENG 2240: Applied Glass Forming
File#: 1451.4	CIV ENG 2601: Fundamentals Of Environmental Engineering And Science
File#: 6406	COMP SCI 6406: Machine Learning in Computer Vision
File#: 250.1	ENV ENG 3615: Water And Wastewater Engineering
File#: 447.1	ENV ENG 4609: Research in Environmental Engineering
File#: 4271.4	ERP 4220: Introduction to Enterprise Decision Dashboard Prototyping
File#: 563.6	ERP 5240: Enterprise Application Development and Software Security
File#: 1565.7	IS&T 1552: Implementing Information Systems: Data Perspective
File#: 2441.1	IS&T 3131: Computing Internals And Operating Systems
File#: 259.1	IS&T 3423: Database Management
File#: 4349	IS&T 4780: Human and Organizational Factors in Cybersecurity
File#: 4385	IS&T 6780: Adv Human and Organizations Factors in Cybersecurity
File#: 1974.1	MET ENG 1210: Chemistry of Materials
File#: 2121.1	MET ENG 2002: Cooperative Training
File#: 1903.6	MET ENG 3220: Introduction to Extractive Metallurgy
File#: 313.1	MET ENG 4230: Corrosion And Its Prevention
File#: 2291.1	MET ENG 5520: Electron Microscopy
File#: 4391	MET ENG 5525: Scanning Electron Microscopy Lab
File#: 2215.5	MET ENG 6530: Transmission Electron Microscopy
File#: 4392	MET ENG 6535: Transmission Electron Microscopy Lab

Review of submitted Degree Change forms:

File#: 247	PROPOSED : Cybersecurity Management and Information Assurance Minor
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Review of submitted Experimental Course forms:

File#: 4372	CER ENG 4001.001: Introduction to Optical Properties of Materials
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Course Inventory Change Request

New Course Proposal

Date Submitted: 02/02/17 9:47 am

Viewing: **BUS 5910 : Privacy and Information Security Law**

File: 4350

Last edit: 02/09/17 11:06 am

Changes proposed by: barryf

Programs
referencing this
course

[PROPOSED: Cybersecurity Management and Information Assurance Minor](#)

Requested	Fall 2017
Effective Change Date	
Department	Business and Information Technology
Discipline	Business (BUS)
Course Number	5910
Title	Privacy and Information Security Law
Abbreviated Course Title	Pvcy&Info Security Law

Catalog
Description

In Workflow

1. **RBUSADMN 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. Ishelton
11. Peoplesoft

Approval Path

1. 02/07/17 10:47 am
siauk: Approved for RBUSADMN Chair
2. 02/09/17 11:06 am
Lahne Black

(lahne): Approved
 for CCC Secretary
 3. 02/09/17 12:08
 pm
 Barry Flachsbart
 (barryf):
 Approved for
 Social Sciences
 DSCC Chair

Explores a variety of issues concerning the use, disclosure, and protection of information (personal, organizational, health, and financial) from a legal perspective. A focus on understanding, planning, protecting, and responding to data breaches and other information risk and threats. Case studies based on litigation are reviewed and analyzed.

Prerequisites

Understanding of Management Information Systems

Field Trip

Statement

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

Required for	No
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Majors

Elective for	No
--------------	----

Majors

Justification for

new course:

Required for the Cybersecurity Management and Information Assurance Minor.
 Required for the Cybersecurity Management and Information Assurance Graduate Certificate.

Semesters

previously

offered as an
experimental
course

F15 (6 enrolled students) and F16 (4 enrolled students) as IS&T 5001. We believe it is more appropriately designated as a BUS course.

Co-Listed
Courses:

Course Reviewer
Comments

Key: 4350

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 02/07/17 8:50 pm

Viewing: **BUS 6723 : Artificial Intelligence, Robotics, and ~~Corporate~~ Information Systems Management**

File: 1368.1

Last edit: 02/09/17 11:07 am

Changes proposed by: barryf

Catalog Pages
referencing this
course

[Business Administration](#)

[Information Science and Technology](#)

Programs
referencing this
course

[BUS AD-MBA: Business Administration MBA](#)

Requested	Fall 2017 2014
Effective Change Date	
Department	Business and Information Technology
Discipline	Business (BUS)
Course Number	6723
Title	Artificial Intelligence, Robotics, and Corporate Information Systems Management

In Workflow

1. **RBUSADMN 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. Ishelton
11. Peoplesoft

Approval Path

1. 02/07/17 10:11 pm
siauk: Approved for RBUSADMN Chair
2. 02/09/17 11:07 am
Lahne Black

Abbreviated Course Title **AI,Robotics, IS Mgmt**
~~Corporate Info Systems Mgt~~

(lahne): Approved for CCC Secretary
3. 02/09/17 12:09 pm
Barry Flachsbart (barryf):
Approved for Social Sciences
DSCC Chair

Catalog Description

The course, This course is designed ~~primarily for potential managerial end users as managers, entrepreneurs, or~~ business **executives, covers management of professionals in a technology-enabled business environment; it helps students learn how to use and manage** information to revitalize business processes, improve business decision-making, **embrace emerging and disruptive technologies, manage IT projects,** and gain competitive advantages. **The course also covers implications of AI, automation, machine learning, and robotics on business and society.** MBA core.

Prerequisites

Graduate standing.

Field Trip

Statement

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

Total: 3

Required for No

Majors

Elective for No

Majors

Justification for change:

Focus more on modern topics.

Semesters

previously

offered as an
experimental
course

Co-Listed

Courses:

Course Reviewer

Comments

Key: 1368

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 12/23/16 9:54 am

Viewing: **CER ENG 2240 ~~3240~~: Applied Glass Forming**

File: 519.5

Last approved: 10/21/16 2:24 pm

Last edit: 01/25/17 3:36 pm

Changes proposed by: smiller

Requested **Fall** ~~Spring~~ 2017

Effective Change

Date

Department Materials Science & Engineering

Discipline Ceramic Engineering (CER ENG)

Course Number **2240** ~~3240~~

Title

Applied Glass Forming

Abbreviated Applied Glass Forming

Course Title

Catalog

Description

In Workflow

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

Approval Path

1. 12/23/16 3:18 pm
mjokeefe:
Approved for
RMATSENG Chair
2. 01/12/17 5:53 pm
Kristy Giacomelli
(kristyg):
Approved for CCC
Secretary

3. 01/25/17 3:36 pm
 sraper: Approved
 for Engineering
 DSCC Chair

History

1. Oct 21, 2016 by
 smiller (519.1)

Examines the properties and behavior of molten glass along with basic forming techniques, including off-hand shaping, molding and casting.

Prerequisites

"C" or better grade in ~~either Cer Eng 2210. 2210 or Met Eng 1210.~~ Freshman standing or sophomore standing only.

Field Trip

Statement

Credit Hours	LEC: 1	LAB: 1	IND: 0	RSD: 0
Total: 2				

Required for Majors	No
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Elective for Majors	Yes
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Justification for change:

Course number change to more accurately reflect the level of the material presented in the course. Elimination of Met Eng 1210 as prerequisite due to deactivation of that course.

Semesters
 previously
 offered as an

experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

sraper (01/25/17 3:36 pm): changed effective date to Fall 2017

Key: 519

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 10/31/16 10:41 am

Viewing: **CIV ENG 2601 : Fundamentals Of Environmental Engineering And Science**

File: 1451.4

Last approved: 02/09/15 3:18 am

Last edit: 01/26/17 1:13 pm

Changes proposed by: mfitc

Programs
referencing this
course

[CV ENG-BS: Civil Engineering BS](#)

Other Courses
referencing this
course

In The Catalog Description:

[ENV ENG 2601 : Fundamentals of Environmental Engineering and Science](#)

In The Prerequisites:

[ARCH ENG 5665 : Indoor Air Pollution](#)

[BIO SCI 5313 : Pathogenic Microbiology](#)

[CIV ENG 3615 : Water And Wastewater Engineering](#)

[CIV ENG 5605 : Environmental Systems Modeling](#)

[CIV ENG 5650 : Public Health Engineering](#)

[CIV ENG 5665 : Indoor Air Pollution](#)

[CIV ENG 5670 : Solid Waste Management](#)

[CIV ENG 6608 : Environmental Engineering Analysis Laboratory](#)

[ENV ENG 3615 : Water And Wastewater Engineering](#)

[ENV ENG 5605 : Environmental Systems Modeling](#)

In Workflow

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

Approval Path

1. 01/18/17 11:41 am
Joel Burken
(burken):
Approved for
RCIVILEN Chair
2. 01/24/17 9:42 am
Kristy Giacomelli
(kristyg):

[ENV ENG 5650 : Public Health Engineering](#)
[ENV ENG 5665 : Indoor Air Pollution](#)
[ENV ENG 5670 : Solid Waste Management](#)
[ENV ENG 6608 : Environmental Engineering Analysis Laboratory](#)

Approved for CCC
 Secretary
 3. 02/09/17 3:19 pm
 sraper: Approved
 for Engineering
 DSCC Chair

Requested Fall ~~2015~~ **2017**
 Effective Change
 Date
 Department Civil, Architectural, and Environmental Engineering
 Discipline Civil Engineering (CIV ENG)
 Course Number 2601
 Title Fundamentals Of Environmental Engineering And Science
 Abbreviated Fund Of Env Engr & Sci
 Course Title

History

1. Feb 9, 2015 by
 mfitch (1451.1)

Catalog

Description

Course discusses fundamental chemical, physical, and biological principles in environmental engineering and science. Topics include environmental phenomena, aquatic pollution and control, solid waste management, air pollution and control, water and wastewater treatment systems, sustainability and life cycle analyses.

Prerequisites

One semester of chemistry (Chemistry 1310, 1301, or 1351) and one semester of calculus (Math 1214, 1212, or 1208)

Field Trip

Statement

Credit Hours LEC: 2 LAB: 1 IND: 0 RSD: 0

Total: 3

Required for Yes

Majors

Elective for No
Majors

Justification for
change:

Objections from students without any chemistry or calculus that the class assumes some background. Had tried to avoid prereqs to make it easy to take, but indeed some such knowledge is assumed.

Semesters
previously
offered as an
experimental
course

Co-Listed

Courses:

ENV ENG 2601 - Fundamentals of Environmental Engineering and Science

Course Reviewer

Comments

sraper (01/26/17 1:13 pm): Changed effective date to FS 17.

Course Inventory Change Request

New Course Proposal

Date Submitted: 01/05/17 11:28 am

Viewing: **COMP SCI 6406 : Machine Learning in Computer Vision**

File: 4376

Last edit: 01/05/17 11:28 am

Changes proposed by: tauritzd

Requested	Fall 2017
Effective Change Date	
Department	Computer Science
Discipline	Computer Science (COMP SCI)
Course Number	6406
Title	Machine Learning in Computer Vision
Abbreviated Course Title	ML in Computer Vision

Catalog Description

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. Ishelton
11. Peoplesoft

Approval Path

1. 01/05/17 11:34 am
Sajal Das (sdas):
Approved for RCOMPSCI Chair
2. 01/12/17 5:57 pm
Kristy Giacomelli (kristyg):
Approved for CCC Secretary

3. 01/25/17 3:37 pm
 scraper: Approved
 for Engineering
 DSCC Chair

Introduces machine learning fundamentals in current computer vision research. Topics include modeling complex data densities, regression and classification models, graphical models such as chains, trees, and grids, temporal models such as particle filtering and models for visual recognition such as deep learning. Students will implement select course topics.

Prerequisites

A "C" or better grade in either Comp Sci 5402 or Comp Sci 5404.

Field Trip

Statement

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

Required for	No
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Majors

Elective for	Yes
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Majors

Justification for

new course:

This course covers the state-of-the-art in machine learning applied to computer vision, an important topic in the CS department's computational intelligence and computer vision focus area. This course has been offered twice with solid enrollment for a 6000-level course and high teaching evaluations. It's being offered for a third time as an experimental course in SP2017 and we request that it be made permanent effective FS2017.

Semesters

previously

offered as an

experimental

course

SP2015, SP2016

Co-Listed

Courses:

Course Reviewer

Comments

Key: 4376

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 10/31/16 10:43 am

Viewing: **ENV ENG 3615 : Water And Wastewater Engineering**

File: 250.1

Last edit: 01/31/17 12:17 pm

Changes proposed by: mfitch

Programs
referencing this
course

[EV ENG-BS: Environmental Engineering BS](#)

Other Courses
referencing this
course

In The Catalog Description:

[CIV ENG 3615 : Water And Wastewater Engineering](#)

In The Prerequisites:

[CIV ENG 5619 : Environmental Engineering Design](#)

[ENV ENG 5619 : Environmental Engineering Design](#)

[ENV ENG 5635 : Phytoremediation and Natural Treatment Systems: Science and Design](#)

Requested Fall **2017** ~~2014~~

Effective Change

Date

Department Civil, Architectural, and Environmental Engineering

Discipline Environmental Engineering (ENV ENG)

Course Number 3615

In Workflow

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

Approval Path

1. 01/18/17 11:41 am
Joel Burken
(burken):
Approved for
RCIVILEN Chair
2. 01/24/17 9:42 am
Kristy Giacomelli
(kristyg):

Title

Water And Wastewater Engineering

Abbreviated

Water & Wastewater Engr

Course Title

Approved for CCC
Secretary3. 02/09/17 3:19 pm
sraper: Approved
for Engineering
DSCC Chair

Catalog

Description

A study of the engineering design principles dealing with the quantity, quality and treatment of water, and the quantity, characteristics, treatment and disposal of wastewater.

Prerequisites

Civ Eng **2601 and junior standing.** ~~2601.~~

Field Trip

Statement

Credit Hours

LEC: 3

LAB: 0

IND: 0

RSD: 0

Total: 3

Required for

Yes ~~No~~

Majors

Elective for

No

Majors

Justification for

change:

Sophomores with 2601 (current prerequisite) have done poorly, 3615 requires more intellectual maturity and thus JR standing.

Semesters

previously

offered as an

experimental

course

Co-Listed

Courses:

CIV ENG 3615 - Water And Wastewater Engineering

Course Reviewer

Comments

sraper (01/26/17 1:13 pm): Changed effective date to FS 17.

sraper (01/31/17 12:17 pm): changed to required course

Key: 250

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 10/31/16 10:42 am

Viewing: **ENV ENG 4609 : Research in Environmental Engineering**

File: 447.1

Last edit: 01/31/17 12:18 pm

Changes proposed by: mfitch

Programs
referencing this
course

[EV ENG-BS: Environmental Engineering BS](#)

Requested Fall **2017** ~~2014~~
Effective Change
Date

Department Civil, Architectural, and Environmental Engineering

Discipline Environmental Engineering (ENV ENG)

Course Number 4609

Title
Research in Environmental Engineering

Abbreviated Research in Env Eng
Course Title

Catalog
Description

In Workflow

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

Approval Path

1. 01/18/17 11:41 am
Joel Burken
(burken):
Approved for
RCIVILEN Chair
2. 01/24/17 9:42 am
Kristy Giacomelli
(kristyg):

Approved for CCC
Secretary
3. 02/09/17 3:19 pm
sraper: Approved
for Engineering
DSCC Chair

Students will investigate cutting edge research in the environmental engineering field including experimental studies, current environmental policy changes, and international environmental issues. Investigation to include live research seminars, reading current literature, and/or laboratory experimentation.

Prerequisites

Senior standing. ~~Env Eng or Civ Eng 3615.~~

Field Trip

Statement

Credit Hours	LEC: 1	LAB: 0	IND: 0	RSD: 0
Total: 1				
Required for Majors	No			
Elective for Majors	Yes No			

Justification for change:

Delete 3615 prereq and replace with SR standing: the class does not build on 3615 but requires intellectual maturity.

Semesters previously offered as an experimental course

Co-Listed

Courses:

Course Reviewer

Comments

sraper (01/26/17 1:14 pm): Changed effective date to FS 17.

sraper (01/31/17 12:18 pm): changed to elective for majors

Key: 447

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 02/02/17 9:43 am

Viewing: **ERP 4220 : Introduction to Enterprise Decision Dashboard Prototyping**

File: 4271.4

Last approved: 10/24/16 3:11 am

Last edit: 02/09/17 11:25 am

Changes proposed by: barryf

Requested **Summer 2017** ~~Fall 2016~~

Effective Change

Date

Department Business and Information Technology

Discipline Enterprise Resource Planning (ERP)

Course Number 4220

Title

Introduction to Enterprise Decision Dashboard Prototyping

Abbreviated Intro Dashboard Prototyp

Course Title

Catalog

Description

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. Ishelton

11. Peoplesoft

Approval Path

1. 02/07/17 10:46
am

siauk: Approved
for RINFSCTE
Chair

2. 02/09/17 11:13
am

Lahne Black
(lahne): Approved
for CCC Secretary

3. 02/09/17 12:09
pm
Barry Flachsbart
(barryf):
Approved for
Social Sciences
DSCC Chair

History

1. Oct 24, 2016 by
Barry Flachsbart
(barryf)

Study design and implementation principles for enterprise decision dashboards utilizing data warehouse and databases to support visual analytics. SAP HANA & BW, Business Objects Dashboards, IBM Watson Analytics, SAS Visual Analytics, or similar tools are used for practical assignments.

Prerequisites

A C or better grade in IS&T 1750. ~~(ERP 2110 or ERP 5110) and one of ERP 5410, ERP 6444, or IS&T 6444.~~

Field Trip

Statement

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

Required for	No
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Majors

Elective for	Yes
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Majors

Justification for

change:

Instructor believes this single prerequisite will suffice.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

Key: 4271

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 02/02/17 9:44 am

Viewing: **ERP 5240 : Enterprise Application Development and Software Security ~~Mobile Application Development~~**

File: 563.6

Last approved: 06/27/16 3:12 am

Last edit: 02/09/17 11:26 am

Changes proposed by: barryf

Catalog Pages
referencing this
course

[Information Science and Technology](#)

Programs
referencing this
course

[MOBLB&T-MI: Mobile Bus & Tech Minor](#)
[PROPOSED: Cybersecurity Management and Information Assurance Minor](#)

Requested
Effective Change
Date

Summer 2017 ~~Fall 2016~~

Department Business and Information Technology

Discipline Enterprise Resource Planning (ERP)

Course Number 5240

Title

In Workflow

1. **RBUSADMN**
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. Ishelton

11. Peoplesoft

Approval Path

1. 02/07/17 10:47
am
siauk: Approved
for RBUSADMN
Chair
2. 02/09/17 11:24
am
Lahne Black

Enterprise **Application Development** and **Software Security Mobile**
~~Application Development~~

Abbreviated **App Dev & Sftwr Security**
 Course Title ~~Enterprise & Mobile Apps~~

Catalog
 Description

(lahne): Approved
 for CCC Secretary
 3. 02/09/17 12:09
 pm
 Barry Flachsbart
 (barryf):
 Approved for
 Social Sciences
 DSCC Chair

History

1. Jun 27, 2016 by
 barryf (563.1)

This course provides **a** conceptual foundation and hands on experience in web **and mobile** based **(HTML5)** applications development deployed through an **enterprise Enterprise and Mobile** platform. ~~SAP~~ Enterprise development **tools, such as SAP tools will be used to build these apps, including SAP Design Studio,** HANA Cloud Platform, **will be used to build these apps. and SAP Mobile Platform.** ~~The course also covers software cybersecurity from a web and mobile perspective~~

Prerequisites

Programming knowledge and either ERP 2110 or preceded or accompanied by ERP 5110.

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:

Changing the course to deal more extensively with security issues.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

siauk (01/31/17 12:58 pm): Rollback: As you requested.

Course Inventory Change Request

Date Submitted: 02/01/17 6:38 pm

Viewing: **IS&T 1552 : Implementing Information Systems: Data Perspective**

File: 1565.7

Last approved: 10/31/16 3:11 am

Last edit: 02/09/17 11:26 am

Changes proposed by: barryf

Programs
referencing this
course

[BUS&MS-BS: Business and Mgmt Systems BS](#)

[IST-BS: Information Science and Tch BS](#)

[IST-MI: Information Sci & Tech Minor](#)

Other Courses
referencing this
course

In The Prerequisites:

[IS&T 3131 : Computing Internals And Operating Systems](#)

[IS&T 3333 : Data Networks and Information Security](#)

[IS&T 3420 : Introduction to Data Science and Management](#)

[IS&T 3423 : Database Management](#)

[IS&T 3553 : Modular Software Systems in Java](#)

[IS&T 5423 : Foundations of Data Management](#)

[PSYCH 3720 : Web Design And Development](#)

Requested **Summer** ~~Spring~~ 2017
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. Ishelton

11. Peoplesoft

Approval Path

1. 02/01/17 7:16 pm
siauk: Approved
for RINFSCTE
Chair

2. 02/09/17 11:24
am

Lahne Black
(lahne): Approved
for CCC Secretary

Department Business and Information Technology

Discipline Info Science & Technology (IS&T)

Course Number 1552

Title

Implementing Information Systems: Data Perspective

Abbreviated Info Sys: Data Perspective

Course Title

3. 02/09/17 12:09
pm
Barry Flachsbart
(barryf):
Approved for
Social Sciences
DSCC Chair

Catalog

Description

History

1. Oct 31, 2016 by
barryf (1565.1)

Continuation of object-oriented programming in the context of developing and implementing the various components of an information system with particular attention given to database incorporation. Class will include numerous projects covering intermediate topics.

Prerequisites

A C or better grade in IS&T 1551. ~~IS&T 1551.~~

Field Trip

Statement

Credit Hours

LEC: 3

LAB: 0

IND: 0

RSD: 0

Total: 3

Required for

Yes

Majors

Elective for

No

Majors

Justification for

change:

1552 is the follow-on to 1551. A student with a D in 1551 is not ready to move on.

Semesters

previously

offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

Key: 1565

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 02/02/17 9:48 am

Viewing: **IS&T 3131 : Computing Internals And Operating Systems**

File: 2441.1

Last edit: 02/09/17 11:25 am

Changes proposed by: barryf

Programs
referencing this
course

[IST-BS: Information Science and Tch BS](#)

Other Courses
referencing this
course

In The Prerequisites:

[IS&T 3553 : Modular Software Systems in Java](#)

Requested	Summer 2017 Fall 2014
Effective Change Date	
Department	Business and Information Technology
Discipline	Info Science & Technology (IS&T)
Course Number	3131
Title	Computing Internals And Operating Systems
Abbreviated Course Title	Comp Internals & Op Sys

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. Ishelton

11. Peoplesoft

Approval Path

1. 02/07/17 10:46
am

siauk: Approved
for RINFSCTE
Chair

2. 02/09/17 11:25
am

Lahne Black
(lahne): Approved
for CCC Secretary

Catalog
Description

3. 02/09/17 12:10
pm
Barry Flachsbart
(barryf):
Approved for
Social Sciences
DSCC Chair

Design-oriented introduction to computer components and operation. Standard codes; number systems; base conversions; computer arithmetic; boolean algebra; operating system components including memory management, device management, and I/O management; and related issues are covered.

Prerequisites

A C ~~IS&T 1552~~ or **better grade in IS&T 1552 or** Comp Sci 1510.

Field Trip
Statement

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

Total: 3

Required for **Yes No**

Majors

Elective for No

Majors

Justification for
change:

A grade better than D is needed for this course.

Semesters
previously
offered as an
experimental
course

Co-Listed

Courses:

Course Reviewer

Comments

Key: 2441

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 02/02/17 9:49 am

Viewing: **IS&T 3423 : Database Management**

File: 259.1

Last edit: 02/09/17 11:26 am

Changes proposed by: barryf

Programs

referencing this
course

[ANA&DTA-MI: Business Analytics and Data Science Minor](#)

[IST-BS: Information Science and Tch BS](#)

Other Courses

referencing this
course

In The Prerequisites:

[ERP 5410 : Use of Business Intelligence](#)

[ERP 6444 : Essentials of Data Warehouses](#)

[IS&T 3343 : Systems Analysis](#)

[IS&T 6444 : Essentials of Data Warehouses](#)

Requested **Summer 2017** ~~Fall 2014~~

Effective Change
Date

Department Business and Information Technology

Discipline Info Science & Technology (IS&T)

Course Number 3423

Title
Database Management

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. Ishelton

11. Peoplesoft

Approval Path

1. 02/07/17 10:46
am

siauk: Approved
for RINFSCTE
Chair

2. 02/09/17 11:26
am

Lahne Black
(lahne): Approved
for CCC Secretary

Abbreviated
Course Title Database Management

3. 02/09/17 12:10
pm
Barry Flachsbart
(barryf):
Approved for
Social Sciences
DSCC Chair

Catalog
Description

The course introduces the concepts of database management systems. Issues in database architecture, design, administration, and implementation are covered.

Prerequisites

IS&T 1750; **A grade of C** ~~IS&T 1552~~ or **better in IS&T 1552 or** Comp Sci 1510.

Field Trip
Statement

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

Total: 3

Required for **Yes** ~~No~~
Majors

Elective for No
Majors

Justification for
change:

A grade better than D in programming is required for this course.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer Comments

Key: 259

[Preview Bridge](#)

Course Inventory Change Request

New Course Proposal

Date Submitted: 02/02/17 9:47 am

Viewing: **IS&T 4780 : Human and Organizational Factors in Cybersecurity**

File: 4349

Last edit: 02/09/17 11:27 am

Changes proposed by: barryf

Programs
referencing this
course

[PROPOSED: Cybersecurity Management and Information Assurance Minor](#)

Requested Summer 2017

Effective Change
Date

Department Business and Information Technology

Discipline Info Science & Technology (IS&T)

Course Number 4780

Title
Human and Organizational Factors in Cybersecurity

Abbreviated Factors in Cybersecurity

Course Title

Catalog
Description

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. Ishelton

11. Peoplesoft

Approval Path

1. 02/07/17 10:46
am

siauk: Approved
for RINFSCTE
Chair

2. 02/09/17 11:27
am

Lahne Black
(lahne): Approved
for CCC Secretary

3. 02/09/17 12:10
pm
Barry Flachsbart
(barryf):
Approved for
Social Sciences
DSCC Chair

This class provides an in-depth examination of human and organizational factors in cybersecurity and information assurance. Examines current challenges to protecting the integrity, availability, and confidentiality of information, as well as tools, methods, principles, and analytics for fraud prevention, insider threat detection, and forensic investigations.

Prerequisites

None, but the following are recommended: IS&T 3333 or IS&T 6336 or Comp Sci 3600 or another introductory cybersecurity or information assurance course.

Field Trip

Statement

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

Justification for new course:

Required for the Cybersecurity Management and Information Assurance Minor

Semesters

previously offered as an experimental course

None

Co-Listed

Courses:

Course Reviewer

Comments

Key: 4349

[Preview Bridge](#)

Course Inventory Change Request

New Course Proposal

Date Submitted: 02/02/17 9:48 am

Viewing: **IS&T 6780 : Adv. Human and Organizational Factors in Cybersecurity**

File: 4385

Last edit: 02/02/17 9:48 am

Changes proposed by: barryf

Requested	Fall 2017
Effective Change Date	
Department	Business and Information Technology
Discipline	Info Science & Technology (IS&T)
Course Number	6780
Title	Adv. Human and Organizational Factors in Cybersecurity
Abbreviated Course Title	Adv Facts Cybersecurity

Catalog Description

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. Ishelton
11. Peoplesoft

Approval Path

1. 02/07/17 10:46 am
siauk: Approved for RINFSCTE Chair
2. 02/09/17 11:27 am
Lahne Black (lahne): Approved for CCC Secretary

3. 02/09/17 12:11
pm
Barry Flachsbart
(barryf):
Approved for
Social Sciences
DSCC Chair

In-depth examination of human and organizational factors in cybersecurity and information assurance. Examines current challenges to protecting the integrity, availability, and confidentiality of information, as well as tools, methods, principles, and analytics for fraud prevention, insider threat detection, and forensic investigations. Project Required.

Prerequisites

None, but recommended: IS&T 3333 or IS&T 6336 or Comp Sci 3600 or another introductory cybersecurity or information assurance 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 new course:

Required for the Cybersecurity Management and Information Assurance Graduate Certificate.

Paired with IS&T 4780, which is required for the Cybersecurity Management and Information Assurance Minor.

Semesters previously

offered as an
experimental
course
None

Co-Listed
Courses:

Course Reviewer
Comments

Key: 4385

[Preview Bridge](#)

Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 12/24/16 10:17 am

Viewing: **MET ENG 1210 : Chemistry Of Materials**

File: 1974.1

Last edit: 01/25/17 3:38 pm

Changes proposed by: smiller

Catalog Pages
referencing this
course

[Freshman Engineering Program](#)

Programs
referencing this
course

[CR ENG-BS: Ceramic Engineering BS](#)

[MT ENG-BS: Metallurgical Engineering BS](#)

Other Courses
referencing this
course

In The Prerequisites:

[CER ENG 2240 : Applied Glass Forming](#)

[CER ENG 3220 : Phase Equilibria](#)

[CER ENG 3230 : Thermodynamics of Materials](#)

[CHEM ENG 5320 : Introduction to Nanomaterials](#)

[MET ENG 3220 : Introduction To Extractive Metallurgy](#)

[MET ENG 3330 : Metallurgical Thermodynamics I](#)

In Workflow

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

Approval Path

1. 12/24/16 1:03 pm
mjokeefe:
Approved for
RMATSENG Chair
2. 01/12/17 5:58 pm
Kristy Giacomelli
(kristyg):
Approved for CCC
Secretary

Requested Fall ~~2014~~ **2017**
 Effective Change
 Date
 Department Materials Science & Engineering
 Discipline Metallurgical Engineering (MET ENG)
 Course Number 1210
 Title Chemistry Of Materials
 Abbreviated Chemistry Of Materials
 Course Title

3. 01/25/17 3:38 pm
 sraper: Approved
 for Engineering
 DSCC Chair

Catalog

Description

Basic Inorganic Chemistry of Materials. Topics will include chemical properties, structure and bonding of solids, energy, enthalpy, entropy, thermochemistry, kinetics and rate processes. Application of chemistry principles to materials engineering through flowsheeting, reactor design, materials/metals processing and the environment.

Prerequisites

"C" or better grade in Chem 1310.

Field Trip

Statement

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

Total: 3

Required for No

Majors

Elective for No

Majors

Justification for

change:

The Met Eng and Cer Eng BS program curricula are being revised to include CHEM 1320 instead of Met 1210, thus course is no longer needed.

Semesters

previously
offered as an
experimental
course

Co-Listed

Courses:

Course Reviewer

Comments

sraper (01/25/17 3:38 pm): approve deactivation, but understand DC will have to be changed.

Key: 1974

[Preview Bridge](#)

Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 12/23/16 2:27 pm

Viewing: **MET ENG 2002 : Cooperative Training**

File: 2121.1

Last edit: 12/23/16 2:27 pm

Changes proposed by: smiller

Requested	Fall 2017 2014
Effective Change Date	
Department	Materials Science & Engineering
Discipline	Metallurgical Engineering (MET ENG)
Course Number	2002
Title	Cooperative Training
Abbreviated Course Title	Cooperative Training

In Workflow

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

Catalog Description

Approval Path

1. 12/23/16 3:18 pm
mjokeefe:
Approved for
RMATSENG Chair
2. 01/12/17 5:58 pm
Kristy Giacomelli
(kristyg):
Approved for CCC
Secretary

3. 01/25/17 3:38 pm
 sraper: Approved
 for Engineering
 DSCC Chair

On-the-job experience gained through cooperative education in the field of metallurgical engineering with credit arranged through department cooperative advisor. A pass/fail grade will be given based on the quality of reports submitted and work supervisor's evaluation.

Prerequisites

Field Trip Statement

Credit Hours	LEC: 0	LAB: 0	IND: 0	RSD: 0
Total: 1-2				
Required for Majors	No			
Elective for Majors	No			

Justification for change:

Met Eng program no longer awards course credit for Co-op

Semesters
previously
offered as an
experimental
course

Co-Listed Courses:

Course Reviewer Comments

Key: 2121

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 12/23/16 2:29 pm

Viewing: **MET ENG 3220 : Introduction To Extractive Metallurgy**

File: 1903.6

Last approved: 05/06/16 3:33 am

Last edit: 01/25/17 3:39 pm

Changes proposed by: smiller

Programs
referencing this
course

[MT ENG-BS: Metallurgical Engineering BS](#)

Other Courses
referencing this
course

In The Prerequisites:

[MET ENG 3225 : Extractive Metallurgy Laboratory](#)

Requested	Fall 2017 Summer 2016
Effective Change	
Date	
Department	Materials Science & Engineering
Discipline	Metallurgical Engineering (MET ENG)
Course Number	3220
Title	Introduction To Extractive Metallurgy

In Workflow

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

Approval Path

1. 12/23/16 3:18 pm
mjokeefe:
Approved for
RMATSENG Chair
2. 01/12/17 5:58 pm
Kristy Giacomelli
(kristyg):
Approved for CCC
Secretary

Abbreviated Course Title Intro Extractive Met

3. 01/25/17 3:39 pm
sraper: Approved
for Engineering
DSCC Chair

Catalog Description

History

1. Nov 3, 2014 by smiller (1903.1)
2. May 6, 2016 by smiller (1903.4)

Production and refining of metals by pyrometallurgy, hydrometallurgy, and electrometallurgy. Emphasis on heat and mass balance calculations for the unit processes of metals extraction. Introduction to the principles of combustion, heat utilization and recovery.

Prerequisites

"C" or better grade in **Chem 1320**. ~~Met Eng 1210~~-Preceded or accompanied by Met Eng 3330 or Cer Eng 3230 or Chem 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:

Deactivation of Met Eng 1210, substitute Chem 1320.

Semesters previously

offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer

Comments

sraper (01/25/17 3:39 pm): approve but DC will need to be changed.

Key: 1903

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 12/23/16 10:34 am

Viewing: **MET ENG 4230 : Corrosion And Its Prevention**

File: 313.1

Last edit: 12/23/16 10:34 am

Changes proposed by: smiller

Programs
referencing this
course

[MT ENG-BS: Metallurgical Engineering BS](#)

Requested	Fall 2017 2014
Effective Change Date	
Department	Materials Science & Engineering
Discipline	Metallurgical Engineering (MET ENG)
Course Number	4230
Title	Corrosion And Its Prevention
Abbreviated Course Title	Corrosion & Its Prevent

Catalog
Description

In Workflow

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

Approval Path

1. 12/23/16 3:18 pm
mjokeefe:
Approved for
RMATSENG Chair
2. 01/12/17 5:58 pm
Kristy Giacomelli
(kristyg):
Approved for CCC
Secretary

3. 01/25/17 3:41 pm
 sraper: Approved
 for Engineering
 DSCC Chair

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

Prerequisites

"C" or better grade in either Chem **3120** ~~3430~~ 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	No
------------------------	-----------

Justification for change:

The prerequisite change is meant to include a more relevant prerequisite for Chemical Engineering students, and the co-listing change provides the correct course number of the co-listed Chem Eng course

Semesters
previously
offered as an
experimental
course

Co-Listed

Courses:

~~CHEM ENG 5310 - Structure And Properties Of Polymers~~

CHEM ENG 5315 - Corrosion And Its Prevention

Course Reviewer Comments

Key: 313

[Preview Bridge](#)

Course Inventory Change Request

Date Submitted: 12/23/16 2:32 pm

Viewing: **MET ENG 5520 : ~~Scanning~~-Electron
Microscopy**

File: 2291.1

Last edit: 12/23/16 2:32 pm

Changes proposed by: smiller

Other Courses
referencing this
course

In The Prerequisites:

[MET ENG 6530 : Transmission Electron Microscopy](#)

Requested	Fall 2017 2014
Effective Change Date	
Department	Materials Science & Engineering
Discipline	Metallurgical Engineering (MET ENG)
Course Number	5520
Title	Scanning -Electron Microscopy
Abbreviated Course Title	Scanning -Electrn Microsc

Catalog
Description

In Workflow

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

Approval Path

1. 12/23/16 3:18 pm
mjokeefe:
Approved for
RMATSENG Chair
2. 01/12/17 5:58 pm
Kristy Giacomelli
(kristyg):
Approved for CCC
Secretary

3. 01/25/17 3:40 pm
 scraper: Approved
 for Engineering
 DSCC Chair

A course in the theory and application of **both scanning and transmission** electron microscopy **and** ~~and~~ x-ray microanalysis. Topics considered are electron optics, image formation and analysis; x-ray generation, detection and analysis; and characterization of fracture surfaces.

Prerequisites

Met Eng 3130 and 2125 or course in optical microscopy - consent of instructor required.

Field Trip Statement

Credit Hours	LEC: 3 2	LAB: 0 1	IND: 0	RSD: 0
Total: 3				
Required for Majors	No			
Elective for Majors	No			

Justification for change:

Expand lecture to three credit hours and incorporate lecture materials from Met 5520 and Met 6530, eliminate lab hour. Will create separate courses for SEM and TEM labs as Met 5525 and Met Eng 6535, respectively.

Semesters
previously
offered as an
experimental
course

Co-Listed

Courses:

Course Reviewer

Comments

Key: 2291

[Preview Bridge](#)

Course Inventory Change Request

New Course Proposal

Date Submitted: 12/23/16 2:38 pm

Viewing: **MET ENG 5525 : Scanning Electron
Microscopy Lab**

File: 4391

Last edit: 12/23/16 2:38 pm

Changes proposed by: smiller

Requested Fall 2017

Effective Change

Date

Department Materials Science & Engineering

Discipline Metallurgical Engineering (MET ENG)

Course Number 5525

Title

Scanning Electron Microscopy Lab

Abbreviated SEM Lab

Course Title

Catalog

Description

In Workflow

1. **RMATSENG Chair**

2. **CCC Secretary**

3. **Engineering DSCC
Chair**

4. **Pending CCC
Agenda post**

5. CCC Meeting
Agenda

6. Campus Curricula
Committee Chair

7. FS Meeting
Agenda

8. Faculty Senate
Chair

9. Registrar

10. Ishelton

11. Peoplesoft

Approval Path

1. 12/23/16 3:18 pm
mjokeefe:

Approved for
RMATSENG Chair

2. 01/12/17 5:58 pm
Kristy Giacomelli
(kristyg):

Approved for CCC
Secretary

3. 01/25/17 3:40 pm
 sraper: Approved
 for Engineering
 DSCC Chair

A course in the practical use and operation of scanning electron beam instruments and their associated techniques.

Prerequisites

Preceded or accompanied by Met 5520

Field Trip

Statement

Credit Hours	LEC: 0	LAB: 1	IND: 0	RSD: 0
--------------	--------	--------	--------	--------

Total: 1

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

Elective for Majors	No
------------------------	----

Justification for

new course:

Move lab component out of previous Met Eng 5520 course, for a stand-alone lab course.

Semesters

previously
 offered as an
 experimental
 course

Co-Listed

Courses:

Course Reviewer

Comments

Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 12/23/16 2:43 pm

Viewing: **MET ENG 6530 : Transmission Electron
Microscopy**

File: 2215.5

Last approved: 05/24/16 4:57 am

Last edit: 12/23/16 2:43 pm

Changes proposed by: smiller

Requested Fall **2017** ~~2016~~

Effective Change

Date

Department Materials Science & Engineering

Discipline Metallurgical Engineering (MET ENG)

Course Number 6530

Title

Transmission Electron Microscopy

Abbreviated Transmis Elec Microscopy

Course Title

Catalog

Description

In Workflow

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

Approval Path

1. 12/23/16 3:18 pm
mjokeefe:
Approved for
RMATSENG Chair
2. 01/12/17 5:58 pm
Kristy Giacomelli
(kristy):
Approved for CCC
Secretary

3. 01/25/17 3:40 pm
 sraper: Approved
 for Engineering
 DSCC Chair

History

1. May 24, 2016 by
 smiller (2215.1)

A course in the theory and application of transmission electron microscopy. Topics considered are electron optics, image formation, defect structures, specimen preparation, contrast theory and electron diffraction.

Prerequisites

Met Eng 5520 and graduate standing.

Field Trip

Statement

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

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

Elective for Majors	No
------------------------	----

Justification for
change:

Content moved to expanded Met Eng 5520 course and newly created Met Eng 6535 lab course.

Semesters
previously
offered as an
experimental
course

Co-Listed

Courses:

Course Reviewer

Comments

Key: 2215

[Preview Bridge](#)

Course Inventory Change Request

New Course Proposal

Date Submitted: 12/23/16 2:42 pm

Viewing: **MET ENG 6535 : Transmission Electron
Microscopy Lab**

File: 4392

Last edit: 12/23/16 2:42 pm

Changes proposed by: smiller

Requested	Fall 2017
Effective Change Date	
Department	Materials Science & Engineering
Discipline	Metallurgical Engineering (MET ENG)
Course Number	6535
Title	Transmission Electron Microscopy Lab
Abbreviated Course Title	TEM Lab

Catalog
Description

In Workflow

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

Approval Path

1. 12/23/16 3:18 pm
mjokeefe:
Approved for
RMATSENG Chair
2. 01/12/17 5:58 pm
Kristy Giacomelli
(kristyg):
Approved for CCC
Secretary

3. 01/25/17 3:40 pm
 scraper: Approved
 for Engineering
 DSCC Chair

A course in the practical use and operation of transmission electron beam instruments and their associated techniques.

Prerequisites

Preceded or accompanied by Met 5520.

Field Trip

Statement

Credit Hours	LEC: 0	LAB: 1	IND: 0	RSD: 0
--------------	--------	--------	--------	--------

Total: 1

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

Elective for Majors	No
------------------------	----

Justification for

new course:

Move lab component out of previous Met Eng 6530 course, for a stand-alone lab course.

Semesters

previously
 offered as an
 experimental
 course

Co-Listed

Courses:

Course Reviewer

Comments

Program Change Request

New Program Proposal

Date Submitted: 02/02/17 9:50 am

Viewing: **PROPOSED : Cybersecurity Management and Information Assurance Minor**

File: 247

Last edit: 02/02/17 9:54 am

Changes proposed by: barryf

Start Term	Fall 2017
Program Code	PROPOSED
Department	Business and Information Technology
Title	Cybersecurity Management and Information Assurance Minor

Program Requirements and Description

Minor in Cybersecurity Management and Information Assurance

This minor requires the following 15 hours of coursework:

The following three courses are required:

BUS 5910	Privacy and Information Security Law	
IS&T 4780	Human and Organizational Factors in Cybersecurity	3
IS&T 3333	Data Networks and Information Security	3

Two of the following three courses must also be taken:

ERP 5240	Enterprise Application Development and Software Security	3
IS&T 4335	Fundamentals of Mobile Technology for Business	3
IS&T 4641	Electronic and Mobile Commerce	3

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. kristyg

Approval Path

1. 02/02/17 10:12 am
Kristy Giacomelli (kristyg): Approved for RINFSCTE Chair
2. 02/02/17 10:12 am
Kristy Giacomelli (kristyg): Approved for CCC Secretary
3. 02/09/17 12:07 pm
Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair

Justification for
request

Cybersecurity and the management of security information are continuing to grow in importance. Our research reveals this need; our Advisory Board tells us of this need; and employers at Career Fairs tell us of this need.

Supporting
Documents

Course Reviewer

Comments

barryf (02/02/17 9:53 am): All departmental approvals are in place.

barryf (02/02/17 9:54 am): All departmental approvals are in place.

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 11/08/16 12:32 pm

Viewing: **CER ENG 4001.001 : Introduction to Optical Properties of Materials**

File: 4372

Last edit: 02/14/17 11:32 am

Changes proposed by: smiller

Requested	Fall 2017
Effective Change Date	
Department	Materials Science & Engineering
Discipline	Ceramic Engineering (CER ENG)
Course Number	4001
Topic ID	001
Experimental Title	Introduction to Optical Properties of Materials
Experimental Abbreviated Course Title	Intro to Optical Props
Instructors	Wayne Huebner

Experimental Catalog Description

In Workflow

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

Approval Path

1. 11/08/16 1:23 pm
mjokeefe:
Approved for
RMATSENG Chair
2. 12/01/16 3:45 pm
Kristy Giacomelli
(kristyg):
Approved for CCC
Secretary
3. 12/07/16 11:15
am
srafer: Rollback
to CCC Secretary
for Engineering
DSCC Chair

4. 12/16/16 11:19 am
Kristy Giacomelli (kristyg): Approved for CCC Secretary
5. 01/09/17 1:37 pm
Kristy Giacomelli (kristyg): Rollback to CCC Secretary for Engineering DSCC Chair
6. 01/12/17 5:58 pm
Kristy Giacomelli (kristyg): Approved for CCC Secretary
7. 01/25/17 3:36 pm
sraoper: Approved for Engineering DSCC Chair

Students will gain a basic understanding of the structure-optical property relationships exhibited by isotropic and anisotropic materials. Topics will include the wave/particle nature of light, how light interacts with materials, color, and applications such as lasers, fiber optic communication systems, electro-optics, and integrated optics.

Prerequisites

Physics 2135 or 2111 and Math 2222

Field Trip

Statement

Credit Hours

LEC: 3

LAB: 0

IND: 0

RSD: 0

Total: 3

Justification for

new course:

Undergraduate level course to accompany the graduate level Cer Eng 6220 course.

Semester(s)

previously taught

none

Co-Listed

Courses:

Course Reviewer

Comments

sraper (12/07/16 11:15 am): Rollback: Kristy, I was going to try and make edits to the above form. But it will not allow. First, it needs to be changed to a 4001 rather than 5001. Second, the "to" in the title is now "ot" so that needs changing. Lastly, the prereq should read like this: "Math 2222 and either Physics 2135 or Physics 2111", So I will roll back.

kristyg (01/09/17 1:37 pm): Rollback: Change number

sraper (01/25/17 3:36 pm): changed effective date to Fall 2017
