



## Campus Curricula Committee Meeting Agenda

October 5, 2016

9:00-10:30 a.m., 206 Parker Hall

### Review of submitted Course Change forms:

- File# 4059.5 Computer Science 6304: Cloud Computing and Big Data
- File# 1771.1 Education 3215: Teaching Of Reading In Elementary And Middle School
- File# 1758.1 Education 3216: Teaching Reading In Content Area
- File# 1869.1 Education 3217: Analysis And Correction of Reading Difficulties
- File# 1870.1 Education 3218: Language Arts For Elementary Teachers
- File# 2541.5 Education 3221: Teaching Math in Elementary and Middle Schools
- File# 1565.1 Information Science & Technology 1552: Implementing Information Systems: Data Perspective
- File#124.6 Information Science & Technology 5886: Prototyping Human-Computer Interactions
- File#647.1 Mathematics 5154: Mathematical Logic I
- File#2445.1 Metallurgical Engineering 4160: Introduction to Particulate Materials
- File#1596.1 Metallurgical Engineering 5150: Introduction to Particulate Materials
- File#4328 Russian 3790: Scientific Russian
- File#4329 Russian 5790: Advanced Scientific Russian
- File 4324 Theatre 3245: Voice, Diction and Interpretation

### Review of submitted Degree Change forms:

- File# 233.3 Philosophy: Philosophy BS

### Review of submitted Experimental Course forms:

- File# 4330 English 3001.001: Extreme Nature and the Supernatural in Iceland
- File# 4331 English 3001.002: The Grammatical Structure of English
- File# 4332 English 3001.003: The Icelandic Hero and Outlaw
- File# 4327 Geological Engineering 5001.001: Renewable Energy in Nicaragua
- File# 4326 Marketing 5001.001: Marketing Analytics

# Course Inventory Change Request

Date Submitted: 08/18/16 7:55 am

Viewing: **COMP SCI 6304 : Cloud Computing and Big Data Management**

File: 4059.5

Last approved: 09/29/14 4:09 am

Last edit: 08/18/16 7:55 am

Changes proposed by: tauritzd

Catalog Pages  
referencing this  
course

[Information Science and Technology](#)

Requested	<b>Spring 2017</b> <del>01/13/2015</del>
Effective Change Date	
Department	Computer Science
Discipline	Computer Science (COMP SCI)
Course Number	6304
Title	Cloud Computing and Big Data Management
Abbreviated Course Title	<b>Cloud and Big Data Mgmt</b> <del>Cloud Computing</del>

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. 08/18/16 8:02 am Sajal Das (sdas): Approved for RCOMPSCI Chair
2. 08/23/16 1:08 pm Shauntae Ellis (smetg6): Approved for CCC Secretary

3. 09/07/16 9:48 am  
 sraper: Approved  
 for Engineering  
 DSCC Chair

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### History

1. Sep 29, 2014 by  
 tauritzd

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Covers facets of cloud computing and big data management, including the study of the architecture of the cloud computing model with respect to virtualization, multi-tenancy, privacy, security, cloud data management and indexing, scheduling and cost analysis; it also includes programming models such as Hadoop and MapReduce, crowdsourcing, and data provenance.

### Prerequisites

A 'C' or better grade in both COMP SCI 5800 and either COMP SCI 5300 or COMP SCI ~~5402. 5001 -- Introduction to Data Mining.~~

### Field Trip

### Statement

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

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

### Justification for change:

The new abbreviated course title more accurately reflects the course content. The update in the prereqs field reflects that the data mining course now has a permanent course number.

Semesters

previously

offered as an

experimental

course

FS2011 and FS2013.

Co-Listed

Courses:

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Course Reviewer

Comments

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Key: 4059

[Preview Bridge](#)

# Course Inventory Change Request

Date Submitted: 08/22/16 10:48 am

Viewing: **EDUC 3215 ~~2215~~: Teaching Of Reading In Elementary And Middle School**

File: 1771.1

Last edit: 08/22/16 10:48 am

Changes proposed by: dewittp

Requested	<b>Spring 2017</b> <del>Fall 2014</del>
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Education (EDUC)
Course Number	<b>3215</b> <del>2215</del>
Title	Teaching Of Reading In Elementary And Middle School
Abbreviated Course Title	Tch Read Elem & Mid Sch

Catalog Description

In Workflow

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

Approval Path

1. 08/24/16 1:57 pm  
audram:  
Approved for  
RPHILOSO Chair
2. 08/30/16 1:45 pm  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary

3. 08/30/16 3:38 pm  
 dewittp:  
 Approved for Arts  
 & Humanities  
 DSCC Chair

Current materials, methods and teaching techniques in teaching reading in elementary and middle school grades. Emphasis on assessing elementary and middle students needs, individualizing programs based on needs, reading in the content areas, study skills and recreational reading as a lifetime habit.

#### Prerequisites

Educ 1040.

#### Field Trip

#### Statement

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

Required for Majors	Yes <del>No</del>
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Elective for Majors	No
------------------------	----

#### Justification for change:

Updated course number reflects that course material is actually at the junior and senior level.

Semesters  
previously  
offered as an  
experimental  
course

#### Co-Listed Courses:

## Course Reviewer Comments

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Key: 1771

[Preview Bridge](#)

# Course Inventory Change Request

Date Submitted: 08/22/16 10:49 am

Viewing: **EDUC 3216** ~~2216~~: Teaching Reading In  
**Content Area**

File: 1758.1

Last edit: 08/30/16 1:46 pm

Changes proposed by: dewittp

Requested	<b>Spring 2017</b> <del>Fall 2014</del>
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Education (EDUC)
Course Number	<b>3216</b> <del>2216</del>
Title	Teaching Reading In Content Area
Abbreviated Course Title	Teach Read In Cont Area

Catalog  
Description

In Workflow

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

Approval Path

1. 08/24/16 1:57 pm  
audram:  
Approved for  
RPHILOSO Chair
2. 08/30/16 1:48 pm  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary



3. 08/30/16 3:38 pm  
 dewittp:  
 Approved for Arts  
 & Humanities  
 DSCC Chair

For elementary, middle and secondary school teachers. Specific ways teachers can help students improve reading skills in content areas and ways reading can be taught in reading classes.

#### Prerequisites

#### Field Trip Statement

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0
Total: 3				
Required for Majors	No			
Elective for Majors	<b>Yes</b> <del>No</del>			

#### Justification for change:

Updated course number reflects that course material is actually at the junior and senior level.

#### Semesters previously offered as an experimental course

#### Co-Listed Courses:

Course Reviewer

Comments

**smetg6 (08/30/16 1:46 pm):** Marked as an elective for major as neither box had been marked

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Key: 1758

[Preview Bridge](#)

# Course Inventory Change Request

Date Submitted: 08/24/16 2:11 pm

Viewing: **EDUC 3217 ~~2217~~: Analysis And Correction Of Reading Difficulties**

File: 1869.1

Last edit: 08/25/16 8:57 am

Changes proposed by: dewittp

Requested	<b>Spring 2017</b> <del>Fall 2014</del>
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Education (EDUC)
Course Number	<b>3217</b> <del>2217</del>
Title	Analysis And Correction Of Reading Difficulties
Abbreviated Course Title	Analy & Corr Reading Dif

Catalog Description

In Workflow

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

Approval Path

1. 08/25/16 8:57 am audram:  
Approved for RPHILOSO Chair
2. 08/30/16 1:50 pm Shauntae Ellis (smetg6):  
Approved for CCC Secretary

3. 08/30/16 3:38 pm  
 dewittp:  
 Approved for Arts  
 & Humanities  
 DSCC Chair

Procedures for diagnosing and correcting reading problems within the classroom.  
 Acquaint preservice teachers preparing for elementary **education** with **commercially**  
~~commercial~~ prepared informal diagnostic instruments, attitude and interest  
 inventories, prescriptive measures, anecdotal records and strategies for corrective  
 reading instruction within the regular **classroom**. ~~classroom for elementary children.~~

#### Prerequisites

Educ 2215.

#### 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:

Updated course number reflects that course material is actually at the junior and senior level.

Semesters  
 previously  
 offered as an  
 experimental  
 course

Co-Listed

Courses:

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Course Reviewer

Comments

**audram (08/24/16 1:59 pm):** Rollback: Something is not right at the end of the catalog description. Is it still supposed to say "elementary children"? If not, it just cuts off (after a spelling error).

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Key: 1869

[Preview Bridge](#)

# Course Inventory Change Request

Date Submitted: 08/22/16 10:50 am

Viewing: **EDUC 3218 ~~2218~~: Language Arts For Elementary Teachers**

File: 1870.1

Last edit: 08/22/16 10:50 am

Changes proposed by: dewittp

Requested	<b>Spring 2017</b> <del>Fall 2014</del>
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Education (EDUC)
Course Number	<b>3218</b> <del>2218</del>
Title	Language Arts For Elementary Teachers
Abbreviated Course Title	Lang Arts For Elem Tchrs

Catalog Description

In Workflow

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

Approval Path

1. 08/24/16 1:59 pm  
audram:  
Approved for  
RPHILOSO Chair
2. 08/30/16 1:56 pm  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary

3. 08/30/16 3:39 pm  
 dewittp:  
 Approved for Arts  
 & Humanities  
 DSCC Chair

Procedures used in teaching integrated language arts in elementary grades. The strategies would be the development of written and oral communication for use in elementary grades.

#### Prerequisites

Educ 1040.

#### Field Trip

Statement

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

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

Justification for  
change:

Updated course number reflects that course material is actually at the junior and senior level.

Semesters  
previously  
offered as an  
experimental  
course

Co-Listed  
Courses:

## Course Reviewer Comments

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Key: 1870

[Preview Bridge](#)



# Course Inventory Change Request

Date Submitted: 08/22/16 10:51 am

Viewing: **EDUC 3221 ~~2221~~: Teaching Math in Elementary and Middle Schools**

File: 2541.5

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

Last edit: 08/22/16 10:51 am

Changes proposed by: dewittp

Requested	Spring <b>2017</b> <del>2016</del>
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Education (EDUC)
Course Number	<b>3221</b> <del>2221</del>
Title	Teaching Math in Elementary and Middle Schools
Abbreviated Course Title	Tch Math Elem & Mid Sch

Catalog Description

In Workflow

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

Approval Path

1. 08/24/16 2:00 pm  
audram:  
Approved for  
RPHILOSO Chair
2. 08/30/16 1:57 pm  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary

3. 08/30/16 3:39 pm  
 dewittp:  
 Approved for Arts  
 & Humanities  
 DSCC Chair

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**History**

1. May 6, 2016 by  
 welchms (2541.1)

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The course presents an overview of how children learn mathematics, various techniques in teaching mathematics, and examples of applying these techniques to specific mathematical concepts (such as geometry, measurement, basic operations, statistics and probability, etc.).

**Prerequisites**

Math 1120 or Math 1140.

**Field Trip**

Statement

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

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

Updated course number reflects that course material is actually at the junior and senior level.

Semesters  
previously  
offered as an

experimental  
course

Co-Listed

Courses:

MATH 3921 - Teaching Math in Elementary and Middle Schools

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Course Reviewer

Comments

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Key: 2541

[Preview Bridge](#)

# Course Inventory Change Request

Date Submitted: 08/24/16 1:48 pm

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

File: 1565.1

Last edit: 08/24/16 1:48 pm

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](#)

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

Requested

**Summer 2016** ~~Fall 2014~~

Effective Change

Date

Department

Business and Information Technology

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. 08/24/16 2:45 pm  
siauk: Approved  
for RINFSCTE  
Chair

2. 08/30/16 2:36 pm  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary

Discipline Info Science & Technology (IS&T)  
 Course Number 1552  
 Title  
 Implementing Information Systems: Data Perspective  
 Abbreviated Info Sys: Data Perspective  
 Course Title

3. 09/08/16 1:08 pm  
 Barryf: Approved  
 for Social  
 Sciences DSCC  
 Chair

## Catalog

### Description

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

**IS&T 1551** ~~IS&T 1551 or Comp Sci 1570 or Comp Sci 1970 or Comp Sci 1971.~~

### 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:

Students who have not taken IST 1551 first have generally struggled in the class; many have dropped it and gone to take IST 1551.

In the future, students who have taken a different beginning programming class will be blocked from enrolling by the prerequisite checking system. If they believe they will be OK in IST 1552, they will be given a programming placement test to check

that and, if they pass, given a permission code to enroll in 1552. If not, they will be encouraged to enroll in IST 1551 first.

Semesters

previously

offered as an

experimental

course

Co-Listed

Courses:

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Course Reviewer

Comments

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Key: 1565

[Preview Bridge](#)

# Course Inventory Change Request

Date Submitted: 02/11/16 5:15 pm

Viewing: **IS&T 5886 : Prototyping Human-Computer Interactions**

File: 124.6

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

Last edit: 02/11/16 5:15 pm

Changes proposed by: barryf

Catalog Pages  
referencing this  
course

[Business Administration](#)

[Information Science and Technology](#)

Programs  
referencing this  
course

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

[E&S COM-MI: Elect & Social Commerce Minor](#)

[ENTPRNS-MI: Entrepreneurship Minor](#)

[HCI-MI: Human-Computer Interaction and User Experience  
Minor](#)

[INORGPS-MS: Industrial Organizational Psychology MS](#)

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

[MOBLB&T-MI: Mobile Bus & Tech Minor](#)

Requested **Summer 2016** ~~Fall 2015~~  
Effective Change  
Date

Department Business and Information Technology

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. 08/24/16 2:46 pm  
siauk: Approved  
for RINFSCTE  
Chair

2. 08/30/16 2:36 pm  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary

Discipline Info Science & Technology (IS&T)

Course Number 5886

Title  
Prototyping Human-Computer Interactions

Abbreviated Course Title  
Prototyping HCI

Catalog  
Description

This course explores novel HCI and UX technologies as well as methods and tools for creating system prototypes, including best practices and guidelines for optimal user experiences. Example concepts include mobile applications, behavioral monitoring, gamification, natural user interfaces, haptics, and computers as social actors.

Prerequisites

Preceded or accompanied by IS&T 5885.

Field Trip  
Statement

Credit Hours      LEC: ~~3~~1.5      LAB: ~~0~~1.5      IND: 0      RSD: 0  
Total: 3

Required for  
Majors      No

Elective for  
Majors      No

Justification for  
change:

Instructor plans to teach the course as all lecture. Prototypes will be created as homework.

3. 09/08/16 1:08 pm  
barryf: Approved  
for Social  
Sciences DSCC  
Chair

History

1. Apr 25, 2014 by lahne (124.1)
2. Feb 9, 2015 by barryf (124.3)



Semesters  
previously  
offered as an  
experimental  
course

Co-Listed  
Courses:

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Course Reviewer  
Comments

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Key: 124

[Preview Bridge](#)

# Course Inventory Change Request

Date Submitted: 08/16/16 10:43 pm

Viewing: **MATH 5154 : Mathematical Logic I**

File: 647.1

Last edit: 08/25/16 2:11 pm

Changes proposed by: insall

Programs  
referencing this  
course

[CP ENG-BS: Computer Engineering BS](#)

[TCH CM-MIG: Technical Communication Minor](#)

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

Effective Change

Date

Department Mathematics & Statistics

Discipline Mathematics (MATH)

Course Number 5154

Title

Mathematical Logic I

Abbreviated Math Logic I

Course Title

Catalog

Description

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. FS Meeting  
Agenda

8. Faculty Senate  
Chair

9. Registrar

10. Ishelton

11. Peoplesoft

Approval Path

1. 08/25/16 10:44  
am

sclark: Approved  
for RMATHEMA  
Chair

2. 08/25/16 2:11 pm  
Shauntae Ellis  
(smetg6):

Approved for CCC  
 Secretary  
 3. 09/02/16 10:45  
 am  
 imorgan:  
 Approved for  
 Sciences DSCC  
 Chair

A mathematical introduction to logic with some applications. Functional and relational languages, satisfaction, soundness and completeness theorems, compactness theorems. Examples from Mathematics, Philosophy, Computer Science, and/or Computer Engineering.

Prerequisites

Philos **3254** ~~1115 with junior standing~~ or Math 5105 or Comp Sci 2500 or Comp Eng 2210.

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	<b>Yes</b> <del>No</del>
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Majors

Justification for  
 change:

The higher level Logic Course (Philosophy 3254, "Symbolic Logic in Argumentation") offered by the Philosophy Department is a better prerequisite for this course.

Semesters

previously

offered as an

experimental  
course

Co-Listed

Courses:

COMP ENG 5803 - Mathematical Logic I

COMP SCI 5203 - Mathematical Logic I

PHILOS 4354 - Mathematical Logic I

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Course Reviewer

Comments

**smetg6 (08/25/16 2:11 pm):** Edited Effective Change Date

Key: 647

[Preview Bridge](#)

# Course Inventory Change Request

A deleted record cannot be edited

## Course Deactivation Proposal

Date Submitted: 08/25/16 8:46 pm

Viewing: **MET ENG 4160 : Introduction to Particulate Materials**

File: 2445.1

Last edit: 08/25/16 8:46 pm

Changes proposed by: smiller

Programs  
referencing this  
course

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

Requested	<b>Spring 2017</b> <del>Fall 2014</del>
Effective Change Date	
Department	Materials Science & Engineering
Discipline	Metallurgical Engineering (MET ENG)
Course Number	4160
Title	Introduction to Particulate Materials
Abbreviated Course Title	Intro to Particulate Materials

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. 08/25/16 9:30 pm  
mjokeefe:  
Approved for  
RMATSENG Chair
2. 08/26/16 8:22 am  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary

3. 09/06/16 10:55  
am  
sraper: Approved  
for Engineering  
DSCC Chair

Powder metallurgy and ceramic components, filters, catalysts, nanomaterials, vitamins and more depend strongly on particulate, or powder, characteristics and processing. Aspects of powder fabrication, characterization, safety, handling, component fabrication, secondary processing, and applications will be covered.

#### Prerequisites

Met Eng 2110.

#### 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
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Majors

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#### Justification for

change:

replace this course with Met 5150

#### Semesters

previously

offered as an

experimental

course

#### Co-Listed

Courses:

## Course Reviewer Comments

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Key: 2445

[Preview Bridge](#)

# Course Inventory Change Request

Date Submitted: 05/17/16 8:50 am

Viewing: **MET ENG 5150 : ~~Advanced~~ Introduction to Particulate Materials**

File: 1596.1

Last edit: 08/16/16 10:26 am

Changes proposed by: smiller

Requested	Fall <b>2017</b> <del>2014</del>
Effective Change Date	
Department	Materials Science & Engineering
Discipline	Metallurgical Engineering (MET ENG)
Course Number	5150
Title	<del>Advanced</del> Introduction to Particulate Materials
Abbreviated Course Title	<del>Adv.</del> Intro to Particulate Mat.

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. 05/17/16 8:53 am  
mjokeefe:  
Approved for  
RMATSENG Chair
2. 05/17/16 10:10 am  
Kaylon Buckner (kleb6b):  
Approved for CCC Secretary



3. 06/07/16 9:47 am  
sraper: Approved  
for Engineering  
DSCC Chair
4. 07/14/16 9:42 am  
Kaylon Buckner  
(kleb6b):  
Approved for  
Pending CCC  
Agenda post
5. 08/16/16 10:17  
am  
Shauntae Ellis  
(smetg6):  
Rollback to CCC  
Secretary for CCC  
Meeting Agenda
6. 09/07/16 11:19  
am  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary
7. 09/08/16 10:28  
am  
Shauntae Ellis  
(smetg6):  
Approved for  
Engineering DSCC  
Chair

Powder metallurgy and ceramic components, filters, catalysts, nanomaterials, vitamins and more depend strongly on particulate, or powder, characteristics and processing. Aspects of powder fabrication, characterization, safety, handling, component fabrication, secondary processing, and applications will be covered.

### Prerequisites

Met Eng 2110.

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:

removed the word "Advanced" to reflect option for undergrad students

Semesters  
previously  
offered as an  
experimental  
course

Co-Listed  
Courses:

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Course Reviewer  
Comments

**kristyg (05/16/16 3:56 pm):** Rollback: Change the effective date term to Fall 2017  
per Dr. Miller.

**smetg6 (08/16/16 10:17 am):** Rollback: Tabled

---

# Course Inventory Change Request

## New Course Proposal

Date Submitted: 08/29/16 4:24 pm

Viewing: **RUSSIAN 3790 : Scientific Russian**

File: 4328

Last edit: 09/12/16 3:44 pm

Changes proposed by: ivliyeva

Requested                      Fall 2017

Effective Change

Date

Department                      Arts, Languages, & Philosophy

Discipline                      Russian (RUSSIAN)

Course Number                3790

Title  
Scientific Russian

Abbreviated                      Scientific Russian

Course Title

Catalog

Description

In Workflow

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

Approval Path

1. 08/30/16 1:07 pm  
audram:  
Approved for  
RPHILOSO Chair
2. 08/30/16 2:58 pm  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary

3. 08/30/16 3:49 pm  
 dewittp:  
 Approved for Arts  
 & Humanities  
 DSCC Chair

---

The course focuses on acquisition of Russian scientific vocabulary for STEM disciplines and development of practical skills in translating, discussing, and interpreting intermediate Russian scientific texts.

#### Prerequisites

Russian 1180 or above

#### 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  
 new course:

To expand the Russian language curriculum.

Semesters

previously

offered as an

experimental

course

The course has been offered twice: Fall 2015 (6 students) and Fall 16 (3 students).

Co-Listed

Courses:

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# Course Reviewer Comments

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Key: 4328

[Preview Bridge](#)

# Course Inventory Change Request

## New Course Proposal

Date Submitted: 08/29/16 4:31 pm

Viewing: **RUSSIAN 5790 : Advanced Scientific Russian**

File: 4329

Last edit: 08/29/16 4:31 pm

Changes proposed by: ivliyeva

Requested	Fall 2017
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Russian (RUSSIAN)
Course Number	5790
Title	Advanced Scientific Russian
Abbreviated Course Title	Adv. Scientific Russian

Catalog Description

In Workflow

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

Approval Path

1. 08/30/16 1:07 pm audram:  
Approved for RPHILOSO Chair
2. 08/30/16 2:58 pm Shauntae Ellis (smetg6):  
Approved for CCC Secretary

3. 08/30/16 3:28 pm  
 dewittp:  
 Approved for Arts  
 & Humanities  
 DSCC Chair

The course focuses on acquisition of advanced Russian scientific vocabulary for STEM disciplines and development of practical skills in translating, discussion, and interpreting advanced Russian scientific texts. The final research project is required.

#### Prerequisites

Russian 1180 or above

#### Field Trip

Statement

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

Total: 3

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

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

#### Justification for new course:

To expand the Russian curriculum; to allow seniors /graduate students to work with Russian scientific vocabulary for STEM disciplines in research oriented settings.

#### Semesters previously offered as an experimental course

Fall 2015 (2 students) and Fall 2016 (1 student).

#### Co-Listed

Courses:

Course Reviewer  
Comments

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Key: 4329

[Preview Bridge](#)



# Course Inventory Change Request

## New Course Proposal

Date Submitted: 07/20/16 5:46 pm

Viewing: **THEATRE 3245 : Voice, Diction and Interpretation**

File: 4324

Last edit: 08/25/16 8:55 am

Changes proposed by: stanleyje

Requested	Spring 2017
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Theatre (THEATRE)
Course Number	3245
Title	Voice, Diction and Interpretation
Abbreviated Course Title	Voice & Diction

Catalog Description

### In Workflow

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

### Approval Path

1. 07/22/16 1:11 pm audram:  
Approved for RPHILOSO Chair
2. 07/25/16 9:21 am Shauntae Ellis (smetg6):  
Approved for CCC Secretary

3. 07/25/16 9:41 am  
dewittp: Rollback  
to RPHILOSO  
Chair for Arts &  
Humanities DSCC  
Chair
4. 08/25/16 8:55 am  
audram:  
Approved for  
RPHILOSO Chair
5. 08/30/16 2:59 pm  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary
6. 08/30/16 3:29 pm  
dewittp:  
Approved for Arts  
& Humanities  
DSCC Chair

Training the speaking voice; study of vocal mechanism, breathing, projection, articulation, enunciation; practical application of speaking principles in oral interpretation reading; mastering clarity and variation of speech through vocal exercises.

#### Prerequisites

None

#### Field Trip

#### Statement

Students will attend one on-campus play to review the speech of one of the actors

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

Total: 3

Required for      No

#### Majors

Elective for            No  
Majors

---

Justification for  
new course:

Used as an alternative or addendum to speech courses, Voice, Diction, & Interpretation delves more into biological components and how to create an interesting, engaging voice and body language through readings. No memorization is necessary. Enrollment was close to full each time Voice, Diction and Interpretation, Th 2001 (the EC course) was taught in 2013 and 2016. The cross list SP&M in 2016 brought students that don't normally engage in theatre courses to Castleman, and three of those students chose to get involved in theatre productions.

Semesters  
previously  
offered as an  
experimental  
course

SP 2013 SP 2016

Co-Listed

Courses:

SP&M S 2001 - Special Topics

---

Course Reviewer

Comments

**audram (07/20/16 4:41 pm):** This sentence in the "justification" part is unclear: "Enrollment was close to full for each course." Which course are you talking about? Please include the title and course number.

**audram (07/20/16 4:43 pm):** Rollback: Hi Jeanne. I made a few very minor editorial changes. There is a sentence that is unclear in the justification part. Which course are you referring to regarding the full sections? Please edit this to provide specifics (name of course and course number). Thanks!

**dewittp (07/25/16 9:41 am):** Rollback: Rollback because CC forms require that the department select a permanent course number from your still available course numbers (never used or deactivated previously) reflecting the level of students who

will attend and the difficulty of the course. The 2001 number is strictly for experimental courses.

## Program Change Request

Date Submitted: 04/25/16 3:19 pm

Viewing: **PHIL-BS : Philosophy BS**

File: 233.3

Last approved: 07/21/15 12:22 pm

Last edit: 08/31/16 1:34 pm

Changes proposed by: dittmerj

Catalog Pages

Using this

Program

[Philosophy](#)

Start Term            Fall **2017** ~~2015~~

Program Code        PHIL-BS

Department          Arts, Languages, & Philosophy

Title  
Philosophy BS

## Program Requirements and Description

### Bachelor of Science Philosophy

A minimum of 120 credit hours is required for a bachelor of science degree in philosophy, and a grade point average of 2.0 must be obtained. These requirements for the B.S. are in addition to credit received for basic ROTC.

The B.S. in philosophy degree requires the following:

1. **ENGLISH 1120** ~~ENGLISH 1120~~ (entering students will normally take **ENGLISH 1120** ~~ENGLISH 1120~~ within their first year of study.) (3 hours)

2. Sciences. A total of 24 hours in biological, physical (chemistry, geology, and physics), and mathematical (mathematics, statistics, computer science, and information science and technology) sciences is required. A course from each of the biological and physical sciences is required. Students have to take two math or statistics courses; both must be at the level of college algebra or higher. At

### In Workflow

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

### Approval Path

1. 08/25/16 9:01 am audram: Approved for RPHILOSO Chair
2. 08/31/16 1:34 pm Shauntae Ellis (smetg6): Approved for CCC Secretary
3. 08/31/16 2:00 pm dewittp: Approved for Arts & Humanities DSCC Chair

### History

1. Apr 16, 2014 by lahne
2. Oct 20, 2014 by pantaleoa
3. Jul 21, 2015 by pantaleoa

least one hour of lab coursework is required. Students may count up to 12 hours of engineering courses, at the discretion of the major advisor. Also, students may count up to 3 hours from the following list, but which may not be used to satisfy another requirement:

History of science and technology classes (~~HISTORY 2510~~, ~~HISTORY 3510~~, ~~HISTORY 2510~~, ~~HISTORY 3510~~, and ~~HISTORY 2530~~), ~~PHILOS 4345~~, ~~HISTORY 2530~~, ~~PHILOS 4345~~, or ~~PHILOS 3254~~ ~~PHILOS 3254~~ (24 hours)

3. Social Sciences. A total of 15 hours in social sciences is required. At least one course from two of the four areas must be taken: economics, sociology/anthropology, history/political science, and psychology. Six (6) hours from the biological, physical, and mathematical science, as well as engineering, not already used for the science requirement, may be substituted for 3 hours of social sciences; this substitution is only permitted once, unless allowed at the discretion of the major advisor. (15 hours)

4. Humanities. A total of 12 hours in humanities other than philosophy is required. Courses may be taken in literature, foreign/modern languages, speech and media studies, art, music, or theater. Three (3) hours from history not used for the social science requirement, and not ~~HISTORY 1300~~ ~~HISTORY 1300~~ or ~~HISTORY 1310~~, ~~HISTORY 1310~~, may be used to fulfill this requirement. (12 hours)

5. Two (2) Communication Intensive courses are required; waiving and substitutions are at the discretion of the student's advisor.

6. Minor: A minor will be selected from any discipline other than the major with approval of the major advisor. A total of at least 15 hours is required for the minor, but may include courses which also satisfy other requirements. At least nine hours must be beyond the introductory level.

7. Basic ROTC may be elected in the freshman and sophomore years, but is not creditable toward the B.S. in philosophy degree. Six credit hours of advanced ROTC may be credited toward this degree.

8. Elective Credits: In consultation with her/his advisor, each student will elect sufficient additional courses to complete a minimum of 120 credit hours which may include ~~MATH 1120~~ ~~MATH 1120~~ or ~~MATH 1140~~ ~~MATH 1140~~ and ~~MATH 1160~~. ~~MATH 1160~~.

9. Philosophy: A total of at least 30 hours of philosophy courses is required. This is to include ~~PHILOS 1105~~, ~~PHILOS 1115~~, ~~PHILOS 1105~~, ~~PHILOS 1115~~, and at least 12 hours at the 4000-level, although substitutions may be permitted at the discretion of the major advisor. All philosophy work must accumulate to at least a 2.0 grade point average.

## Justification for request

See attached document for requested change, as well as for justification. (Justification: The current required course is no longer offered by our faculty; suitable and more appropriate alternative courses are offered regularly.)

## Supporting Documents

## Course Reviewer Comments

**smetg6 (08/31/16 1:34 pm):** Changed Start Term to Fall 2017 from 2015

# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 08/30/16 11:11 pm

Viewing: **ENGLISH 3001.001 : Extreme Nature and the Supernatural in Iceland**

File: 4330

Last edit: 09/01/16 12:45 pm

Changes proposed by: bryane

Requested	Summer 2017
Effective Change Date	
Department	English and Technical Communication
Discipline	English (ENGLISH)
Course Number	3001
Topic ID	001
Experimental Title	Extreme Nature and the Supernatural in Iceland
Experimental Abbreviated Course Title	Supernatural in Iceland
Instructors	Eric Bryan

Experimental Catalog Description

In Workflow

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

Approval Path

1. 08/31/16 4:49 pm  
kswenson:  
Approved for  
RENLISH Chair
2. 09/01/16 12:45 pm  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary
3. 09/01/16 5:48 pm  
dewittp:  
Approved for Arts  
& Humanities  
DSCC Chair

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This course will explore how Iceland's stark landscape influenced the country's myth and folklore. Old Norse mythology will be read alongside Icelandic folklore that reflects ongoing tensions between pagan and Christian belief systems in a land where dramatic nature makes the supernatural natural.

#### Prerequisites

None

#### Field Trip

#### Statement

There are study abroad charges associated with this course.

Credit Hours

LEC: 3

LAB: 0

IND: 0

RSD: 0

Total: 3

---

#### Justification for

new course:

Faculty Led Study Abroad course to be conducted in Iceland during the Summer 2017 semester.

#### Semester(s)

previously taught

None

#### Co-Listed

Courses:

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#### Course Reviewer

#### Comments

**smetg6 (09/01/16 12:45 pm):** Added topic ID number and that there is a required charge

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# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 08/31/16 11:39 am

Viewing: **ENGLISH 3001.002 : The Grammatical Structure of English**

File: 4331

Last edit: 09/12/16 1:01 pm

Changes proposed by: kswenson

Requested	Spring 2017
Effective Change Date	
Department	English and Technical Communication
Discipline	English (ENGLISH)
Course Number	3001
Topic ID	002
Experimental Title	The Grammatical Structure of English
Experimental Abbreviated Course Title	English Grammar
Instructors	Sarah Hercula

Experimental Catalog Description

In Workflow

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

Approval Path

1. 08/31/16 4:49 pm  
kswenson:  
Approved for  
RENLISH Chair
2. 09/01/16 11:54 am  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary
3. 09/01/16 12:32 pm  
dewittp:  
Approved for Arts

The Grammatical Structure of English takes a descriptive linguistic approach to the analysis of the grammatical structure of Modern American English with a focus on morphology and syntax.

#### Prerequisites

English 1120 or equivalent.

#### Field Trip

#### Statement

#### Credit Hours

LEC: 3

LAB: 0

IND: 0

RSD: 0

Total: 3

---

#### Justification for

#### new course:

We have received an increasing number of requests for a grammar course from both English majors (especially English education majors) and non-majors. Dr. Hercula is a linguistics and ESL specialist, so we envision this course helping international students as well.

#### Semester(s)

#### previously taught

n/a

#### Co-Listed

#### Courses:

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#### Course Reviewer

#### Comments

**smetg6 (09/01/16 11:54 am):** Added Topic ID Number

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# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 08/31/16 4:41 pm

Viewing: **ENGLISH 3001.003 : The Icelandic Hero and Outlaw**

File: 4332

Last edit: 09/01/16 12:46 pm

Changes proposed by: cotteril

Requested	Summer 2017
Effective Change Date	
Department	English and Technical Communication
Discipline	English (ENGLISH)
Course Number	3001
Topic ID	003
Experimental Title	The Icelandic Hero and Outlaw
Experimental Abbreviated Course Title	Iceland's Hero as Outlaw
Instructors	Anne Cotterill

Experimental Catalog Description

In Workflow

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

Approval Path

1. 08/31/16 4:49 pm  
kswenson:  
Approved for  
RENLISH Chair
2. 09/01/16 12:47 pm  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary
3. 09/01/16 5:48 pm  
dewittp:  
Approved for Arts  
& Humanities  
DSCC Chair

---

This course will trace the development of the complex figures of hero and outlaw (and why they're often the same) within Icelandic literature, past and present, and their relationship to the powerful natural world of Iceland.

#### Prerequisites

None

#### Field Trip

#### Statement

There are study abroad charges associated with this course.

#### Credit Hours

LEC: 3

LAB: 0

IND: 0

RSD: 0

Total: 3

---

#### Justification for

new course:

To be taught as part of a faculty-led study abroad program to be held in Iceland during summer 2017.

#### Semester(s)

previously taught

None

#### Co-Listed

Courses:

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#### Course Reviewer

Comments

**smetg6 (09/01/16 12:00 pm):** Changed the topic id number

**smetg6 (09/01/16 12:46 pm):** Add the Topic ID Number and there there is an associated cost

---

# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 08/26/16 2:50 pm

Viewing: **GEO ENG 5001.001 : Renewable Energy in Nicaragua**

File: 4327

Last edit: 08/30/16 3:03 pm

Changes proposed by: jguggenb

Requested Summer 2017

Effective Change

Date

Department Geosciences and Geological and Petroleum Engineering

Discipline Geological Engineering (GEO ENG)

Course Number 5001

Topic ID 001

Experimental

Title

Renewable Energy in Nicaragua

Experimental Ren Energy: Nicaragua

Abbreviated

Course Title

Instructors Joe Guggenberger

Experimental

Catalog

Description

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. Registrar

Approval Path

1. 08/26/16 10:07 pm  
ikuenobe:  
Approved for  
RGEOSENG Chair
2. 08/30/16 3:03 pm  
Shauntae Ellis  
(smetg6):  
Approved for CCC  
Secretary
3. 09/08/16 10:52 am  
sraaper: Approved  
for Engineering  
DSCC Chair

This study abroad course is taken in conjunction with SP&MS 3235. This course will introduce students to the fundamentals of renewable energy systems, and their application to solving energy needs in developing countries. Topics covered include photovoltaic, wind, geothermal, and other alternative energy technologies as they are used throughout Nicaragua.

#### Prerequisites

None

#### Field Trip

#### Statement

Approximate cost of \$5500. This includes 6 hours tuition (with SP&MS 3235), program fees, airfare, lodging, most food, Spanish immersion classes, excursions, supplies, etc.

Credit Hours

LEC: 3.0

LAB: 0

IND: 0

RSD: 0

Total: 3.0

---

Justification for  
new course:

This course is part of a new study abroad program.

Semester(s)

previously taught

None

Co-Listed

Courses:

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Course Reviewer

Comments

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# Course Inventory Change Request

## New Experimental Course Proposal

Date Submitted: 08/25/16 7:48 pm

Viewing: **MKT 5001.001 : Marketing Analytics**

File: 4326

Last edit: 09/08/16 1:10 pm

Changes proposed by: barryf

Requested Spring 2017

Effective Change

Date

Department Business and Information Technology

Discipline Marketing (MKT)

Course Number 5001

Topic ID 001

Experimental

Title

Marketing Analytics

Experimental Marketing Analytics

Abbreviated

Course Title

Instructors Dr. Fukawa

Experimental

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. Registrar

Approval Path

1. 08/25/16 8:58 pm

siauk: Approved

for RBUSADMN

Chair

2. 08/30/16 3:02 pm

Shauntae Ellis

(smetg6):

Approved for CCC

Secretary

3. 09/08/16 1:10 pm

barryf: Approved

for Social

Sciences DSCC

Chair

In this course, we will discuss the challenges that companies face in extracting insights from Big Data and utilizing these insights to implement innovation in various marketing activities. Additionally, we will explore various approaches and methods of analyzing Big Data. The course will include both lectures and case studies.

#### Prerequisites

BUS 6622 or both MKT 3110 and STAT 3111

#### Field Trip

#### Statement

Credit Hours

LEC: 3

LAB: 0

IND: 0

RSD: 0

Total: 3

---

#### Justification for

#### new course:

It becomes progressively more difficult to capture, store, and analyze consumer Big Data. Moreover, it is unclear to what extent firms are taking decisive action to implement the marketing interpretations of Big Data insight. Much of this marketing interpretation has been tactical, rather than strategic in nature. Thus, some firms face challenges in fully taking advantage of the benefit from Big Data. As a result, companies are looking to hire marketing consultants/analysts who are capable not only of analyzing Big Data, but also of understanding the strategic implications of Big Data.

#### Semester(s)

#### previously taught

None

#### Co-Listed

#### Courses:

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#### Course Reviewer

#### Comments

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