Campus Curricula Committee Meeting Agenda
April 5, 2017
3:00-4:30 p.m., 216 Parker Hall
(For Faculty Senate Meeting of April 20, 2017)

Discussion of Prerequisite Enforcement

Review of submitted Course Change forms:

File#: 1712.5	BIO SCI 2372: Issues in Public Health
File#: 4406	BUS 5230: Financial Statement Analysis
File#: 2456.1	CHEM 4630: Introduction to Bio-Nanotechnology
File#: 398.1	CHEM 5630: Biochemical Nanotechnology
File#: 1289.1	ECON 5330: Econometric Methods
File#: 2400.9	EDUC 3222: Geometric Concepts for Elementary Teachers
File#: 4401	ENGLISH 2411: Costa Rica in Text
File#: 4407	IS&T 5520: Data Methodologies in Python
File#: 4394	MECH ENG 6585: Advanced Optical Materials and Structures
File#: 1786.4	PHILOS 4399: Topics in Philosophy
File#: 2342.5	PSYCH 5010: Introduction to Industrial/Organizational Psychology

Review of submitted Degree Change forms:

File#: 139.4	GS ECON-MI: Global Sustainable Economics Minor

Review of submitted Experimental Course forms:

File#: 4396	AERO ENG 6001.002: Electric Space Propulsion
File#: 4411	ALP 2001.001: The Global Village
File#: 4369	ART 3001.004: Advanced Art Studio
File#: 4374	CHEM ENG 5001.002: Applied Numerical Methods for CFD
File#: 4393	COMP SCI 6001.002: Special Topics in Real-Time and Cyber-Physical Systems
File#: 4395	MECH ENG 6001.003: Advanced Computational Thermofluid Mechanics
File#: 4402	STAT 6001.003: Survival Analysis

Review of tabled items:

File#: 1974.1	MET ENG 1210: Chemistry of Materials

Course Inventory Change Request

Date Submitted: 02/18/17 10:54 am

Viewing: BIO SCI 2372 : Issues in Public Health

File: 1712.5

Last approved: 05/01/14 4:14 am

Last edit: 02/27/17 10:21 am

Changes proposed by: huangy

Programs referencing this course

COMP HEALTH-MI: Computational Health

HUM ENG-MI: Humanitarian Engineering and Science Minor

Requested Effective Change Date	Fall **2017** ~~2014~~
Department	Biological Sciences
Discipline	Biological Sciences (BIO SCI)
Course Number	2372
Title	Issues in Public Health
Abbreviated Course Title	Issues in Public Health

Catalog Description

In Workflow

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

Approval Path

1. 02/24/17 10:34 pm
   David Westenberg (djwesten): Approved for RBIOLSCI Chair
2. 02/27/17 10:06 am
   Kristy Giacomelli

(kristyg): Approved for CCC Secretary
3. 03/07/17 11:24 am Ilene Morgan (imorgan): Approved for Sciences DSCC Chair
4. 03/14/17 9:57 am Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

History

1. May 1, 2014 by shannonk (1712.1)

Issues in Public Health investigates chronic and infectious diseases and the impact of globalization on such diseases, environmental toxins, and controversies in public health. Students will develop an awareness of current public health issues and trends in order to make informed arguments and personal choices.

Prerequisites

Bio Sci 1113 or Bio Sci 1213.

Field Trip
Statement

Credit Hours LEC: 3 ~~2~~ LAB: 0 IND: 0 RSD: 0

Total: 3 ~~2~~

Required for Majors	No
Elective for Majors	Yes

Justification for change:

There are numerous topics related to public health. Students have been wanting to learn more contemporary issues in public health. Therefore, more course contents will be added, and the total credit hour of the course shall increase from 2 to 3 credit hours.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

imorgan (02/27/17 10:21 am): Changed effective date to Fall 2017.

Key: 1712

Preview Bridge

Course Inventory Change Request

New Course Proposal

Date Submitted: 03/08/17 3:42 pm

Viewing: **BUS 5230 : Financial Statement Analysis**

File: 4406

Last edit: 03/08/17 3:42 pm

Changes proposed by: barryf

Requested Effective Change Date	Fall 2017
Department	Business and Information Technology
Discipline	Business (BUS)
Course Number	5230
Title	Financial Statement Analysis
Abbreviated Course Title	Financial Stmt Analysis

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. lshelton
11. Peoplesoft

Approval Path

1. 03/08/17 3:45 pm siauk: Approved for RBUSADMN Chair
2. 03/08/17 3:45 pm Kristy Giacomelli (kristyg): Approved for CCC Secretary

3. 03/08/17 5:07 pm Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
4. 03/14/17 10:00 am Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

Analysis and interpretation of financial statements for profitability analysis, credit analysis, and other business analyses that rely on financial data. Introduces emerging roles of accounting analytics. Illustrates data analytics concepts and techniques to detect earning management, predict fraud, and to provide insights into other business strategies.

Prerequisites
FIN 2150 or Graduate Standing

Field Trip Statement

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

Justification for new course:
Taught F15 and F16 as BUS 5001.

Semesters previously offered as an experimental course

F15 (13) & F16 (7)

Co-Listed Courses:

Course Reviewer Comments

Key: 4406

Preview Bridge

Course Inventory Change Request

Date Submitted: 02/14/17 3:22 pm

Viewing: **CHEM 4630 : Introduction to Bio-Nanotechnology ~~Industrial Biochemistry~~**

File: 2456.1

Last edit: 03/07/17 11:25 am

Changes proposed by: wangri

Requested Effective Change Date	Fall **2017** ~~2014~~
Department	Chemistry
Discipline	Chemistry (CHEM)
Course Number	4630
Title	**Introduction to Bio-Nanotechnology** ~~Industrial Biochemistry~~
Abbreviated Course Title	**Bio-Nanotechnology** ~~Industrial Biochemistry~~
Catalog Description	

In Workflow

1. **RCHEMIST 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. lshelton
11. Peoplesoft

Approval Path

1. 02/15/17 10:42 pm
   woelk (woelkk): Approved for RCHEMIST Chair
2. 02/21/17 3:12 pm
   Kristy Giacomelli (kristyg): Approved for CCC Secretary

3. 03/07/17 11:25 am Ilene Morgan (imorgan): Approved for Sciences DSCC Chair
4. 03/14/17 10:02 am Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

This course will educate on ~~A study of~~ the **interdisciplinary areas of bio-nanotechnology.** ~~problems involved in the utilization of biological systems for the production of bulk chemicals, the preparation of biologicals and the treatment of waste from plants producing biologicals and foodstuffs.~~ **Goal is for students to understand how biomacromolecules such as nucleic acids, proteins, and lipids self-assemble to form the functional units of an intact cell. Emphasis will be on current application in DNA/protein nanotechnology, drug delivery and environmental biosensors.**

Prerequisites

At least junior standing. ~~Junior standing.~~

Field Trip Statement

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

Justification for change:

Update course title and content to reflect current developments in biotechnology and biochemical industry in the areas of nanotechnology and environment.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

woelkk (02/03/17 3:28 pm): Please see changes and resubmit if you agree.

woelkk (02/03/17 3:29 pm): Rollback: please review changes and resubmit if you agree

imorgan (02/14/17 3:19 pm): Rollback: to make more of a distinction between 4630 and 5630.

imorgan (02/27/17 10:23 am): Marked elective for majors.

imorgan (03/07/17 11:25 am): Based on previous CCC discussions, changed "junior standing" to "at least junior standing".

Key: 2456

Preview Bridge

Course Inventory Change Request

Date Submitted: 02/14/17 3:41 pm

Viewing: **CHEM 5630 : Biochemical Nanotechnology ~~Processing~~**

File: 398.1

Last edit: 03/07/17 11:26 am

Changes proposed by: wangri

Requested Effective Change Date	Fall **2017** ~~2014~~
Department	Chemistry
Discipline	Chemistry (CHEM)
Course Number	5630
Title	Biochemical **Nanotechnology** ~~Processing~~
Abbreviated Course Title	**Bio-Nanotechnology** ~~Biochemical Processing~~

Catalog Description

In Workflow

1. **RCHEMIST 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. lshelton
11. Peoplesoft

Approval Path

1. 02/15/17 10:44 pm
   woelk (woelkk): Approved for RCHEMIST Chair
2. 02/21/17 3:12 pm
   Kristy Giacomelli (kristyg): Approved for CCC Secretary

3. 03/07/17 11:26 am
   Ilene Morgan (imorgan): Approved for Sciences DSCC Chair
4. 03/14/17 10:03 am
   Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

This course will educate on ~~A study of~~ the **interdisciplinary areas of bio-nanotechnology.** ~~problems involved in the utilization of biological systems for the production of bulk chemicals, the preparation of biologicals and the treatment of waste from plants producing biologicals and foodstuffs.~~ **Student will investigate the potential of nanoscience in advanced applications including DNA/protein nanotechnology, drug delivery, environmental biosensor and emerging biotechnology industries.** Credit may not be given for both Chem 5630 and Chem 4630.

Prerequisites

At least junior standing. ~~Junior standing.~~

Field Trip Statement

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

Justification for change:

Update course title and content to reflect current developments in biotechnology and biochemical industry on the areas of nanotechnology and environment.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

woelkk (02/03/17 3:44 pm): Rollback: No two courses can have the same title. Please review my edits and resubmit if you agree.

imorgan (02/14/17 3:20 pm): Rollback: to make more of a distinction between 4630 and 5630.

imorgan (02/27/17 10:26 am): Marked elective for majors.

imorgan (03/07/17 11:26 am): Based on recent CCC discussions, changed "junior standing" to "at least junior standing".

Key: 398

Preview Bridge

Course Inventory Change Request

Date Submitted: 02/22/17 5:40 pm

Viewing: **ECON 5330 ~~4330~~ : Econometric Methods ~~Econometrics~~**

File: 1289.1

Last edit: 02/22/17 5:40 pm

Changes proposed by: marcys

Requested Effective Change Date	Fall **2017** ~~2014~~
Department	Economics
Discipline	Economics (ECON)
Course Number	**5330** ~~4330~~
Title	**Econometric Methods** ~~Econometrics~~
Abbreviated Course Title	**Econometric Methods** ~~Econometrics~~

Catalog Description

In Workflow

1. **RECONOMI 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. lshelton
11. Peoplesoft

Approval Path

1. 02/23/17 10:03 am
   Gregory Gelles (gelles): Approved for RECONOMI Chair
2. 02/27/17 10:06 am
   Kristy Giacomelli (kristyg):

Approved for CCC Secretary
3. 03/01/17 1:54 pm Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
4. 03/14/17 10:12 am Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

A survey of econometric topics and methods illustrated through real world applications. Includes ~~Applied statistical analysis of economic phenomena, including identification,~~ least squares **estimation, generalized least squares, two-stage least squares, simultaneous equations models, panel data** ~~bias,~~ and **qualitative choice models.** ~~autocorrelation with emphasis on recent estimation procedures.~~ **Students will use modern statistical software packages (STATA, R) to perform hands-on quantitative analysis.**

Prerequisites

Econ 2100 and 2200, Stat **3111 or 3113 or 3115 or 3117 or 5643.** ~~1115 & 1116, Econ 2100 and 2200.~~

Field Trip Statement

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

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

Justification for change:

This is an advanced quantitative methods course for students interested in developing research skills in economics. The catalog number, title and description are being revised to accurately reflect the level, updated content, and use of current software. Although this course has not been taught in recent years, it is being reintroduced into the economics curriculum and will be offered once a year during the spring semester.

Semesters previously offered as an experimental course

Has not been taught in recent years.

Co-Listed Courses:

Course Reviewer Comments

Key: 1289

Preview Bridge

Course Inventory Change Request

Date Submitted: 02/13/17 10:31 am

Viewing: EDUC 3222 ~~2222~~ : Geometric Concepts for Elementary Teachers

File: 2400.9

Last approved: 12/14/16 3:14 am

Last edit: 02/13/17 10:31 am

Changes proposed by: fulliamm

Requested Effective Change Date	**Fall 2017** ~~Spring 2016~~
Department	Arts, Languages, & Philosophy
Discipline	Education (EDUC)
Course Number	**3222** ~~2222~~
Title	Geometric Concepts for Elementary Teachers
Abbreviated Course Title	Geom Concepts Elem Tch

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. lshelton
11. Peoplesoft

Approval Path

1. 03/06/17 7:50 am Audra Merfeld-Langston (audram): Approved for RPHILOSO Chair
2. 03/08/17 11:12 am Kristy Giacomelli

(kristyg): Approved for CCC Secretary
3. 03/09/17 1:12 pm Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 03/14/17 10:13 am Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

History

1. Dec 14, 2016 by welchms (2400.1)

The course covers methods of teaching the study of points, lines, polygons, similarity, congruence, constructions, and proof in Euclidean Plane Geometry. Transformational geometry and trigonometry are introduced to elementary teachers.

Prerequisites

Math 1120 or Math 1140.

Field Trip Statement

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

Elective for Majors	No

Justification for change:

Due to changes with DESE certification requirements, we need to change this to a 3000 level course, from EDUC 2222 to EDUC 3222.

Semesters previously offered as an experimental course

Co-Listed Courses:

MATH 3922 - Geometric Concepts for Elementary Teachers

Course Reviewer Comments

Key: 2400

Preview Bridge

Course Inventory Change Request

New Course Proposal

Date Submitted: 02/24/17 3:18 pm

Viewing: **ENGLISH 2411 : Costa Rica in Text**

File: 4401

Last edit: 02/24/17 3:18 pm

Changes proposed by: kswenson

Requested Effective Change Date	Fall 2017
Department	English and Technical Communication
Discipline	English (ENGLISH)
Course Number	2411
Title	Costa Rica in Text
Abbreviated Course Title	Costa Rica in Text

Catalog Description

In Workflow

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

Approval Path

1. 02/24/17 3:19 pm Kristine Swenson (kswenson): Approved for RENGLISH Chair
2. 02/27/17 10:06 am Kristy Giacomelli (kristyg):

Approved for CCC Secretary

3. 02/27/17 7:36 pm
   Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 03/14/17 10:13 am
   Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

Three-week study abroad trip in Costa Rica (late May-early June) in which students conduct primary research on environmental rhetoric. Assignments include analytical projects based on interviews, visual evidence, archival research, and first-hand observations.

Prerequisites
English 1120

Field Trip Statement

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

Justification for new course:

This course is to be part of the new LASTA minor. Dolan and Northcut were awarded a $5000 CERTI grant to develop it for the minor.

Semesters previously offered as an experimental course

N/A

Co-Listed Courses:

TCH COM 2411 - Course Not Found

Course Reviewer Comments

Key: 4401

Preview Bridge

Course Inventory Change Request

New Course Proposal

Date Submitted: 03/08/17 3:23 pm

Viewing: **IS&T 5520 : Data Methodologies in Python**

File: 4407

Last edit: 03/08/17 3:23 pm

Changes proposed by: barryf

Programs referencing this course

ANA&DTA-MI: Business Analytics and Data Science Minor

Requested Effective Change Date	Fall 2017
Department	Business and Information Technology
Discipline	Info Science & Technology (IS&T)
Course Number	5520
Title	Data Methodologies in Python
Abbreviated Course Title	Data Methods in Python

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. lshelton
11. Peoplesoft

Approval Path

1. 03/08/17 3:44 pm siauk: Approved for RINFSCTE Chair
2. 03/08/17 3:45 pm Kristy Giacomelli (kristyg): Approved for CCC Secretary

3. 03/08/17 5:07 pm
   Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
4. 03/14/17 10:14 am
   Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

Python methodologies for manipulating, processing, cleaning, grouping, slicing, reshaping and summarizing information in data-intensive applications; managing files, scraping web pages, mining social media; describing, modeling, analyzing, and visualizing data. Tools include pandas, NumPy, SciPy, and Matplotib libraries.

Prerequisites

One of Stat 3111, Stat 3113, Stat 3115, Stat 3117 and either IS&T 1552 or Comp Sci 1510; for Graduate Students: Graduate Standing and Knowledge of Calculus, Statistics, and Programming.

Field Trip Statement

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

Justification for new course:

Taught in Sp 16 & Sp17

Semesters previously offered as an experimental course

Sp16 & Sp17

Co-Listed Courses:

Course Reviewer Comments

Key: 4407

Preview Bridge

Course Inventory Change Request

New Course Proposal

Date Submitted: 02/07/17 2:47 pm

Viewing: **MECH ENG 6585 : Advanced Optical Materials and Structures**

File: 4394

Last edit: 02/22/17 11:32 am

Changes proposed by: nisbett

Requested Effective Change Date	Fall 2017
Department	Mechanical & Aerospace Engineering
Discipline	Mechanical Engineering (MECH ENG)
Course Number	6585
Title	Advanced Optical Materials and Structures
Abbreviated Course Title	Adv Optical Materials

Catalog Description

In Workflow

1. RMECHENG 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. lshelton
11. Peoplesoft

Approval Path

1. 02/07/17 2:56 pm James Drallmeier (drallmei): Approved for RMECHENG Chair
2. 02/09/17 11:18 am Lahne Black (lahne): Approved for CCC Secretary

3. 02/22/17 11:32 am
   sraper: Approved for Engineering DSCC Chair
4. 03/14/17 10:15 am
   Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

Fundamental principles and advanced topics in optical materials and structures covering areas of photonics, plasmonics and metamaterials, and nanofabrication techniques.

Prerequisites

Elec Eng 5200 or equivalent.

Field Trip Statement

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

Justification for new course:

This course has been taught twice. It is an important area of research that encompasses Mechanical Engineering, as well as interdisciplinary interests.

Semesters previously

offered as an experimental course

Fall 2015 (9 enrolled students), Fall 2016 (8 enrolled students)

Co-Listed Courses:

Course Reviewer Comments

Key: 4394

Preview Bridge

Course Inventory Change Request

Date Submitted: 03/05/17 9:21 pm

Viewing: PHILOS 4399 : Topics in Philosophy

File: 1786.4

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

Last edit: 03/06/17 7:49 am

Changes proposed by: dittmerj

Requested Effective Change Date	Fall **2017** ~~2016~~
Department	Arts, Languages, & Philosophy
Discipline	Philosophy (PHILOS)
Course Number	4399
Title	Topics in Philosophy
Abbreviated Course Title	Topics in Philosophy

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. lshelton
11. Peoplesoft

Approval Path

1. 03/06/17 7:49 am Audra Merfeld-Langston (audram): Approved for RPHILOSO Chair
2. 03/08/17 11:13 am Kristy Giacomelli

(kristyg): Approved for CCC Secretary
3. 03/09/17 1:13 pm Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair
4. 03/14/17 10:15 am Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

History

1. May 24, 2016 by denises (1786.1)

This communication ~~An~~ intensive course **is** designed for students with a special interest in philosophy. The content of the course may vary and the course may be repeated for additional credit.

Prerequisites

Any 1000-level or higher Philosophy course.

Field Trip Statement

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

Elective for Majors	Yes

Justification for change:

A change has been made to make this a Communication Intensive course. The philosophy program needs a Communication Intensive course. The current Communication Intensive course, Philosophy of Religion, is not offered by any of our instructors, and has not been offered for at least 6 years.

This course, Phil 4399, is regularly offered, and requires a considerable amount of writing, discussion, and sometimes student presentations.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

Key: 1786

Preview Bridge

Course Inventory Change Request

Date Submitted: 02/27/17 1:37 pm

Viewing: **PSYCH 5010 : Introduction to ~~Seminar in~~ Industrial / Organizational Psychology**

File: 2342.5

Last approved: 01/13/17 3:14 am

Last edit: 02/27/17 1:37 pm

Changes proposed by: weidnern

Programs referencing this course

INORGPS-MS: Industrial Organizational Psychology MS

Other Courses referencing this course

In The Prerequisites:

PSYCH 6602 : Job Attitudes, Emotions, and Discretionary Behaviors

PSYCH 6610 : Leadership, Motivation, and Culture

Requested Effective Change Date	Fall 2017
Department	Psychological Science
Discipline	Psychology (PSYCH)
Course Number	5010
Title	

In Workflow

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

Approval Path

1. 02/27/17 3:26 pm murray: Approved for RPSYCHOL Chair
2. 02/27/17 3:28 pm Kristy Giacomelli (kristyg): Approved for CCC Secretary

Introduction to ~~Seminar in~~ Industrial / Organizational Psychology

Abbreviated Course Title: **Intro** ~~Seminar~~ I/O Psychology

Catalog Description

Review of the most recent theoretical and applied research in advanced personnel and organizational psychology. Topics will include personnel selection, training and performance appraisal, job attitudes, motivation, work groups and teams, leadership, organizational culture, and organizational development.

Prerequisites

Graduate standing.

Field Trip Statement

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

Total: **0** ~~3~~

Required for Majors: Yes

Elective for Majors: No

3. 03/01/17 1:53 pm Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
4. 03/14/17 10:16 am Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

History

1. Jan 13, 2017 by weidnern (2342.1)

Justification for change:

As part of the revisions to the Applied Workplace Psychology Graduate Certificate, it was recommended that we change this course from a seminar to a lecture. We would like to change the name from "Seminar in" to "Introduction to" which better captures the nature of the course.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

Key: 2342

Preview Bridge

Program Change Request

Date Submitted: 02/15/17 2:08 pm

Viewing: GS ECON-MI : Global Sustainable Economics Minor

File: 139.4

Last approved: 08/15/14 10:39 am

Last edit: 02/21/17 6:01 pm

Changes proposed by: marcys

Catalog Pages Using this Program

Economics

Start Term	Fall 2014
Program Code	GS ECON-MI
Department	Economics

Title

Global Sustainable Economics Minor

Program Requirements and Description

Global Sustainable Economics Minor

(15 hours)

In Workflow

1. **RECONOMI 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. 02/15/17 2:57 pm Gregory Gelles (gelles): Approved for RECONOMI Chair
2. 02/21/17 3:12 pm Kristy Giacomelli (kristyg): Approved for CCC Secretary
3. 03/01/17 1:57 pm Barry Flachsbart (barryf): Approved for Social Sciences DSCC Chair
4. 03/14/17 10:18 am Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

History

1. May 7, 2014 by Lahne Black (lahne)
2. May 7, 2014 by Lahne Black (lahne)

3. Aug 15, 2014 by pantaleoa

Required courses:		
ECON 1100 & ECON 2100	Principles Of Microeconomics and Intermediate Microeconomic Theory	6
or ECON 1200 & ECON 2200	Principles Of Macroeconomics and Intermediate Macroeconomic Theory	
ECON 4641	Foundations of Sustainability	3
And 6 hours from:		
ECON 3512/MIN ENG 3512	Mining Industry Economics	3
ECON 4440	Environmental And Natural Resource Economics	3
ECON 4642	Introduction to Global Eco- and Social-preneurship and Innovation	3
ECON 4643	**Ethical Problems in a Global Environment (Course was inadvertently left off when minor was created.)**	**3**
ECON 4730	Economic Development	3
ECON 4540	Energy Economics	3
ENV ENG 5640	Environmental Law And Regulations	3
ENV ENG 5642	Sustainability, Population, Energy, Water, and Materials	3
~~HISTORY 3470~~	~~Course HISTORY 3470 Not Found~~	~~3~~
PSYCH 4730	Environmental Psychology	3
HISTORY 4470	**American Environmental History**	**3**

Justification for request

History changed the course number of Hist 3470 to 4470. Also, when the Global minor was created, course number Econ 4643 should have been one of the courses included on the original document and somehow was inadvertently left off. We are correcting both these issues with this submission.

Supporting Documents

Course Reviewer Comments

barryf (02/21/17 6:01 pm): History course number change had not been fixed. Fixed it now.

Key: 139

Preview Bridge

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 02/08/17 5:02 pm

Viewing: **AERO ENG 6001.002 : Electric Space Propulsion**

File: 4396

Last edit: 02/22/17 11:25 am

Changes proposed by: nisbett

Requested Effective Change Date	Fall 2017
Department	Mechanical & Aerospace Engineering
Discipline	Aerospace Engineering (AERO ENG)
Course Number	6001
Topic ID	002
Experimental Title	Electric Space Propulsion
Experimental Abbreviated Course Title	Electric Space Propul.
Instructors	Dr. Josh Rovey

Experimental Catalog Description

In Workflow

1. **RMECHENG 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. 02/09/17 7:14 am James Drallmeier (drallmei): Approved for RMECHENG Chair
2. 02/09/17 11:03 am Lahne Black (lahne): Approved for CCC Secretary
3. 02/22/17 11:25 am sraper: Approved for Engineering DSCC Chair

4. 03/14/17 10:18 am
Kristy Giacomelli (kristyg):
Approved for Pending CCC Agenda post

Introduction to electric space propulsion, including electricity and magnetism, atomic physics, physics of ionized gases, plasmadynamics, non-equilibrium flows and electrothermal, electromagnetic and electrostatic acceleration of gases to high velocity, including resistojet, arcjet, ion engine, Hall thruster, MPD arc thruster, and electrospray propulsion.

Prerequisites

Aero Eng 5131 or Mech Eng 5131 or Aero Eng 5535 or Mech Eng 5535 or Aero Eng 5570 or Mech Eng 5570 or Nuc Eng 5570 or Phys 5570 or Aero Eng 6137 or Mech Eng 6137

Field Trip
Statement

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

Justification for new course:

This is an important area of research and development in space propulsion.

Create co-list: Mech Eng 6001

Semester(s) previously taught

None.

This course should also be colisted as Mech Eng 6001.

Co-Listed Courses:

Course Reviewer Comments

Key: 4396

Preview Bridge

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 03/09/17 9:18 am

Viewing: **ALP 2001.001 : The Global Village**

File: 4411

Last edit: 03/14/17 10:21 am

Changes proposed by: audram

Requested Effective Change Date	Fall 2017
Department	Arts, Languages, & Philosophy
Discipline	Arts, Languages & Philosophy (ALP)
Course Number	2001
Topic ID	001
Experimental Title	The Global Village
Experimental Abbreviated Course Title	The Global Village
Instructors	Audra Merfeld-Langston

Experimental 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. Registrar

Approval Path

1. 03/09/17 9:21 am Audra Merfeld-Langston (audram): Approved for RPHILOSO Chair
2. 03/09/17 10:32 am Kristy Giacomelli (kristyg): Approved for CCC Secretary
3. 03/09/17 1:11 pm Petra Dewitt (dewittp):

Approved for Arts & Humanities
DSCC Chair
4. 03/14/17 10:22 am
Kristy Giacomelli (kristyg):
Approved for Pending CCC Agenda post

Via coursework and travel abroad, this course will introduce students to the concept of global citizenship. Course goals include improving intercultural communication, critical thinking, and entrepreneurial skills, and preparing to be competent in the global workforce. The specific course focus will vary according to the study abroad travel destination.

Prerequisites

Permission of instructor

Field Trip

Statement

This course will require participation in a study abroad component, currently scheduled to take place during winter break to Martinique for approximately 16 days. Cost of the trip will be approximately $4000.

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

Total: 3

Justification for new course:

This course will provide experiential learning opportunities for students via faculty-led study abroad, provide practical activities related to several Residential Life Living Learning Communities (the Global Awareness LLC and the Entrepreneurship LLC) and students studying French, and contribute to the university's goal of doubling the number of students studying abroad by 2020 as part of the Generation Study Abroad initiative. The course will count towards the French minor, and the instructor will propose to the Global Studies minor committee that this course to count towards

the Global Studies minor; at a minimum, it will fulfill the experience abroad requirement for the Global Studies minor.

The course ties in with S&T's strategic plan, including themes 1.1, 1.2, 1.4, 1.5, 2.3, 3.5, 3.7, 4.6, and 4.9. The course also aligns with S&T's strategy statement, which includes "demonstrating our value added as a global university that integrates cross-cultural understanding in all aspects of our educational enterprise."

Semester(s) previously taught

Fall 2008, Spring 2009

Co-Listed Courses:

Course Reviewer Comments

kristyg (03/09/17 10:32 am): I edited this to 2001 based upon a conversation with Dr. Merfeld-Langston. This course was offered in 08 and 09 as a 2001.

Key: 4411

Preview Bridge

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 10/26/16 4:10 pm

Viewing: **ART 3001.004 : Advanced Art Studio**

File: 4369

Last edit: 03/14/17 10:22 am

Changes proposed by: bartonch

Requested Effective Change Date	Summer 2017
Department	Arts, Languages, & Philosophy
Discipline	Art (ART)
Course Number	3001
Topic ID	004
Experimental Title	Advanced Art Studio
Experimental Abbreviated Course Title	Advanced Art Studio
Instructors	Luce Myers

Experimental 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. Registrar

Approval Path

1. 11/14/16 1:54 pm Kristy Giacomelli (kristyg): Approved for RPHILOSO Chair
2. 11/14/16 1:56 pm Kristy Giacomelli (kristyg): Rollback to RPHILOSO Chair for CCC Secretary
3. 03/06/17 7:51 am Audra Merfeld-Langston (audram):

Approved for RPHILOSO Chair

4. 03/08/17 11:12 am
   Kristy Giacomelli (kristyg):
   Approved for CCC Secretary
5. 03/09/17 1:12 pm
   Petra Dewitt (dewittp):
   Approved for Arts & Humanities DSCC Chair
6. 03/14/17 10:23 am
   Kristy Giacomelli (kristyg):
   Approved for Pending CCC Agenda post

This course is for the advanced student in Sculpture, Painting or Drawing with similar topics in various chosen mediums.

Prerequisites

Sculpture I, Painting I, or Drawing I

Field Trip Statement

Credit Hours LEC: 1.5 LAB: 1.5 IND: 0 RSD: 0

Total: 3

Justification for new course:

The course combines the three courses that have been taught separately in the past to create one advanced course.

Semester(s) previously taught

Co-Listed Courses:

Course Reviewer Comments

kristyg (11/14/16 1:54 pm): I am sending this through as an EC form. It was formerly a CC form which it cannot be.

kristyg (11/14/16 1:56 pm): Rollback: Mistakenly put this through.

kristyg (03/08/17 11:12 am): I changed the effective date to Summer 2017 from Spring 2017.

Key: 4369

Preview Bridge

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 11/18/16 4:42 pm

Viewing: **CHEM ENG 5001.002 : Applied Numerical Methods for CFD**

File: 4374

Last edit: 03/14/17 10:24 am

Changes proposed by: marlene

Requested Effective Change Date	Fall 2017
Department	Chemical and Biochemical Engineering
Discipline	Chemical Engineering (CHEM ENG)
Course Number	5001
Topic ID	002
Experimental Title	Applied Numerical Methods for CFD
Experimental Abbreviated Course Title	Appl Numerical Methods
Instructors	Dr. Joseph D. Smith

Experimental Catalog Description

In Workflow

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

Approval Path

1. 01/25/17 4:11 pm Muthanna Al-Dahhan (aldahhanm): Approved for RCHEMENG Chair
2. 02/09/17 11:21 am Lahne Black (lahne): Approved for CCC Secretary
3. 02/22/17 11:31 am sraper: Approved for Engineering DSCC Chair

4. 03/14/17 10:24 am
Kristy Giacomelli (kristyg):
Approved for Pending CCC Agenda post

Understanding numerical methods on which CFD (Computational Fluid Dynamics) is based allows better understanding and judgement of simulation accuracy. Basic understanding of numerical methods used for inviscid flow parabolized and standard Navier-Stokes equations. Commercial code used to explore practical problems to gain understanding by student

Prerequisites

Graduate student standing or consent of instructor.

Field Trip
Statement

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

Justification for new course:

To prepare students for careers in industry.

Semester(s) previously taught

none

Co-Listed Courses:

Course Reviewer Comments

sraper (02/22/17 11:31 am): Edits to description and change effective date. There is concern with the stated prereq that needs to be discussed at CCC meeting.

Key: 4374

Preview Bridge

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 02/03/17 1:17 pm

Viewing: **COMP SCI 6001.002 : Special Topics in Real-Time and Cyber-Physical Systems**

File: 4393

Last edit: 02/09/17 11:23 am

Changes proposed by: tauritzd

Requested Effective Change Date	Fall 2017
Department	Computer Science
Discipline	Computer Science (COMP SCI)
Course Number	6001
Topic ID	002
Experimental Title	Special Topics in Real-Time and Cyber-Physical Systems
Experimental Abbreviated Course Title	Topics in RTS and CPS
Instructors	Zhishan Guo

Experimental 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. Registrar

Approval Path

1. 02/03/17 1:49 pm
   Sajal Das (sdas): Approved for RCOMPSCI Chair
2. 02/09/17 11:23 am
   Lahne Black (lahne): Approved for CCC Secretary
3. 02/22/17 11:31 am
   sraper: Approved for Engineering DSCC Chair
4. 03/14/17 10:25 am

Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

Cyber-physical systems are built from, and depend upon, the seamless integration of computational algorithms and physical components, where both logical and temporal (real-time) correctness need to be demonstrated. This course will focus on advanced workload models and the Mixed-Criticality design of such systems. Students will conduct semester projects.

Prerequisites

A "C" or better grade in both COMP SCI 3800 and COMP SCI 5200.

Field Trip Statement

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

Justification for new course:

The field of cyber-physical systems is quickly growing in importance and this course will expose students to the state-of-the-art and familiarize them with the particular research methods employed in this field.

Semester(s) previously taught

None

Co-Listed Courses:

Course Reviewer Comments

Key: 4393

Preview Bridge

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 02/07/17 4:29 pm

Viewing: **MECH ENG 6001.TBD : Advanced Computational Thermofluid Mechanics**

File: 4395

Last edit: 02/07/17 4:29 pm

Changes proposed by: nisbett

Requested Effective Change Date	Fall 2017
Department	Mechanical & Aerospace Engineering
Discipline	Mechanical Engineering (MECH ENG)
Course Number	6001
Topic ID	TBD
Experimental Title	Advanced Computational Thermofluid Mechanics
Experimental Abbreviated Course Title	Adv Comp Thermofluid
Instructors	Dr. Kelly Homan

Experimental Catalog Description

In Workflow

1. **RMECHENG 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. 02/07/17 4:38 pm James Drallmeier (drallmei): Approved for RMECHENG Chair
2. 02/09/17 11:28 am Lahne Black (lahne): Approved for CCC Secretary
3. 02/22/17 11:26 am sraper: Approved for Engineering DSCC Chair

Basic concepts of discretization, consistency and stability for model equations. Iterative solution methods (including multigrid), meshing and coordinate transformations. Application of computational methods to the Navier-Stokes equations, boundary layers, and turbulence modeling. Emphasis on open-source programming tools.

Prerequisites

Mech Eng 5131 or Aero Eng 5131; Mech Eng 5139 or Aero Eng 5139

Field Trip
Statement

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

Justification for
new course:

This is an important and practical topic for modeling and solving problems in thermofluid mechanics.

This course should be also colisted as Aero Eng 6001.

Semester(s)
previously taught

None

Co-Listed
Courses:

Course Reviewer
Comments

Key: 4395
Preview Bridge

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 02/26/17 6:25 pm

Viewing: **STAT 6001.003 : Survival Analysis**

File: 4402

Last edit: 03/14/17 10:32 am

Changes proposed by: imorgan

Requested Effective Change Date	Fall 2017
Department	Mathematics & Statistics
Discipline	Statistics (STAT)
Course Number	6001
Topic ID	003
Experimental Title Survival Analysis	
Experimental Abbreviated Course Title	Survival Analysis
Instructors	Dr. Akim Adekpedjou

Experimental 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. Registrar

Approval Path

1. 02/26/17 8:33 pm
   sclark: Approved for RMATHEMA Chair
2. 02/27/17 10:06 am
   Kristy Giacomelli (kristyg): Approved for CCC Secretary
3. 03/07/17 11:27 am
   Ilene Morgan (imorgan): Approved for

Sciences DSCC Chair
4. 03/14/17 10:32 am
Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

Analysis of (possibly incomplete) data representing the time to a well-defined event such as mechanical breakdown or insurance claim. Modeling and estimation of the distribution of time-to-event for a single group and comparison between two groups. Hazard functions, censoring and truncation. Nelson-Aalen and Kaplan-Meier estimators, Cox and frailty models.

Prerequisites

Stat 5643 and Stat 5644; prior exposure to MATLAB or R is recommended.

Field Trip Statement

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

Justification for new course:

Too much time has elapsed since the last experimental offering.

Semester(s) previously taught

SP 2008, FS 2010

Co-Listed Courses:

Course Reviewer Comments

Key: 4402

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 4810 : Chemistry And Inherent Properties Of Polymers

CHEM 5810 : Introduction to Polymeric Materials

CHEM 5850 : Introduction to Coating Chemistry

CHEM ENG 5320 : Introduction to Nanomaterials

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. lshelton
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

MET ENG 3220 : Introduction To Extractive Metallurgy
MET ENG 3330 : Metallurgical Thermodynamics I
MS&E 4810 : Chemistry And Inherent Properties Of Polymers
MS&E 5810 : Introduction to Polymeric Materials
MS&E 5850 : Intro to Coating Chemistry

3. 01/25/17 3:38 pm sraper: Approved for Engineering DSCC Chair
4. 02/14/17 11:20 am Kristy Giacomelli (kristyg): Approved for Pending CCC Agenda post

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

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 Total: 3	LEC: 3	LAB: 0	IND: 0	RSD: 0
Required for Majors	No			

Elective for Majors	No

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