

Minutes of the Campus Curricula Committee Meeting**November 3, 2014****2:30 p.m., 110H Bertelsmeyer Hall**

Attendees: Kaylon Buckner, Barry Flachsbarth (via phone), Kristy Giacomelli, Deanne Jackson, Irina Ivliyeva, Gearoid MacSithigh, Ilene Morgan, Steve Raper, Thomas Schuman, and Paul Worsey.

The following curriculum forms were discussed and approved:

Course Change Forms:

File #4108

File #4107

File #2560.1

File #1862.5

File #4114

File #4115

Experimental Course Forms:

File #4116 (approved as CC File #4141)

File #4124

File #4122

File #4117

File #4131

A mistake was discovered in approving File #s 2095.4, 268.7, 1746.1, & 2436.1 from the October 6th meeting. These course number changes were reversed.

The committee discussed the RP&A proposed motion on Prerequisites. Dr. Schuman, based on detailed CCC discussion with the Registrar and the campus coordinator for the recent campus-wide ABET audit, and in conjunction with additional feedback from the Registrar, will prepare a CCC response to the RP&A committee.

Dr. Schuman proposed a minimum Bachelor of Science Curriculum Standard that was unanimously approved for recommendation to RP&A for campus adoption.

The meeting adjourned at 4:00 p.m.



Thomas Schuman, Chair
Missouri S&T Campus Curricula Committee

Course Inventory Change Request

New Course Proposal

Date Submitted: 08/19/14 3:05 pm

Viewing: **CHEM 3459 : Accelerated Physical Chemistry Laboratory**

File: 4108

Last edit: 10/10/14 10:40 am

Changes proposed by: woelkk

| | | | | | |
|--|--|--------|--------|--------|----------|
| Programs referencing this course | CHEM-BS: Chemistry BS | | | | |
| Requested Effective Change Date | Spring 2015 | | | | |
| Department | Chemistry | | | | |
| Discipline | Chemistry (CHEM) | | | | |
| Course Number | 3459 | | | | |
| Title | Accelerated Physical Chemistry Laboratory | | | | |
| Abbreviated Course Title | Accelerated PChem Lab | | | | |
| Catalog Description | A combined and accelerated version of Chem 3419 and Chem 3429 consisting of exploratory physical chemistry experiments. | | | | |
| Prerequisites | Preceded or accompanied by both Chem 3420 and Chem 1100. | | | | |
| Field Trip Statement | | | | | |
| Credit Hours | LEC: 0 | LAB: 2 | IND: 0 | RSD: 0 | Total: 2 |
| Required for Majors | Yes | | | | |
| Elective for Majors | No | | | | |
| Justification for new course: | This accelerated course will allow the chemistry department to accommodate more students in the limited PChem laboratory space without sacrificing the quality of the learning experience (when compared to the individually taught labs Chem 3419 and Chem 3439). | | | | |
| Semesters previously offered as an experimental course | | | | | |

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. Ishelton
11. Peoplesoft

Approval Path

1. 08/19/14 4:13 pm
woelkk: Approved for RCHEMIST Chair
2. 08/19/14 4:22 pm
kleb6b: Approved for CCC Secretary
3. 08/27/14 10:52 am
kleb6b: Approved for Pending CCC Agenda post
4. 08/29/14 9:07 am
kleb6b: Rollback to CCC Secretary for CCC Meeting Agenda
5. 09/04/14 10:34 am
kleb6b: Approved for CCC Secretary
6. 10/10/14 10:41 am
imorgan: Approved for

Co-Listed
Courses:

Sciences DSCC
Chair

Course Reviewer **kleb6b (08/29/14 9:07 am):** Rollback: Correct Work Flow
Comments

Key: 4108

Course Inventory Change Request

New Course Proposal

Date Submitted: 08/19/14 2:01 pm

Viewing: **CHEM 5100 : Laboratory Safety & Hazardous Materials**

File: 4107

Last edit: 10/10/14 10:41 am

Changes proposed by: woelkk

Requested Spring 2015

Effective Change
Date

Department Chemistry

Discipline Chemistry (CHEM)

Course Number 5100

Title Laboratory Safety & Hazardous Materials

Abbreviated Course Title Lab Safety & Haz Mat

Catalog Description A systematic study of safe laboratory operations and pertinent regulations of state and federal agencies.

Prerequisites Graduate standing.

Field Trip
Statement

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

Required for
Majors Yes

Elective for
Majors No

Justification for
new course: It is critically important that incoming graduate students receive and have documented a comprehensive laboratory safety and hazardous materials training. The training is essential for all new graduate students working in chemistry laboratory environments and thus should be mandatory.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer **kleb6b (08/29/14 9:07 am):** Rollback: Correct Work Flow
Comments

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. Ishelton
11. Peoplesoft

Approval Path

1. 08/19/14 2:02 pm
woelkk: Approved
for RCHEMIST
Chair
2. 08/19/14 3:51 pm
kleb6b: Approved
for CCC Secretary
3. 08/27/14 10:53
am
kleb6b: Approved
for Pending CCC
Agenda post
4. 08/29/14 9:07 am
kleb6b: Rollback
to CCC Secretary
for CCC Meeting
Agenda
5. 09/04/14 10:36
am
kleb6b: Approved
for CCC Secretary
6. 10/10/14 10:42
am
imorgan:
Approved for

Key: 4107

Sciences DSCC
Chair

Course Inventory Change Request

Date Submitted: 10/01/14 7:40 am

Viewing: **IS&T 5885 : Human-Computer Interaction**

File: 2560.1

Last edit: 11/12/14 9:13 am

Changes proposed by: barryf

| | |
|---------------------------------------|--|
| Catalog Pages referencing this course | Business Administration Engineering Management Information Science and Technology |
| Programs referencing this course | BUS&MS-BS: Business and Mgmt Systems BS E&S COM-MI: Elect & Social Commerce Minor INORGPS-MS: Industrial Organizational Psychology MS IST-BS: Information Science and Tch BS IST-MS: Info Science & Tech MS PROPOSED: Human-Computer Interaction Minor SCTCPL-MI: Science, Tech,& Politics Minor |
| Other Courses referencing this course | <u>In The Prerequisites:</u> IS&T 5886 : Human-Computer Interaction Prototyping IS&T 5887 : Human-Computer Interaction Evaluation IS&T 6887 : Research Methods in Business and IS&T |

| | |
|---------------------------------|---|
| Requested Effective Change Date | Fall 2015 2014 |
| Department | Business and Information Technology |
| Discipline | Info Science & Technology (IS&T) |
| Course Number | 5885 |
| Title | Human-Computer Human-Computer -Interaction |
| Abbreviated Course Title | Human-Computer Human Computer -Interact |

Catalog Description
Introduction to the field of Human-Computer Interaction (HCI). Students examine issues and challenges related to the interaction between people and technology. The

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. 10/01/14 1:02 pm
siauk: Approved for RINFSCTE Chair
2. 10/01/14 1:11 pm
kleb6b: Approved for CCC Secretary
3. 10/07/14 10:05 am
barryf: Approved for Social Sciences DSCC Chair
4. 10/10/14 7:55 am
kleb6b: Approved for Pending CCC Agenda post
5. 11/04/14 7:53 am

class explores the social and cognitive characteristics of people who use information systems. Students learn techniques for understanding user needs, interface **prototyping & prototyping, and** interface evaluation.

Prerequisites

~~Psych 1101.~~

Field Trip

Statement

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

| | |
|---------------------|------------|
| Required for Majors | Yes |
|---------------------|------------|

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

Justification for change:

Instructor now covers the few necessary Psychology concepts in class, so prerequisite is not needed.

Note: The course is required for IST M.S. students; it is elective for undergraduate students.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

kleb6b: Approved for CCC Meeting Agenda
6. 11/05/14 3:36 pm
tschuman:
Approved for Campus Curricula Committee Chair

Course Inventory Change Request

Date Submitted: 10/01/14 7:41 am

Viewing: **IS&T 6887 : Research Methods in Business and IS&T Human-Computer Interaction**

File: 1862.5

Last approved: 04/25/14 3:06 pm

Last edit: 11/04/14 7:54 am

Changes proposed by: barryf

| | |
|---------------------------------------|---|
| Catalog Pages referencing this course | Business Administration Information Science and Technology Psychology |
| Programs referencing this course | INORGPS-MS: Industrial Organizational Psychology MS TCH CM-MIG: Technical Communication Minor |
| Requested Effective Change Date | Fall 2015 2014 |
| Department | Business and Information Technology |
| Discipline | Info Science & Technology (IS&T) |
| Course Number | 6887 |
| Title | Research Methods in Business and IS&T Human-Computer Interaction |
| Abbreviated Course Title | HCI -Research Methods Bus&IST |
| Catalog Description | This course covers quantitative and qualitative research methods for exploring the interaction between people and information technologies. The course covers techniques and tools for carrying out literature reviews, forming research goals, designing research, conducting data analyses; and preparing manuscripts and live presentations. |
| 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 | Yes-No |
| Justification for change: | Instructor has eliminated the need for the HCI prerequisite. The course has changed to an all-lecture format. |

In Workflow

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

Approval Path

1. 10/01/14 1:03 pm
siauk: Approved for RINFSCTE Chair
2. 10/01/14 1:54 pm
siauk: Approved for RBUSADMN Chair
3. 10/01/14 1:55 pm
kleb6b: Approved for CCC Secretary
4. 10/07/14 10:05 am
barryf: Approved for Social Sciences DSCC Chair
5. 10/10/14 7:55 am
kleb6b: Approved for Pending CCC Agenda post
6. 11/04/14 7:54 am
kleb6b: Approved

Co-list of BUS 6887 is being added and should be created by this form.

Semesters
previously
offered as an
experimental
course

Co-Listed **BUS 6887-- Research Methods in Business and IST**
Courses:

for CCC Meeting
Agenda

History

1. Apr 25, 2014 by
barryf (1862.1)

Course Reviewer
Comments

Key: 1862

Course Inventory Change Request

New Course Proposal

Date Submitted: 09/15/14 4:08 pm

Viewing: **MECH ENG 5420 : Signal Processing for Instrumentation and Control**

File: 4114

Last edit: 09/15/14 4:08 pm

Changes proposed by: nisbett

Requested Spring 2015

Effective Change
Date

Department Mechanical & Aerospace Engineering

Discipline Mechanical Engineering (MECH ENG)

Course Number 5420

Title Signal Processing for Instrumentation and Control

Abbreviated
Course Title Signal Processing

Catalog Description The course presents fundamental techniques for analysis and processing of experimental data and real-time signals. Continuous- and discrete-time development of signal spectra, Fourier Transform, convolution, filter design, and system identification. The emphasis is on practical problems that arise in instrumentation and control applications.

Prerequisites Math 3304; Mech Eng 3411 or permission of instructor for non-Mech Eng majors.

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: This course has been offered twice, and covers material that is of use in the control field of mechanical engineering.

Semesters
previously
offered as an
experimental
course Fall 2010, Fall 2012

Co-Listed
Courses:

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. Ishelton
11. Peoplesoft

Approval Path

1. 09/16/14 6:39 am drallmei: Approved for RMECHENG Chair
2. 09/19/14 7:44 am kleb6b: Approved for CCC Secretary
3. 09/22/14 3:01 pm sraper: Approved for Engineering DSCC Chair

Course Reviewer
Comments

Key: 4114

Course Inventory Change Request

New Course Proposal

Date Submitted: 10/01/14 6:03 pm

Viewing: **MKT 5320 : Marketing for Non-Profits**

File: 4115

Last edit: 10/02/14 8:03 am

Changes proposed by: barryf

Requested Spring 2015

Effective Change
Date

Department Business and Information Technology

Discipline Marketing (MKT)

Course Number 5320

Title Marketing for Non-Profits

Abbreviated Course Title
Mktg for Non-Profits

Catalog Description
Illustrates the importance of creating synergy within a marketing campaign. Speaking with "one voice" allows a brand to make a stronger impact; students will work with a local non-profit to improve their marketing message at each customer touch point. Students will analyze a marketing plan and work to improve it, including brochures & donation letters.

Prerequisites At least Junior standing.

Field Trip
Statement

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

Required for
Majors No

Elective for
Majors Yes

Justification for
new course: Offered successfully twice.
Note that Title is different from that used for the Experimental Course, but the content is the same.

Semesters
previously
offered as an
experimental
course Sum 13, Sum 14

Co-Listed
Courses:

In Workflow

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

Approval Path

1. 10/01/14 6:52 pm
siauk: Approved
for RBUSADMN
Chair
2. 10/02/14 8:03 am
kleb6b: Approved
for CCC Secretary
3. 10/07/14 10:03
am
barryf: Approved
for Social
Sciences DSCC
Chair

Course Reviewer
Comments

Key: 4115

Course Inventory Change Request

New Course Proposal

Date Submitted: 11/05/14 3:31 pm

Viewing: **BIO SCI 2243 : Sleep: Function and Dysfunction**

File: 4141

Last edit: 11/05/14 3:31 pm

Changes proposed by: kleb6b

Requested Spring 2015

Effective Change
Date

Department Biological Sciences

Discipline Biological Sciences (BIO SCI)

Course Number 2243

Title Sleep: Function and Dysfunction

Abbreviated Course Title Sleep and Behavior

Catalog Description Students will learn the genes, proteins, and anatomy that govern sleep regulation. The course will also cover how sleep deprivation changes the body and degrades health and performance as well as sleep disorders that may disrupt sleep.

Prerequisites Bio Sci 1213.

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: Course is in instructor's area of expertise. Department has need for lower level elective course as many electives are upper level.

Semesters
previously
offered as an
experimental
course Sp 2013, Sp 2014

Co-Listed
Courses:

Course Reviewer
Comments

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. Ishelton
11. Peoplesoft

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 09/30/14 8:24 am

Viewing: **BIO SCI 5001.TBD : Stem Cell Biology and Regenerative**

Medicine

File: 4124

Last edit: 10/10/14 10:38 am

Changes proposed by: aronstam

Requested Fall 2015

Effective Change
Date

Department Biological Sciences

Discipline Biological Sciences (BIO SCI)

Course Number 5001

Topic ID TBD

Experimental
Title Stem Cell Biology and Regenerative Medicine

Experimental
Abbreviated
Course Title Stem Cell Biology

Instructors Julie Semon

Experimental
Catalog
Description Fundamentals of stem cell biology and regenerative medicine, including niche biology, tissue specificity, epigenetics, tissue regeneration, and political and ethical considerations.

Prerequisites Bio Sci 2213.

Field Trip
Statement

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

Justification for
new course: Progenitor cell biology is a growing field of great importance in medicine. The instructor is engaged in stem cell research. This material is not covered in depth in any other BioSci course.

Semester(s)
previously taught none

Co-Listed
Courses:

Course Reviewer **kleb6b (09/30/14 7:51 am):** Rollback: Edit Experimental Catalog Description down to
Comments 160 characters.

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. Registrar

Approval Path

1. 09/30/14 8:25 am
aronstam:
Approved for
RBIOLSCI Chair
2. 09/30/14 8:27 am
kleb6b: Approved
for CCC Secretary
3. 10/10/14 10:39
am
imorgan:
Approved for
Sciences DSCC
Chair

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 10/01/14 7:32 am

Viewing: **BUS 5001.TBD : Financial Statement Analysis**

File: 4122

Last edit: 10/01/14 1:10 pm

Changes proposed by: barryf

Requested Spring 2015

Effective Change
Date

Department Business and Information Technology

Discipline Business (BUS)

Course Number 5001

Topic ID TBD

Experimental Title
Financial Statement Analysis

Experimental Abbreviated
Course Title
Financial Statement Anal

Instructors Chiu, Yu-Hsien

Experimental Catalog Description
This course covers the analysis and interpretation of financial statements for profitability analysis, credit analysis, and other business analyses that rely on financial data. The quality of the financial statement information will be discussed, followed by the introduction of fundamental techniques of financial statement analysis.

Prerequisites FIN 2150 or Graduate Standing.

Field Trip
Statement

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

Justification for new course: Planned for both undergraduate and graduate students.

Semester(s) previously taught

Co-Listed Courses:

Course Reviewer
Comments

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. 10/01/14 1:00 pm
siauk: Approved for RBUSADMN Chair
2. 10/01/14 1:10 pm
kleb6b: Approved for CCC Secretary
3. 10/07/14 10:05 am
barryf: Approved for Social Sciences DSCC Chair

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 09/22/14 11:54 am

Viewing: **MATH 1001.TBD : Success for Calculus**

File: 4117

Last edit: 09/22/14 11:54 am

Changes proposed by: imorgan

Requested Fall 2015

Effective Change
Date

Department Mathematics & Statistics

Discipline Mathematics (MATH)

Course Number 1001

Topic ID TBD

Experimental
Title Success for Calculus

Experimental
Abbreviated
Course Title Success for Calculus

Instructors Barb Wilkins

Experimental
Catalog
Description This course focuses on the use of college algebra and trigonometry skills within the context of calculus, providing students with the opportunity to improve their preparedness for future calculus coursework. Pass/Fail only.

Prerequisites Consent of instructor.

Field Trip
Statement

Credit Hours LEC: 3 LAB: 1 IND: 0 RSD: 0 Total: 4

Justification for
new course: This course is proposed as a component of the calculus redesign, which is part of the University strategic plan. Many students who appear to be qualified to take calculus struggle for various reasons; the purpose of this course is to address their issues so they will have a better chance of succeeding the next time. We plan to use the course number MATH 1190 when the course becomes permanent.

Semester(s)
previously taught

Co-Listed
Courses:

Course Reviewer
Comments

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. 09/22/14 12:13
pm
sclark: Approved
for RMATHEMA
Chair
2. 09/22/14 1:07 pm
kleb6b: Approved
for CCC Secretary
3. 10/10/14 10:42
am
imorgan:
Approved for
Sciences DSCC
Chair

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 10/07/14 10:15 am

Viewing: **MUSIC 3001.TBD : Mechanics of Music**

File: 4131

Last edit: 10/07/14 10:48 am

Changes proposed by: denises

Requested Spring 2015

Effective Change
Date

Department Arts, Languages, & Philosophy

Discipline Music (MUSIC)

Course Number 3001

Topic ID TBD

Experimental Mechanics of Music
Title

Experimental Mechanics of Music
Abbreviated
Course Title

Instructors Deborah Sinn

Experimental How music is constructed - including topics on tuning, notation, and repertoire.
Catalog Musical apps will be used to encourage participation and to help with
Description comprehension of the material. No musical background required.

Prerequisites None.

Field Trip
Statement

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

Justification for Maxwell C. Weiner Professor
new course:

Semester(s)
previously taught

Co-Listed
Courses:

Course Reviewer
Comments

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. 10/07/14 10:26 am
lance: Approved for RPHILOSO Chair
2. 10/07/14 10:48 am
kleb6b: Approved for CCC Secretary
3. 10/07/14 6:34 pm
ivliyeva: Approved for Arts & Humanities DSCC Chair