

Minutes of the Campus Curricula Committee Meeting

February 5, 2014

10:00 am, Room 106B Parker Hall

Attendees: Lahne Black, Kaylon Buckner, Barry Flachsbart, Irina Ivliyeva, Deanne Jackson, Keith Nisbett, Steve Raper, Tom Schuman, Daniel Tauritz, and Paul Worsey.

The following curriculum forms were discussed and approved:

Course Change Forms:

File #122.1	File #270.1
File #4016	File #272.1
File #248.1	File #274.1
File #1888.1	File #1764.1
File #253.1	File #245.1
File #254.1	File #241.1
File #256.1	File #4029
File #257.1	File #714.1
File #258.1	File #928.1
File #259.1	File #1864.1
File #260.1	File #1862.1
File #238.1	File #4023
File #268.1	File #1409.1

Experimental Course Forms:

File #4022

File #266.1, Chemistry 328-Organic Synthesis and Spectroscopic Analysis, was shredded as no action was required.

The Committee discussed the RP&A referral related to implementing experiential learning into undergraduate curricula and has approved the attached response to RP&A.

The meeting adjourned at 11:30 a.m.



A handwritten signature in blue ink that reads "Daniel Tauritz".

Daniel Tauritz, Chair
Missouri S&T Campus Curricula Committee

CCC response to RP&A on Experiential Learning referral dated 12/10/2013

Relevant CRRs:

300.030.4.1.3: Departments – Responsibility and Authority

“Proposals for changes in curriculum or courses may be initiated by the department and submitted to the Curricula Committee. Each department, acting in accordance with the Rules and Regulations established by the Board of Curators and Campus Policy, shall have delegated directly to it by the General Faculty jurisdiction over matters primarily of interest only to that department. This includes but is not limited to: entrance requirements for degree programs; the curricula of the department”

300.030.4.6.1: Academic Freedom and Standards Committee

“This committee is concerned with the academic freedom of faculty and promoting academic excellence. It recommends and reviews policies concerning requirements for admission, graduation and academic standards.”

300.030.4.6.4: Campus Curricula Committee

“This committee acts as advisor and coordinator in regard to the disciplinary appropriateness and quality of curricula proposals and all course offerings. Proposals for curricula and course changes shall be submitted to the Campus Curricula Committee via the Discipline Specific Curricula Committee (DSCC) associated with the proposal.”

Issue #1: Can Administration via the Strategic Plan mandate Departments to incorporate Experiential Learning into their undergraduate degree programs?

CCC response to RP&A: No, Departments control their own degree programs, subject to review by the Campus Curricula Committee which tests them against the relevant academic standards such as set by the Academic Freedom and Standards Committee. Only the Academic Freedom and Standards Committee via Faculty Senate action can mandate all Departments to incorporate Experiential Learning by setting it as an academic standard for all disciplines.

Issue #2: What are the curricula process implications for incorporating Experiential Learning into undergraduate degree programs?

CCC response to RP&A:

The CCC's recommended option is to have the Academic Freedom and Standards Committee propose to Faculty Senate a campus wide minimum standard for Experiential Learning to be listed in the front of the Undergraduate Catalog, then have each Department develop discipline appropriate implementations for their undergraduate degree programs which meet the standard approved by Faculty Senate, and finally designate the Office of Undergraduate Studies to track for each undergraduate student their progress on meeting their Major's Experiential Learning standard based on information provided by the student's Major department and inform the Registrar's Office once a student meets the standard similar to the process for tracking senior assessment compliance.

The alternative, not recommended, option is for Departments to submit a Degree Change form for each of their undergraduate degree programs to stipulate their Experiential Learning requirement. The Campus Curricula Committee would review those including testing them against the relevant academic standards such as set by the Academic Freedom and Standards Committee.

Issue #3: What mechanisms are available to include the Office of Undergraduate Studies in the approval process?

CCC response to RP&A:

Under the CCC's recommended option for Issue #2, the Office of Undergraduate Studies will be able to:

- (a) provide input to the Academic Freedom and Standards Committee during the Experiential Learning standard proposal creation process,
- (b) informally comment to Departments on their implementation (or formally, if the Academic Freedom and Standards Committee mandates that Department implementations be approved by the Office of Undergraduate Studies), and
- (c) track each student's progress based on Department supplied data.

Under the CCC's alternative, not recommended, option for Issue #2, there are three options to address Issue #3, namely:

- (a) Informally, Departments can choose to include the Office of Undergraduate Studies in their internal curricula approval process.
- (b) In order to formally include the Office of Undergraduate Studies in the approval process:
 - i. a passive mechanism would be to have that office submit their proposed minimum standard for Experiential Learning to the Academic Freedom and Standards Committee for approval via Faculty Senate action which would then be a standard that the Campus Curricula Committee would test against.
 - ii. an active mechanism could be instituted by the Academic Freedom and Standards Committee via Faculty Senate action stipulating that a minimum academic standard for undergraduate degree programs to meet is approval by the Office of Undergraduate Studies in which case the Campus Curricula Committee would, in addition to the regular curricular review of undergraduate degree programs, require a memo from the Office of Undergraduate Studies stating its approval of the Experiential Learning component of said programs.

Course Inventory Change Request

Date Submitted: 08/16/13 9:43 am

Viewing: **BIO SCI 2333 328: Nutrition-Nutritional And Medicinal Properties Of Plants**

File: 122.1

Last edit: 01/17/14 11:24 am

Changes proposed by: aronstam

Requested **Fall 2014** ~~14 Aug 06~~
 Effective Change
 Date
 Department Biological Sciences
 Discipline Biological Sciences (BIO SCI)
 Course Number **2333-328**
 Title **Nutrition-Nutritional And Medicinal Properties Of Plants**
 Abbreviated **Nutrition-Nutri & Med Prop**
 Course Title **Plants**

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. Peoplesoft

Catalog Description **This introductory course provides an overview of the principles of nutritional science. Topics include the description and functions of nutrients, how nutrients are digested and absorbed, effects of nutrient imbalances, food sources, nutrient interactions, dietary guidelines, the biochemical and physiological functions of mineral elements, vitamins, and other organic compounds from plants necessary in human nutrition, and the role of nutrition in weight management, health, and the medicinal derivatives of various plants, their effects and disease. uses.**

Prerequisites Bio Sci 110 or Bio Sci ~~111 111~~, and Bio Sci ~~211~~.

Field Trip Statement

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

Required for Majors No

Elective for Majors **Yes-No**

Justification for change: Course now focuses on human nutrition and not exclusively on plant products.

Semesters previously offered as an experimental course **NA**

Co-Listed Courses:

Approval Path

1. 08/16/13 9:45 am aronstam: Approved for RBIOLSCI Chair
2. 01/09/14 9:04 am lahne: Approved for CCC Secretary
3. 01/17/14 11:24 am tauritzd: Approved for Sciences DSCC Chair
4. 01/17/14 3:48 pm lahne: Approved for Pending CCC Agenda post
5. 02/05/14 1:39 pm kleb6b: Approved for CCC Meeting Agenda
6. 02/06/14 6:04 pm tauritzd: Approved for Campus Curricula Committee Chair

Course Reviewer Comments

Course Inventory Change Request

New Course Proposal

Date Submitted: 10/30/13 9:41 am

Viewing: **BIO SCI 252, 2264 : Field Ecology**

File: 4016

Last edit: 02/07/14 11:19 am

Changes proposed by: niyogid

Requested	Summer 2014
Effective Change Date	
Department	Biological Sciences
Discipline	Biological Sciences (BIO SCI)
Course Number	252, 2264
Title	Field Ecology
Abbreviated Course Title	Field Ecology

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. Peoplesoft

Catalog Description	Field-based class designed to teach students applications of ecological research. Students will study distribution and abundance of organisms in aquatic and terrestrial systems in the Ozarks. Class includes lectures and field sampling in the Rolla area.				
Prerequisites	Any BioSci course				
Field Trip Statement	This class includes field trips at minor student expense.				
Credit Hours	LEC: 1	LAB: 1	IND: 0	RSD: 0	Total: 2
Required for Majors	No				
Elective for Majors	Yes				

Approval Path

1. 10/30/13 9:45 am aronstam: Approved for RBIOLSCI Chair
2. 01/09/14 9:04 am lahne: Approved for CCC Secretary
3. 01/17/14 11:29 am tauritzd: Approved for Sciences DSCC Chair
4. 01/17/14 3:53 pm lahne: Approved for Pending CCC Agenda post
5. 02/05/14 1:42 pm kleb6b: Approved for CCC Meeting Agenda
6. 02/07/14 11:20 am tauritzd: Approved for Campus Curricula Committee Chair

Justification for new course:	This class has been taught as an experimental class (201) two times and is being given a permanent number. This course typically runs all day for one week during intersession.				
Semesters previously offered as an experimental course	SS2012 - 12 enrolled SS2013 - 13 enrolled				
Co-Listed Courses:					

Course Reviewer Comments

Key: 4016

Course Inventory Change Request

Date Submitted: 10/10/13 3:11 pm

Viewing: **CHEM 151 : Analytical Chemistry I**

File: 248.1

Last edit: 10/10/13 3:11 pm

Changes proposed by: tschuman

Programs referencing this course	CH ENG-BS: Chemical Engineering BS CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS CHEM-MI: Chemistry Minor	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. Peoplesoft
Other Courses referencing this course	In The Catalog Description: CHEM 251 : Analytical Chemistry II In The Prerequisites: CHEM 355 : Instrumental Methods Of Chemical Analysis	
Requested Effective Change Date	Fall 2014 1 Jan 08	Approval Path 1. 11/20/13 2:23 pm woelkk: Approved for RCHEMIST Chair 2. 01/09/14 9:07 am lahne: Approved for CCC Secretary 3. 01/17/14 11:29 am tauritzd: Approved for Sciences DSCC Chair 4. 01/17/14 3:54 pm lahne: Approved for Pending CCC Agenda post 5. 02/05/14 1:44 pm kleb6b: Approved for CCC Meeting Agenda 6. 02/06/14 6:14 pm tauritzd: Approved for Campus Curricula Committee Chair
Department	Chemistry	
Discipline	Chemistry (CHEM)	
Course Number	151	
Title	Analytical Chemistry I	
Abbreviated Course Title	Analytical Chemistry I	
Catalog Description	A study of analytical chemistry including an introduction to experimental error, statistics, principles of gravimetric and combustion analysis, chemical equilibrium, acid - base titrations, and electro-analytical determinations.	
Prerequisites	Chem 3 and preceded or accompanied by Chem 4 . 4 or equivalent training program approved by S&T.	
Field Trip Statement		
Credit Hours	LEC: 3 LAB: 1 IND: 0 RSD: 0 Total: 4	
Required for Majors	Yes-No	
Elective for Majors	No	
Justification for change:	No list of equivalent or approved training courses for Missouri S&T	
Semesters previously offered as an experimental course		
Co-Listed Courses:		

Course Reviewer

Key: 248

Comments

Course Inventory Change Request

Date Submitted: 10/10/13 3:19 pm

Viewing: **CHEM 203 : MST General Chemistry Lab**

File: 1888.1

Last edit: 10/10/13 3:19 pm

Changes proposed by: tschuman

Requested	Fall 2014 1 Jan-08
Effective Change Date	
Department	Chemistry
Discipline	Chemistry (CHEM)
Course Number	203
Title	MST General Chemistry Lab
Abbreviated Course Title	MST General Chem Lab

Catalog Description	The laboratory work accompanying the MST chemistry courses consists of experiments designed to supplement the lecture work in chemistry. This course is primarily intended for secondary education science teachers. Credit will not be given for both Chemistry 2 and Chemistry 203. Preceded or accompanied by Chem 204 or equivalent training program approved by S&T.				
Prerequisites	Entrance requirements for the MST program and preceded or accompanied by either Chem 4 or Chem 204. program.				
Field Trip Statement					
Credit Hours	LEC: 0	LAB: 1	IND: 0	RSD: 0	Total: 1
Required for Majors	Yes-No				
Elective for Majors	No				

Justification for change:	There is no list of equivalent or approved courses for Missouri S&T. Moves prereqs to appropriate line.
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Semesters previously offered as an experimental course	
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Co-Listed Courses:	
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Course Reviewer Comments	
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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. Peoplesoft

Approval Path

1. 11/20/13 2:23 pm
woelkk: Approved for RCHEMIST Chair
2. 01/09/14 10:29 am
lahne: Approved for CCC Secretary
3. 01/17/14 11:30 am
tauritzd: Approved for Sciences DSCC Chair
4. 01/17/14 3:55 pm
lahne: Approved for Pending CCC Agenda post
5. 02/05/14 1:44 pm
kleb6b: Approved for CCC Meeting Agenda
6. 02/06/14 6:15 pm
tauritzd: Approved for Campus Curricula Committee Chair

Key: 1888

Course Inventory Change Request

Date Submitted: 10/10/13 3:11 pm

Viewing: **CHEM 226 : Organic Chemistry I Lab**

File: 253.1

Last edit: 10/10/13 3:11 pm

Changes proposed by: tschuman

<p>Programs referencing this course</p> <p>BIO SC-BA: Biological Sciences BA BIO SC-BS: Biological Sciences BS CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS CHEM-MI: Chemistry Minor PRE-MED-MI: Pre-Medicine Minor</p> <p>Other Courses referencing this course</p> <p>In The Catalog Description: CHEM 228 : Organic Chemistry II Lab</p> <p>In The Prerequisites: CHEM 228 : Organic Chemistry II Lab</p>	<p>In Workflow</p> <ol style="list-style-type: none"> 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. Peoplesoft
<p>Requested Effective Change Date</p> <p>Fall 2014 1 Jan 08</p> <p>Department: Chemistry</p> <p>Discipline: Chemistry (CHEM)</p> <p>Course Number: 226</p> <p>Title: Organic Chemistry I Lab</p> <p>Abbreviated Course Title: Organic Chemistry I Lab</p>	<p>Approval Path</p> <ol style="list-style-type: none"> 1. 11/20/13 2:24 pm woelkk: Approved for RCHEMIST Chair 2. 01/09/14 10:29 am lahne: Approved for CCC Secretary 3. 01/17/14 11:30 am tauritzd: Approved for Sciences DSCC Chair 4. 01/17/14 3:56 pm lahne: Approved for Pending CCC Agenda post 5. 02/05/14 1:44 pm kleb6b: Approved for CCC Meeting Agenda 6. 02/06/14 6:15 pm tauritzd: Approved for Campus Curricula Committee Chair
<p>Catalog Description</p> <p>Laboratory involves purification techniques, simple and multistep synthesis and spectroscopic identification of organic functional groups.</p> <p>Prerequisites</p> <p>Preceded or accompanied by Chem 221 and either Chem 4. 4 or an equivalent training program approved by S&T.</p> <p>Field Trip Statement</p> <p>Credit Hours</p> <p>LEC: 0 LAB: 1 IND: 0 RSD: 0 Total: 1</p> <p>Required for Majors</p> <p>Yes-No</p> <p>Elective for Majors</p> <p>No</p>	
<p>Justification for change:</p> <p>No list of equivalent or approved training courses for Missouri S&T</p> <p>Semesters previously offered as an experimental course</p>	

Co-Listed

Courses:

Course Reviewer

Comments

Key: 253

Course Inventory Change Request

Date Submitted: 10/10/13 3:12 pm

Viewing: **CHEM 228 : Organic Chemistry II Lab**

File: 254.1

Last edit: 10/10/13 3:12 pm

Changes proposed by: tschuman

Programs referencing this course	BIO SC-BA: Biological Sciences BA BIO SC-BS: Biological Sciences BS CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS PRE-MED-MI: Pre-Medicine Minor	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. Peoplesoft
Other Courses referencing this course	In The Catalog Description: CHEM 328 : Organic Synthesis And Spectroscopic Analysis	
Requested Effective Change Date	Fall 2014 1 Jan-08	
Department	Chemistry	Approval Path 1. 11/20/13 2:24 pm woelkk: Approved for RCHEMIST Chair 2. 01/09/14 10:36 am lahne: Approved for CCC Secretary 3. 01/17/14 11:30 am tauritzd: Approved for Sciences DSCC Chair 4. 01/17/14 3:56 pm lahne: Approved for Pending CCC Agenda post 5. 02/05/14 1:44 pm kleb6b: Approved for CCC Meeting Agenda 6. 02/06/14 6:16 pm tauritzd: Approved for Campus Curricula Committee Chair
Discipline	Chemistry (CHEM)	
Course Number	228	
Title	Organic Chemistry II Lab	
Abbreviated Course Title	Organic Chemistry II Lab	
Catalog Description	Continuation of Chem 226.	
Prerequisites	Chem 226, preceded or accompanied by Chem 223 and Chem 4. 4-or-an-equivalent training program approved by S&T.	
Field Trip Statement		
Credit Hours	LEC: 0 LAB: 1 IND: 0 RSD: 0 Total: 1	
Required for Majors	Yes-No	
Elective for Majors	No	
Justification for change:	No list of equivalent or approved training courses for Missouri S&T	
Semesters previously offered as an experimental course		
Co-Listed Courses:		

Course Reviewer

Key: 254

Comments

Course Inventory Change Request

Date Submitted: 10/10/13 3:12 pm

Viewing: **CHEM 238 : Inorganic Chemistry Laboratory**

File: 256.1

Last edit: 10/10/13 3:12 pm

Changes proposed by: tschuman

Programs referencing this course	CHEM-BS: Chemistry BS	In Workflow <ol style="list-style-type: none"> 1. RCHEMIST Chair 2. CCC Secretary 3. Sciences DSCC Chair 4. Pending CCC Agenda post 5. CCC Meeting Agenda
Requested Effective Change Date	Fall 2014 1 Jan 08	<ol style="list-style-type: none"> 6. Campus Curricula Committee Chair 7. FS Meeting Agenda
Department	Chemistry	8. Faculty Senate Chair
Discipline	Chemistry (CHEM)	9. Registrar
Course Number	238	10. Peoplesoft
Title	Inorganic Chemistry Laboratory	
Abbreviated Course Title	Inorganic Chem Lab	Approval Path
Catalog Description	Synthesis and characterization of inorganic chemicals, high and low temperature syntheses, inert atmosphere and vacuum manipulations, electrochemistry, magnetochemistry, spectroscopy (NMR, IR, UV/VIS), superconductivity.	1. 11/20/13 2:24 pm woelkk: Approved for RCHEMIST Chair
Prerequisites	Preceded or accompanied by Chem 237 and Chem 4. 4 or an equivalent training program approved by S&T.	2. 01/09/14 10:39 am lahne: Approved for CCC Secretary
Field Trip Statement		3. 01/17/14 11:30 am tauritzd: Approved for Sciences DSCC Chair
Credit Hours	LEC: 0 LAB: 1 IND: 0 RSD: 0 Total: 1	4. 01/17/14 3:57 pm lahne: Approved for Pending CCC Agenda post
Required for Majors	Yes-No	5. 02/05/14 1:44 pm kleb6b: Approved for CCC Meeting Agenda
Elective for Majors	No	6. 02/06/14 6:16 pm tauritzd: Approved for Campus Curricula Committee Chair
Justification for change:	No list of equivalent or approved training courses for Missouri S&T	
Semesters previously offered as an experimental course		
Co-Listed Courses:		
Course Reviewer Comments		

Key: 256

Course Inventory Change Request

Date Submitted: 10/10/13 3:00 pm

Viewing: **CHEM 241 : Physical Chemistry**

File: 257.1

Last edit: 01/17/14 11:31 am

Changes proposed by: tschuman

Programs referencing this course	CH ENG-BS: Chemical Engineering BS CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS CR ENG-BS: Ceramic Engineering BS EV ENG-BS: Environmental Engineering BS MT ENG-BS: Metallurgical Engineering BS
Other Courses referencing this course	In The Catalog Description: CHEM 243 : Physical Chemistry CHEM 251 : Analytical Chemistry II In The Prerequisites: CHEM 242 : Physical Chemistry Laboratory CHEM ENG 237 : Continuous Mass Transfer

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. Peoplesoft

Requested Effective Change Date

Fall 2014 ~~3 Jan 11~~

Department Chemistry

Discipline Chemistry (CHEM)

Course Number 241

Title Physical Chemistry

Abbreviated Course Title Physical Chemistry

Approval Path

1. 11/20/13 2:24 pm woelkk: Approved for RCHEMIST Chair
2. 01/09/14 10:40 am lahne: Approved for CCC Secretary
3. 01/17/14 11:31 am

Catalog Description A study of the laws of thermodynamics and their applications to the states of matter, solutions, and equilibria.

Prerequisites Math ~~15 22~~, ~~Physics 24~~ or **Math 21; Physics 21** or Physics ~~23. 25~~.

Field Trip Statement

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

Required for Majors **Yes-No**

Elective for Majors No

tauritzd:

- Approved for Sciences DSCC Chair
- 01/17/14 3:57 pm lahne: Approved for Pending CCC Agenda post
- 02/05/14 1:44 pm kleb6b: Approved for CCC Meeting Agenda
- 02/06/14 6:16 pm

Justification for change: Prerequisites better reflect preparatory content desired.

Semesters previously offered as an experimental course

tauritzd:

- Approved for Campus Curricula Committee Chair

Co-Listed

Courses:

Course Reviewer

Comments

Key: 257

Course Inventory Change Request

Date Submitted: 10/10/13 3:12 pm

Viewing: **CHEM 242 : Physical Chemistry Laboratory**

File: 258.1

Last edit: 10/10/13 3:12 pm

Changes proposed by: tschuman

Programs referencing this course	CH ENG-BS: Chemical Engineering BS CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS	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
Other Courses referencing this course	In The Catalog Description: CHEM 244 : Physical Chemistry Laboratory	
Requested Effective Change Date	Fall 2014 1 Jan-08	8. Faculty Senate Chair 9. Registrar 10. Peoplesoft
Department	Chemistry	Approval Path 1. 11/20/13 2:24 pm woelkk: Approved for RCHEMIST Chair 2. 01/09/14 10:43 am lahne: Approved for CCC Secretary 3. 01/17/14 11:31 am tauritzd: Approved for Sciences DSCC Chair 4. 01/17/14 3:58 pm lahne: Approved for Pending CCC Agenda post 5. 02/05/14 1:44 pm kleb6b: Approved for CCC Meeting Agenda 6. 02/06/14 6:16 pm tauritzd: Approved for Campus Curricula Committee Chair
Discipline	Chemistry (CHEM)	
Course Number	242	
Title	Physical Chemistry Laboratory	
Abbreviated Course Title	Physical Chemistry Lab	
Catalog Description	Some typical operations of experimental physical chemistry.	
Prerequisites	Preceded or accompanied by Chem 241 and Chem 4. 4 or an equivalent training program approved by S&T.	
Field Trip Statement		
Credit Hours	LEC: 0 LAB: 1 IND: 0 RSD: 0 Total: 1	
Required for Majors	Yes-No	
Elective for Majors	No	
Justification for change:	No list of equivalent or approved training courses for Missouri S&T	
Semesters previously offered as an experimental course		
Co-Listed Courses:		

Key: 258

Course Reviewer
Comments

Course Inventory Change Request

Date Submitted: 10/10/13 3:01 pm

Viewing: **CHEM 243 : Physical Chemistry**

File: 259.1

Last edit: 10/10/13 3:01 pm

Changes proposed by: tschuman

Programs referencing this course	CH ENG-BS: Chemical Engineering BS CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS	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. Peoplesoft
Other Courses referencing this course	In The Catalog Description: CHEM 346 : Chemical Thermodynamics CHEM 449 : Chemical Kinetics CHEM 457 : Electrochemistry CHEM 484 : Polymer Physical Chemistry And Analysis In The Prerequisites: CHEM 244 : Physical Chemistry Laboratory CHEM 355 : Instrumental Methods Of Chemical Analysis CHEM ENG 381 : Corrosion And Its Prevention MET ENG 381 : Corrosion And Its Prevention	
Requested Effective Change Date	Fall 2014-1 Jan-00	
Department	Chemistry	
Discipline	Chemistry (CHEM)	Approval Path 1. 11/20/13 2:25 pm woelkk: Approved for RCHEMIST Chair 2. 01/09/14 10:45 am lahne: Approved for CCC Secretary 3. 01/17/14 11:31 am tauritzd: Approved for Sciences DSCC Chair 4. 01/17/14 3:59 pm lahne: Approved for Pending CCC Agenda post 5. 02/05/14 1:44 pm kleb6b: Approved for CCC Meeting Agenda 6. 02/06/14 6:16 pm tauritzd: Approved for Campus Curricula Committee Chair
Course Number	243	
Title	Physical Chemistry	
Abbreviated Course Title	Physical Chemistry	
Catalog Description	A study of kinetic theory, chemical kinetics, electromotive force and ionic equilibria.	
Prerequisites	Chem 241 or consent of department	
Field Trip Statement		
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	
Required for Majors	Yes-No	
Elective for Majors	No	
Justification for change:	Desire to drop consent of department	
Semesters previously offered as an		

experimental
course
Co-Listed
Courses:
Course Reviewer
Comments

Key: 259

Course Inventory Change Request

Date Submitted: 10/10/13 3:13 pm

Viewing: **CHEM 244 : Physical Chemistry Laboratory**

File: 260.1

Last edit: 01/17/14 11:32 am

Changes proposed by: tschuman

Programs referencing this course
[CHEM-BA: Chemistry BA](#)
[CHEM-BS: Chemistry BS](#)

Requested ~~Fall 2014~~ ~~3 Jan 11~~
 Effective Change Date
 Department Chemistry
 Discipline Chemistry (CHEM)
 Course Number 244
 Title Physical Chemistry Laboratory
 Abbreviated Course Title Physical Chemistry Lab

Catalog Description A continuation of Chem 242.

Prerequisites Preceded or accompanied by **both** Chem 243 and ~~preceded or accompanied by~~ Chem ~~4~~ ~~4 or an equivalent training program approved by S&T~~.

Field Trip Statement

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

Required for Majors **Yes-No**

Elective for Majors No

Justification for change: No list of equivalent or approved training courses for Missouri S&T

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer 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. Peoplesoft

Approval Path

1. 11/20/13 2:25 pm

woelkk: Approved for RCHEMIST Chair

2. 01/09/14 10:46 am

lahne: Approved for CCC Secretary

3. 01/17/14 11:33 am

tauritzd: Approved for Sciences DSCC Chair

4. 01/17/14 4:01 pm

lahne: Approved for Pending CCC Agenda post

5. 02/05/14 1:44 pm

kleb6b: Approved for CCC Meeting Agenda

6. 02/06/14 6:17 pm

tauritzd: Approved for Campus Curricula Committee Chair

Key: 260

Course Inventory Change Request

Date Submitted: 10/10/13 3:09 pm

Viewing: **CHEM 2 : General Chemistry Laboratory**

File: 238.1

Last edit: 01/17/14 11:34 am

Changes proposed by: tschuman

Catalog Pages referencing this course	Freshman Engineering Program Mathematics
Programs referencing this course	AE ENG-BS: Aerospace Engineering BS AP MATH-BS: Applied Mathematics BS ARC ENG-BS: Architectural Engineering BS BIO SC-BA: Biological Sciences BA BIO SC-BS: Biological Sciences BS CH ENG-BS: Chemical Engineering BS CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS CHEM-MI: Chemistry Minor CMP SC-BS: Computer Science BS CP ENG-BS: Computer Engineering BS CR ENG-BS: Ceramic Engineering BS CV ENG-BS: Civil Engineering BS EL ENG-BS: Electrical Engineering BS ENG MG-BS: Engineering Management BS EV ENG-BS: Environmental Engineering BS GE ENG-BS: Geological Engineering BS GL&GPH-BS: Geology and Geophysics BS MC ENG-BS: Mechanical Engineering BS MI ENG-BS: Mining Engineering BS MT ENG-BS: Metallurgical Engineering BS NU ENG-BS: Nuclear Engineering BS PE ENG-BS: Petroleum Engineering BS PHYSIC-BS: Physics BS PRE-MED-MI: Pre-Medicine Minor
Other Courses referencing this course	In The Catalog Description: ARCH ENG 103 : Architectural Materials And Methods Of Construction CHEM 5 : Accelerated General Chemistry EXP ENG 313 : Stage Pyrotechnics and Special Effects EXP ENG 360 : Display Fireworks Manufacturing GEOLOGY 125 : Physical Mineralogy And Petrology In The Prerequisites: EXP ENG 309 : Commercial Pyrotechnics Operations GEOLOGY 113 : Mineralogy And Crystallography
Requested	Fall 2014 1 Jan 08
Effective Change Date	
Department	Chemistry

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. Peoplesoft

Approval Path

1. 11/20/13 2:25 pm
woelkk: Approved for RCHEMIST Chair
2. 01/09/14 9:08 am
lahne: Approved for CCC Secretary
3. 01/17/14 11:34 am
tauritzd: Approved for Sciences DSCC Chair
4. 01/17/14 4:01 pm
lahne: Approved for Pending CCC Agenda post
5. 02/05/14 1:44 pm
kleb6b: Approved for CCC Meeting Agenda
6. 02/06/14 6:17 pm
tauritzd: Approved for Campus Curricula Committee Chair

Discipline	Chemistry (CHEM)				
Course Number	2				
Title	General Chemistry Laboratory				
Abbreviated	General Chemistry Lab				
Course Title					
Catalog	The laboratory work accompanying general chemistry consists of experiments				
Description	designed to supplement lectures in Chem 1.				
Prerequisites	Preceded or accompanied by both Chem 1 and Chem 4. 4 or equivalent training program approved by S&T.				
Field Trip					
Statement					
Credit Hours	LEC: 0	LAB: 1	IND: 0	RSD: 0	Total: 1
Required for	Yes No				
Majors					
Elective for	No				
Majors					
Justification for change:	No list of equivalent or approved training courses for Missouri S&T				
Semesters previously offered as an experimental course					
Co-Listed Courses:					

Course Reviewer					
Comments					

Key: 238

Course Inventory Change Request

Date Submitted: 10/10/13 3:03 pm

Viewing: **CHEM 343 : Introduction To Quantum Chemistry**

File: 268.1

Last edit: 10/10/13 3:03 pm

Changes proposed by: tschuman

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. Peoplesoft

Programs referencing this course	CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS CR ENG-BS: Ceramic Engineering BS
Other Courses referencing this course	In The Catalog Description: CHEM 445 : Quantum Chemistry I In The Prerequisites: CHEM 344 : Advanced Physical Chemistry CHEM 435 : Principles Of Inorganic Chemistry CHEM 444 : Spectroscopy CHEM 446 : Quantum Chemistry II CHEM 455 : Chemical Spectroscopy

Requested Effective Change Date	Fall 2014 3 Jan 11
Department	Chemistry
Discipline	Chemistry (CHEM)
Course Number	343
Title	Introduction To Quantum Chemistry
Abbreviated Course Title	Intro To Quantum Chem

Approval Path

1. 11/20/13 2:28 pm
woelkk: Approved for RCHEMIST Chair
2. 01/09/14 11:06 am
lahne: Approved for CCC Secretary
3. 01/17/14 11:53 am

Catalog Description	A study of molecular structures and spectroscopy, statistical thermodynamics, kinetic theory, chemical kinetics, crystals, and liquids.				
Prerequisites	Math 22 ; 22 -Physics 24 or Physics 25 ; preceded or accompanied by Stat 213. 25.				
Field Trip Statement					
Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0	Total: 3
Required for Majors	Yes - No				
Elective for Majors	No				

4. 01/17/14 4:02 pm
lahne: Approved for Pending CCC Agenda post
5. 02/05/14 1:46 pm
kleb6b: Approved for CCC Meeting Agenda
6. 02/06/14 6:17 pm
tauritzd: Approved for Campus Curricula Committee Chair

Justification for change: Prerequisite added to reflect desired preparatory content

Semesters previously offered as an experimental course

Co-Listed

Courses:

Course Reviewer

Comments

Key: 268

Course Inventory Change Request

Date Submitted: 10/10/13 3:05 pm

Viewing: **CHEM 355 : Instrumental Methods Of Chemical Analysis**

File: 270.1

Last edit: 10/10/13 3:05 pm

Changes proposed by: tschuman

Programs referencing this course	CHEM-BA: Chemistry BA	<p>In Workflow</p> <ol style="list-style-type: none"> 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. Peoplesoft <p>Approval Path</p> <ol style="list-style-type: none"> 1. 11/20/13 2:29 pm woelkk: Approved for RCHEMIST Chair 2. 01/09/14 11:07 am lahne: Approved for CCC Secretary 3. 01/17/14 11:53 am tauritzd: Approved for Sciences DSCC Chair 4. 01/17/14 4:02 pm lahne: Approved for Pending CCC Agenda post 5. 02/05/14 1:46 pm kleb6b: Approved for CCC Meeting Agenda 6. 02/06/14 6:17 pm tauritzd: Approved for Campus Curricula Committee Chair
Other Courses referencing this course	<p>In The Catalog Description:</p> <p>CHEM 453 : Separations</p> <p>In The Prerequisites:</p> <p>CHEM 455 : Chemical Spectroscopy</p> <p>CHEM 458 : Principles And Applications Of Mass Spectrometry</p> <p>CHEM 459 : Mass Spectrometry of Macromolecules</p>	
Requested Effective Change Date	Fall 2014 3 Jan 11	
Department	Chemistry	
Discipline	Chemistry (CHEM)	
Course Number	355	
Title	Instrumental Methods Of Chemical Analysis	
Abbreviated Course Title	Instr Mthds-Chem Analys	
Catalog Description	Principles and analytical applications of molecular spectroscopy, chromatographic separations, mass spectrometry, and radiochemistry. A brief overview of instrument electronics, signal generation and processing, and automated analysis is also provided.	
Prerequisites	Chem 251 and 4 , Chem 243 151 , Chem 223, Chem 243-	
Field Trip Statement		
Credit Hours	LEC: 3 LAB: 1 IND: 0 RSD: 0 Total: 4	
Required for Majors	Yes No	
Elective for Majors	No	
Justification for change:	Prerequisite changed to reflect desired preparatory content. Dropping chem 4 as departmental requirement.	
Semesters previously offered as an experimental course		

Co-Listed

Courses:

Course Reviewer

Comments

Key: 270

Course Inventory Change Request

Date Submitted: 10/10/13 3:14 pm

Viewing: **CHEM 362 : General Biochemistry Laboratory**

File: 272.1

Last edit: 01/17/14 11:54 am

Changes proposed by: tschuman

Programs referencing this course	CH ENG-BS: Chemical Engineering BS CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS	In Workflow 1. RCHEMIST Chair 2. CCC Secretary 3. Sciences DSCC Chair 4. Pending CCC Agenda post 5. CCC Meeting Agenda
Requested Effective Change Date	Fall 2014 1 Jan 08	6. Campus Curricula Committee Chair 7. FS Meeting Agenda
Department	Chemistry	8. Faculty Senate Chair
Discipline	Chemistry (CHEM)	9. Registrar
Course Number	362	10. Peoplesoft
Title	General Biochemistry Laboratory	
Abbreviated Course Title	General Biochemistry Lab	Approval Path
Catalog Description	Experiments are integrated with the lectures and cover the chemical and physical properties of proteins, enzymes, nucleic acids, carbohydrates and lipids.	1. 11/20/13 2:29 pm woelkk: Approved for RCHEMIST Chair
Prerequisites	Preceded or accompanied by both Chem 361 and Chem 4 . 4 or an equivalent training program approved by S&T.	2. 01/09/14 11:08 am lahne: Approved for CCC Secretary
Field Trip Statement		3. 01/17/14 11:54 am tauritzd: Approved for Sciences DSCC Chair
Credit Hours	LEC: 0 LAB: 2 IND: 0 RSD: 0 Total: 2	4. 01/17/14 4:03 pm lahne: Approved for Pending CCC Agenda post
Required for Majors	Yes-No	5. 02/05/14 1:46 pm kleb6b: Approved for CCC Meeting Agenda
Elective for Majors	No	6. 02/06/14 6:18 pm tauritzd: Approved for Campus Curricula Committee Chair
Justification for change:	No list of equivalent or approved training courses for Missouri S&T	
Semesters previously offered as an experimental course		
Co-Listed Courses:		
Course Reviewer Comments		

Key: 272

Course Inventory Change Request

Date Submitted: 10/10/13 3:07 pm

Viewing: **CHEM 375 : Principles Of Environmental Monitoring**

File: 274.1

Last edit: 10/10/13 3:07 pm

Changes proposed by: tschuman

Programs referencing this course	CHEM-BA: Chemistry BA	In Workflow <ol style="list-style-type: none"> 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. Peoplesoft
Requested Effective Change Date	Fall 2014 10-Jan-96	
Department	Chemistry	
Discipline	Chemistry (CHEM)	
Course Number	375	
Title	Principles Of Environmental Monitoring	
Abbreviated Course Title	Prin Env Monitoring	Approval Path <ol style="list-style-type: none"> 1. 11/20/13 2:29 pm woelkk: Approved for RCHEMIST Chair 2. 01/09/14 11:09 am lahne: Approved for CCC Secretary 3. 01/17/14 11:54 am tauritzd: Approved for Sciences DSCC Chair 4. 01/17/14 4:03 pm lahne: Approved for Pending CCC Agenda post 5. 02/05/14 1:46 pm kleb6b: Approved for CCC Meeting Agenda 6. 02/06/14 6:18 pm tauritzd: Approved for Campus Curricula Committee Chair
Catalog Description	This course provides an overview of environmental monitoring methodologies. Discussion covers thermodynamic and kinetic processes that affect chemical transport and fate in the environment. Federal environmental regulations and remediation technologies are also covered with specific examples.	
Prerequisites	Chem 221 ; 221 , Physics 21 or Physics 23 . 25 .	
Field Trip Statement		
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	
Required for Majors	Yes-No	
Elective for Majors	No	
Justification for change:	Prerequisite changed to reflect desired preparatory content	
Semesters previously offered as an experimental course		
Co-Listed Courses:		
Course Reviewer Comments		

Key: 274

Course Inventory Change Request

Date Submitted: 10/10/13 3:16 pm

Viewing: **CHEM 384 : Polymer Science Laboratory**

File: 1764.1

Last edit: 01/17/14 11:55 am

Changes proposed by: tschuman

Programs [CHEM-BA: Chemistry BA](#)
referencing this [CHEM-BS: Chemistry BS](#)
course

Requested **Fall 2014** ~~1 Jan 08~~
Effective Change
Date

Department Chemistry

Discipline Chemistry (CHEM)

Course Number 384

Title Polymer Science Laboratory

Abbreviated Polymer Science Lab
Course Title

Catalog Lectures and laboratory experiments dealing with polymerization reactions, solution
Description properties and bulk or solid properties will be presented. Each student will prepare
polymers and carry out all characterization experiments on actual samples.

Prerequisites Chem 381 **and** ~~or Chem Eng 375,~~ preceded or accompanied by Chem **4. 4** ~~or an~~
~~equivalent training program approved by S&T.~~

Field Trip
Statement

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

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

Justification for No list of equivalent or approved training courses for Missouri S&T. Reflected a prior
change: course designation in other department, whose course is sparingly offered.

Semesters
previously
offered as an
experimental
courseCo-Listed
Courses:Course Reviewer
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. Peoplesoft

Approval Path

1. 11/20/13 2:30 pm

woelkk: Approved
for RCHEMIST
Chair

2. 01/09/14 11:09
am

lahne: Approved
for CCC Secretary

3. 01/17/14 11:55
am

tauritzd:
Approved for
Sciences DSCC
Chair

4. 01/17/14 4:04 pm

lahne: Approved
for Pending CCC
Agenda post

5. 02/05/14 1:46 pm

kleb6b: Approved
for CCC Meeting
Agenda

6. 02/06/14 6:18 pm

tauritzd:
Approved for
Campus Curricula
Committee Chair

Key: 1764

Course Inventory Change Request

Date Submitted: 10/10/13 3:10 pm

Viewing: **CHEM 52 : Elementary Quantitative Chemical Analysis**

File: 245.1

Last edit: 01/17/14 11:56 am

Changes proposed by: tschuman

Other Courses referencing this course	In The Catalog Description: CHEM 51 : Elementary Quantitative Chemical Analysis	In Workflow 1. RCHEMIST Chair 2. CCC Secretary 3. Sciences DSCC Chair 4. Pending CCC Agenda post 5. CCC Meeting Agenda
Requested Effective Change Date	Fall 2014 1 Jan-08	6. Campus Curricula Committee Chair 7. FS Meeting Agenda
Department	Chemistry	8. Faculty Senate Chair
Discipline	Chemistry (CHEM)	9. Registrar
Course Number	52	10. Peoplesoft
Title	Elementary Quantitative Chemical Analysis	Approval Path
Abbreviated Course Title	Elem Quant Chem Analysis	1. 11/20/13 2:30 pm woelkk: Approved for RCHEMIST Chair
Catalog Description	The application of the principles of analytical chemistry in gravimetric and volumetric determinations.	2. 01/09/14 10:38 am lahne: Approved for CCC Secretary
Prerequisites	To be accompanied by Chem 51 and preceded or accompanied by Chem 4. 4 or an equivalent training program approved by S&T.	3. 01/17/14 11:56 am tauritzd: Approved for Sciences DSCC Chair
Field Trip Statement		4. 01/17/14 4:04 pm lahne: Approved for Pending CCC Agenda post
Credit Hours	LEC: 0 LAB: 2 IND: 0 RSD: 0 Total: 2	5. 02/05/14 1:46 pm kleb6b: Approved for CCC Meeting Agenda
Required for Majors	No	6. 02/06/14 6:19 pm tauritzd: Approved for Campus Curricula Committee Chair
Elective for Majors	Yes-No	
Justification for change:	No list of equivalent or approved training courses for Missouri S&T	
Semesters previously offered as an experimental course		
Co-Listed Courses:		
Course Reviewer Comments		

Key: 245

Course Inventory Change Request

Date Submitted: 10/10/13 3:10 pm

Viewing: **CHEM 8 : Qualitative Analysis**

File: 241.1

Last edit: 01/17/14 11:57 am

Changes proposed by: tschuman

Programs referencing this course	CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS CHEM-MI: Chemistry Minor	In Workflow 1. RCHEMIST Chair 2. CCC Secretary 3. Sciences DSCC Chair 4. Pending CCC Agenda post 5. CCC Meeting Agenda
Requested Effective Change Date	Fall 2014 1 Jan 08	6. Campus Curricula Committee Chair 7. FS Meeting Agenda
Department	Chemistry	8. Faculty Senate Chair
Discipline	Chemistry (CHEM)	9. Registrar
Course Number	8	10. Peoplesoft
Title	Qualitative Analysis	Approval Path
Abbreviated Course Title	Qualitative Analysis	1. 11/20/13 2:30 pm woelkk: Approved for RCHEMIST Chair
Catalog Description	This course is to accompany the study of the metals in general chemistry and is devoted to the qualitative separation and detection of the metals.	2. 01/09/14 10:37 am lahne: Approved for CCC Secretary
Prerequisites	Preceded or accompanied by both Chem 3 and Chem 4 . 4 or an equivalent training program approved by S&T.	3. 01/17/14 11:57 am tauritzd: Approved for Sciences DSCC Chair
Field Trip Statement		4. 01/17/14 4:05 pm lahne: Approved for Pending CCC Agenda post
Credit Hours	LEC: 0 LAB: 2 IND: 0 RSD: 0 Total: 2	5. 02/05/14 1:46 pm kleb6b: Approved for CCC Meeting Agenda
Required for Majors	Yes-No	6. 02/06/14 6:19 pm tauritzd: Approved for Campus Curricula Committee Chair
Elective for Majors	No	
Justification for change:	No list of equivalent or approved training courses for Missouri S&T	
Semesters previously offered as an experimental course		
Co-Listed Courses:		
Course Reviewer Comments		

Key: 241

Course Inventory Change Request

New Course Proposal

Date Submitted: 12/11/13 1:06 pm

Viewing: **ENGLISH 2250 : American Short Story**

File: 4029

Last edit: 01/17/14 4:06 pm

Changes proposed by: kswenson

Requested	Fall 2014
Effective Change Date	
Department	English and Technical Communication
Discipline	English (ENGLISH)
Course Number	2250
Title	American Short Story
Abbreviated Course Title	American Short Story

Catalog Description	This course follows the development of the short story genre from its early nineteenth-century beginnings up to and including stories written by contemporary American authors.				
Prerequisites	English 1120				
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 taught twice with success. It fills a need in the department curriculum for a course focusing on the short story genre. It offers an intensive reading course in American literature for non-majors.

Semesters previously offered as an experimental course
 FS13 - 11 enrolled
 FS10 - 11 enrolled

Co-Listed Courses:

Course Reviewer Comments

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. Peoplesoft

Approval Path

1. 12/11/13 1:08 pm kswenson: Approved for RENG LISH Chair
2. 01/09/14 9:03 am lahne: Approved for CCC Secretary
3. 01/10/14 10:07 am ivliyeva: Approved for Arts & Humanities DSCC Chair
4. 01/17/14 4:06 pm lahne: Approved for Pending CCC Agenda post
5. 02/05/14 1:47 pm kleb6b: Approved for CCC Meeting Agenda
6. 02/06/14 6:19 pm tauritzd: Approved for Campus Curricula Committee Chair

Key: 4029

Course Inventory Change Request

Date Submitted: 11/07/13 1:07 pm

Viewing: **ENGLISH 3170 311: Teaching And Supervising Reading and Writing**

File: 714.1

Last edit: 02/06/14 6:20 pm

Changes proposed by: kswenson

Requested **Fall 2014** ~~11 Jun 02~~
 Effective Change
 Date
 Department English and Technical Communication
 Discipline English (ENGLISH)
 Course Number **3170** ~~311~~
 Title Teaching And Supervising **Reading and** Writing
 Abbreviated **Teach Read & Write**
 Course Title ~~Tching&Supervising Writ~~

Catalog Description Students will study contemporary and traditional approaches to **reading and** writing instruction. The course will give students practice in applying **literacy composition theory** and **composition theory and** research to development of teaching methods, including course syllabi **and and** assignments.

Prerequisites 6 hours of college level writing courses.

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: Reading component is added in the title and description to a) more closely reflect the way the course is currently being taught and b) to satisfy new DESE requirements for education majors.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

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. Peoplesoft

Approval Path

1. 11/07/13 1:08 pm kswenson: Approved for RENG LISH Chair
2. 01/09/14 9:03 am lahne: Approved for CCC Secretary
3. 01/10/14 10:11 am ivliyeva: Approved for Arts & Humanities DSCC Chair
4. 01/17/14 4:07 pm lahne: Approved for Pending CCC Agenda post
5. 02/05/14 1:47 pm kleb6b: Approved for CCC Meeting Agenda
6. 02/06/14 6:21 pm tauritzd: Approved for Campus Curricula Committee Chair

Key: 714

Course Inventory Change Request

Date Submitted: 09/25/13 8:13 am

Viewing: **IS&T 321 : Network Performance Design And Management**

File: 928.1

Last edit: 09/25/13 8:13 am

Changes proposed by: barryf

Requested	Fall 2014 16 Aug 10
Effective Change Date	
Department	RINFSCTE
Discipline	Info Science & Technology (IS&T)
Course Number	321
Title	Network Performance Design And Management
Abbreviated Course Title	Netwrk Perform Dsgn&Mgt

Catalog Description	This course provides analytical capabilities needed to effectively design, deploy, and manage computer networks and protocols.				
Prerequisites	IS&T 223, IS&T 233.				
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: Update prerequisites to reflect current teaching of the course.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

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. Peoplesoft

Approval Path

1. 09/25/13 7:09 pm
siau: Approved for RINFSCTE Chair
2. 01/09/14 9:20 am
lahne: Approved for CCC Secretary
3. 01/10/14 8:14 pm
barryf: Approved for Social Sciences DSCC Chair
4. 01/17/14 4:19 pm
lahne: Approved for Pending CCC Agenda post
5. 02/05/14 1:47 pm
kleb6b: Approved for CCC Meeting Agenda
6. 02/06/14 6:21 pm
tauritzd: Approved for Campus Curricula Committee Chair

Key: 928

Course Inventory Change Request

Date Submitted: 09/25/13 8:13 am

Viewing: **IS&T 386 : Human-Computer Interaction Prototyping**

File: 1864.1

Last edit: 09/25/13 8:13 am

Changes proposed by: barryf

Catalog Pages referencing this course	Information Science and Technology Information Science and 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. Peoplesoft
Programs referencing this course	BUS&MS-BS: Business and Mgmt Systems BS E&S COM-MI: Elect & Social Commerce Minor ENTPRNS-MI: Entrepreneurship Minor IST-BS: Information Science and Technology BS MOBL&T-MI: Mobile Bus & Tech Minor	
Requested Effective Change Date	Fall 2014 15 Jan 13	
Department	RINFSCTE	Approval Path 1. 09/25/13 7:09 pm siauk: Approved for RINFSCTE Chair 2. 01/09/14 9:20 am lahne: Approved for CCC Secretary 3. 01/10/14 8:22 pm barryf: Approved for Social Sciences DSCC Chair 4. 01/17/14 4:20 pm lahne: Approved for Pending CCC Agenda post 5. 02/05/14 1:48 pm kleb6b: Approved for CCC Meeting Agenda 6. 02/06/14 6:21 pm tauritzd: Approved for Campus Curricula Committee Chair
Discipline	Info Science & Technology (IS&T)	
Course Number	386	
Title	Human-Computer Interaction Prototyping	
Abbreviated Course Title	HCI Prototyping	
Catalog Description	This course covers methods and tools for creating low and high fidelity prototypes of IT systems as well as design concepts, including best practices and guidelines for different form factors (e.g., desktop vs. mobile).	
Prerequisites	Preceded IS&T 286 or web design experience; preceded or accompanied by IS&T 385.	
Field Trip Statement		
Credit Hours	LEC: 1.5 LAB: 1.5 IND: 0 RSD: 0 Total: 3	
Required for Majors	No	
Elective for Majors	Yes No	
Justification for change:	Update prerequisites.	
Semesters previously offered as an experimental course		
Co-Listed Courses:		

Course Reviewer
Comments

Key: 1864

Course Inventory Change Request

Date Submitted: 09/25/13 8:22 am

Viewing: **IS&T 487 : Research Methods in Human-Computer Interaction**

File: 1862.1

Last edit: 09/25/13 8:22 am

Changes proposed by: barryf

<p>Catalog Pages referencing this course</p> <p>Information Science and Technology Information Science and Technology Psychology Psychology Technical Communication</p> <p>Programs referencing this course</p> <p>TCH CM-MIG: Technical Communication Minor</p>	<p>In Workflow</p> <ol style="list-style-type: none"> 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. Peoplesoft
<p>Requested Effective Change Date</p> <p>Fall 2014 17 Aug 09</p> <p>Department: RINFSCTE</p> <p>Discipline: Info Science & Technology (IS&T)</p> <p>Course Number: 487</p> <p>Title: Research Methods in Human-Computer Interaction</p> <p>Abbreviated Course Title: HCI Research Methods</p>	<p>Approval Path</p> <ol style="list-style-type: none"> 1. 09/25/13 7:09 pm siauk: Approved for RINFSCTE Chair 2. 01/09/14 9:19 am lahne: Approved for CCC Secretary 3. 01/10/14 8:22 pm barryf: Approved for Social Sciences DSCC Chair 4. 01/17/14 4:20 pm lahne: Approved for Pending CCC Agenda post 5. 02/05/14 1:48 pm kleb6b: Approved for CCC Meeting Agenda 6. 02/06/14 6:22 pm tauritzd:
<p>Catalog Description</p> <p>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.</p> <p>Prerequisites: Preceded or accompanied by IS&T 385.</p> <p>Field Trip Statement</p> <p>Credit Hours: LEC: 1.5 LAB: 1.5 IND: 0 RSD: 0 Total: 3</p> <p>Required for Majors: No</p> <p>Elective for Majors: No</p>	<p>Approved for Campus Curricula Committee Chair</p>
<p>Justification for change:</p> <p>Update prerequisite.</p> <p>Semesters previously offered as an experimental course</p>	<p>Approved for Campus Curricula Committee Chair</p>

Co-Listed

Courses:

Course Reviewer

Comments

Key: 1862

Course Inventory Change Request

New Course Proposal

Date Submitted: 11/21/13 11:03 am

Viewing: **PHILOS 4325 : Epistemology: Knowledge and Justification**

File: 4023

Last edit: 02/05/14 1:48 pm

Changes proposed by: denises

Requested	Fall 2014
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Philosophy (PHILOS)
Course Number	4325
Title	Epistemology: Knowledge and Justification
Abbreviated Course Title	Epistemology

Catalog Description
An introduction to the field of epistemology, the study of the scope, the limits, the sources, and the nature of knowledge and justified belief. Includes analyses of knowledge and justification, skepticism, scientific knowledge, and naturalism, among other topics.

Prerequisites
Proposed: Any 1000 or higher level philosophy course. Philosophy 1105 recommended.

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:
Students in this course will acquire a thorough understanding of the nature and structure of knowledge and justified belief by learning and critically evaluating prominent and historically significant (1) theories of propositional, a priori, and perceptual knowledge, (2) theories of justification, and (3) forms of skepticism.

Semesters previously offered as an experimental course
Fall 2012, Fall 2013

Co-Listed Courses:

Course Reviewer Comments

In Workflow

1. RPHILOS 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. Peoplesoft

Approval Path

1. 12/03/13 12:12 pm
lahne: Approved for RPHILOS Chair
2. 01/09/14 8:53 am
lahne: Approved for CCC Secretary
3. 01/10/14 10:12 am
ivliyeva: Approved for Arts & Humanities DSCC Chair
4. 01/17/14 4:21 pm
lahne: Approved for Pending CCC Agenda post
5. 02/05/14 1:48 pm
kleb6b: Approved for CCC Meeting Agenda
6. 02/06/14 6:23 pm
tauritzd: Approved for Campus Curricula Committee Chair

Key: 4023

Course Inventory Change Request

Date Submitted: 12/05/13 8:51 am

Viewing: **RUSSIAN 4360** ~~360~~: Russian Civilization

File: 1409.1

Last edit: 02/05/14 1:48 pm

Changes proposed by: ivliyeva

Requested **Fall 2014** ~~13-Aug-12~~
 Effective Change
 Date
 Department Arts, Languages, & Philosophy
 Discipline Russian (RUSSIAN)
 Course Number **4360** ~~360~~
 Title Russian Civilization
 Abbreviated
 Course Title Russian Civilization

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. Peoplesoft

Catalog Description Introduction to Russian **civilization** ~~history~~ and culture from the 9th to the **19th** ~~20th~~ century exploring the interrelation between Russian society, its history and its cultural expression in painting, literature, **music, visual arts** ~~music~~ and architecture over the past thousand years. ~~The periods covered include Kievan Russia, the birth of Christianity, the Mongol invasion, Ivan the Terrible, Peter the Great, Catherine the Great, and Imperial Russia.~~

Prerequisites Any **1000 or higher** ~~1xx~~-level history course.

Field Trip Statement

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

Required for Majors No

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

Approval Path

1. 12/05/13 8:56 am
lahne: Approved for RPHILOSO Chair
2. 01/09/14 8:53 am
lahne: Approved for CCC Secretary
3. 01/10/14 10:12 am
ivliyeva: Approved for Arts & Humanities DSCC Chair
4. 01/17/14 4:22 pm
lahne: Approved for Pending CCC Agenda post
5. 02/05/14 1:49 pm
kleb6b: Approved for CCC Meeting Agenda
6. 02/06/14 6:23 pm
tauritzd: Approved for Campus Curricula Committee Chair

Justification for change: Renumbering

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments

Key: 1409

Course Inventory Change Request

New Experimental Course Proposal

Date Submitted: 11/20/13 10:17 am

Viewing: **STAT 6001.TBD : Foundations of Statistical Learning**

File: 4022

Last edit: 02/05/14 1:49 pm

Changes proposed by: imorgan

Requested	Fall 2014
Effective Change Date	
Department	Mathematics & Statistics
Discipline	Statistics (STAT)
Course Number	6001
Topic ID	TBD
Title	Foundations of Statistical Learning
Abbreviated Course Title	Statistical Learning
Instructors	Robert L. Paige

Catalog Description	An introduction to the statistical foundations of data-analytic techniques commonly used in Data Mining and the analysis of Big Data, including spline and kernel methods, principal component analysis, dimension reduction, neural networks, tree-based methods, nearest neighbors methods, support vector machines, bagging and boosting.				
Prerequisites	Math 22; one of Math 208, 308 or 408; one of Stat 211, 213, 215, 217 or 343				
Field Trip Statement					
Credit Hours	LEC: 3.0	LAB: 0.0	IND: 0.0	RSD: 0.0	Total: 3.0

Justification for new course: Data Mining and Big Data are part of what many consider to be a revolution in the data sciences and as such have generated much interest. The techniques covered in Statistical Learning provide access to much of what is going on in Data Mining and Big Data.

Semester(s) previously taught: None

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**
8. **Peoplesoft**

Approval Path

1. 11/20/13 10:31 am
sclark: Approved for RMATHEMA Chair
2. 12/05/13 9:25 am
lahne: Approved for CCC Secretary
3. 01/09/14 5:00 pm
tauritzd: Approved for Sciences DSCC Chair
4. 01/17/14 4:22 pm
lahne: Approved for Pending CCC Agenda post
5. 02/05/14 1:49 pm
kleb6b: Approved for CCC Meeting Agenda
6. 02/06/14 6:24 pm
tauritzd: Approved for Campus Curricula Committee Chair
7. 02/07/14 8:34 am
lahne: Approved for Registrar

Key: 4022