

Missouri University of Science and Technology

Formerly University of Missouri-Rolla

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.

Page 1



Missouri University of Science and Technology

Formerly University of Missouri-Rolla

Daniel Tauritz, Chair

Daniel Javita

Missouri S&T Campus Curricula Committee

Page 2

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:
 - 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.

Date Submitted: 08/16/13 9:43 am In Workflow Viewing: BIO SCI 2333 328: Nutrition-Nutritional And Medicinal Properties Of 1. RBIOLSCI Chair **Plants** 2. CCC Secretary 3. Sciences DSCC File: 122.1 Chair Last edit: 01/17/14 11:24 am 4. Pending CCC Changes proposed by: aronstam Agenda post Fall 2014 14 Aug 06 Requested 5. CCC Meeting **Effective Change** Agenda Date 6. Campus Curricula **Committee Chair** Department **Biological Sciences** 7. FS Meeting Discipline Biological Sciences (BIO SCI) Agenda Course Number 2333-328 8. Faculty Senate Chair Title **Nutrition Nutritional And Medicinal Properties Of Plants** 9. Registrar Abbreviated **Nutrition Nutri & Med Prop** 10. Peoplesoft Course Title **Plants** Approval Path Catalog This introductory course provides an overview of the principles of nutritional science. Topics include the description and functions of nutrients, how nutrients Description 1. 08/16/13 9:45 am are digested and absorbed, effects A survey of nutrient imbalances, food sources, aronstam: nutrient interactions, dietary guidelines, the biochemical and physiological Approved for **RBIOLSCI** Chair sary in human nutrition; and the role an overview of nutrition in weight 2. 01/09/14 9:04 am management, health the medicinal derivatives of various plants, their effects and lahne: Approved disease. uses. for CCC Secretary 3. 01/17/14 11:24 Prerequisites Bio Sci 110 or Bio Sci 111 111; and Bio Sci 211. am Field Trip tauritzd: Statement Approved for **Credit Hours** LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3 Sciences DSCC Chair Required for No 4. 01/17/14 3:48 pm Majors lahne: Approved Elective for Yes-No for Pending CCC Majors Agenda post 5. 02/05/14 1:39 pm Justification for Course now focuses on human nutrition and not exclusively on plant products. kleb6b: Approved change: for CCC Meeting Semesters NΔ Agenda previously 6. 02/06/14 6:04 pm offered as an tauritzd: experimental Approved for course Campus Curricula Committee Chair Co-Listed Courses: Course Reviewer Comments

	New Course Proposal	In Manual II and
Date Submitted: 10/	30/13 9:41 am	In Workflow
viewing: BIO SO	CI 252, 2264 : Field Ecology	1. RBIOLSCI Chair 2. CCC Secretary
File: 4016		3. Sciences DSCC
Last edit: 02/07/14	1 11:19 am	Chair
Changes proposed b	y: niyogid	4. Pending CCC
Requested	Summer 2014	Agenda post 5. CCC Meeting
Effective Change		Agenda
Date		6. Campus Curricu
Department	Biological Sciences	Committee Chai
Discipline	Biological Sciences (BIO SCI)	7. FS Meeting
Course Number	252, 2264	Agenda 8. Faculty Senate
Title	Field Ecology	Chair
Abbreviated	Field Ecology	9. Registrar
Course Title		10. Peoplesoft
Catalog	Field-based class designed to teach students applications of ecological research.	Approval Path
Description	Students will study distribution and abundance of organisms in aquatic and	1. 10/30/13 9:45 a
	terrestrial systems in the Ozarks. Class includes lectures and field sampling in the Rolla area.	aronstam:
Droroquisitos	Any BioSci course	Approved for RBIOLSCI Chair
Prerequisites		2. 01/09/14 9:04 a
Field Trip Statement	This class includes field trips at minor student expense.	lahne: Approved
	LEC: 1 LAB: 1 IND: 0 RSD: 0 Total: 2	for CCC Secretar
Credit Hours		3. 01/17/14 11:29 am
Required for Majors	No	tauritzd:
Elective for	Vec	Approved for
Majors	Yes	Sciences DSCC
-		Chair 4. 01/17/14 3:53 pi
Justification for new course:	This class has been taught as an experimental class (201) two times and is being given a permanent number.	lahne: Approved
new course.	This course typically runs all day for one week during intersession.	for Pending CCC
Semesters	SS2012 - 12 enrolled	Agenda post
previously	SS2013 - 13 enrolled	5. 02/05/14 1:42 p kleb6b: Approve
offered as an		for CCC Meeting
experimental		Agenda
course		6. 02/07/14 11:20
Co-Listed		am
Courses:		tauritzd: Approved for
Course Reviewer		Campus Curricul
Comments		Committee Chair

Date Submitted: 10	/10/13 3:11 pm	
Viewing: CHEN	1 151 : Analytical Chemistry I	In Workflow
File: 248.1		1. RCHEMIST Chair 2. CCC Secretary
Last edit: 10/10/1	.3 3:11 pm	3. Sciences DSCC
Changes proposed	oy: tschuman	Chair
	CH ENG-BS: Chemical Engineering BS	4. Pending CCC
Programs referencing this	CHEM-BA: Chemistry BA	Agenda post
course	CHEM-BS: Chemistry BS	5. CCC Meeting
000.00	CHEM-MI: Chemistry Minor	Agenda 6. Campus Curricula
Other Courses	In The Catalog Description:	Committee Chair
referencing this	CHEM 251 : Analytical Chemistry II	7. FS Meeting
course	In The Prerequisites:	Agenda
	CHEM 355 : Instrumental Methods Of Chemical Analysis	8. Faculty Senate
Requested	Fall 2014 1 Jan 08	Chair
Effective Change		 Registrar Peoplesoft
Date		
Department	Chemistry	Approval Path
Discipline	Chemistry (CHEM)	1. 11/20/13 2:23 pr
Course Number	151	woelkk: Approve
Title	Analytical Chemistry I	for RCHEMIST Chair
Abbreviated	Analytical Chemistry I	2. 01/09/14 9:07 an
Course Title		lahne: Approved
Catalog	A study of analytical chemistry including an introduction to experimental error,	for CCC Secretary
Description	statistics, principles of gravimetric and combustion analysis, chemical equilibrium,	3. 01/17/14 11:29
, , ,	acid - base titrations, and electro-analytical determinations.	am tauritzd:
Prerequisites	Chem 3 and preceded or accompanied by Chem 4. 4 or equivalent training program	Approved for
·	approved by S&T.	Sciences DSCC
Field Trip		Chair
Statement		4. 01/17/14 3:54 pr
Credit Hours	LEC: 3 LAB: 1 IND: 0 RSD: 0 Total: 4	lahne: Approved for Pending CCC
Required for	Yes -No	Agenda post
Majors	103110	5. 02/05/14 1:44 pr
Elective for	No	kleb6b: Approved
Majors		for CCC Meeting Agenda
		6. 02/06/14 6:14 pr
Justification for change:	No list of equivalent or approved training courses for Missouri S&T	tauritzd:
_		Approved for
Semesters previously		Campus Curricula
offered as an		Committee Chair
experimental		
course		
Co-Listed		
Courses:		

Course Reviewer Comments

Date Submitted: 10,	(10/13 3:19 pm	
Viewing: CHEM	203: MST General Chemistry Lab	In Workflow
File: 1888.1	•	1. RCHEMIST Chair
ast edit: 10/10/1	3 3:19 pm	2. CCC Secretary
Changes proposed b		3. Sciences DSCC Chair
Requested	Fall 2014 1 Jan 08	4. Pending CCC
Effective Change	Fall 201 4 1 3011 00	Agenda post
Date		5. CCC Meeting
Department	Chemistry	Agenda
•	,	6. Campus Curricula
Discipline	Chemistry (CHEM)	Committee Chair
Course Number	203	7. FS Meeting
Title	MST General Chemistry Lab	Agenda 8. Faculty Senate
Abbreviated	MST General Chem Lab	Chair
Course Title		9. Registrar
		10. Peoplesoft
Catalog	The laboratory work accompanying the MST chemistry courses consists of	
Description	experiments designed to supplement the lecture work in chemistry. This course is primarily intended for secondary education science teachers. Credit will not be given	Approval Path
	for both Chemistry 2 and Chemistry 203. Preceded or accompanied by Chem 204 or	1. 11/20/13 2:23 pr
	equivalent training program approved by S&T.	woelkk: Approve
December 12th		for RCHEMIST
Prerequisites	Entrance requirements for the MST program and preceded or accompanied by either Chem 4 or Chem 204. program.	Chair
	either Chem 4 or Chem 204. program.	2. 01/09/14 10:29
Field Trip		am
Statement		lahne: Approved
Credit Hours	LEC: 0 LAB: 1 IND: 0 RSD: 0 Total: 1	for CCC Secretary 3. 01/17/14 11:30
Required for	Yes -No	am
Majors		tauritzd:
Elective for	No	Approved for
Majors		Sciences DSCC
		Chair
Justification for	There is no list of equivalent or approved courses for Missouri S&T. Moves prereqs	4. 01/17/14 3:55 pr
change:	to appropriate line.	lahne: Approved
Semesters		for Pending CCC
previously		Agenda post 5. 02/05/14 1:44 pr
offered as an experimental		kleb6b: Approved
course		for CCC Meeting
		Agenda
Co-Listed		6. 02/06/14 6:15 pr
Courses:		tauritzd:
Course Reviewer		Approved for
Comments		Campus Curricula
		Committee Chair

Date Submitted: 10	/10/13 3:11 pm	1-14-16
Viewing: CHEN	1 226 : Organic Chemistry I Lab	In Workflow
File: 253.1		1. RCHEMIST Chair 2. CCC Secretary
Last edit: 10/10/1	3 3:11 pm	3. Sciences DSCC
Changes proposed	by: tschuman	Chair
_	BIO SC-BA: Biological Sciences BA	4. Pending CCC
Programs	BIO SC-BS: Biological Sciences BS	Agenda post
referencing this course	CHEM-BA: Chemistry BA	5. CCC Meeting
course	CHEM-BS: Chemistry BS	Agenda
	CHEM-MI: Chemistry Minor	6. Campus Curricula
	PRE-MED-MI: Pre-Medicine Minor	Committee Chair 7. FS Meeting
Other Courses	In The Catalog Description:	Agenda
referencing this	CHEM 228 : Organic Chemistry II Lab	8. Faculty Senate
course	In The Prerequisites:	Chair
	CHEM 228 : Organic Chemistry II Lab	9. Registrar
Requested	Fall 2014-1 Jan 08	10. Peoplesoft
Effective Change		A
Date		Approval Path
Department	Chemistry	1. 11/20/13 2:24 pm
Discipline	Chemistry (CHEM)	woelkk: Approved for RCHEMIST
·		Chair
Course Number	226	2. 01/09/14 10:29
Title	Organic Chemistry I Lab	am
Abbreviated	Organic Chemistry I Lab	lahne: Approved
Course Title		for CCC Secretary
Catalog	Laboratory involves purification techniques, simple and multistep synthesis and	3. 01/17/14 11:30
Catalog Description	spectroscopic identification of organic functional groups.	am
		tauritzd: Approved for
Prerequisites	Preceded or accompanied by Chem 221 and either Chem 4. 4 or an equivalent training program approved by S&T.	Sciences DSCC
	training program approved by s&r.	Chair
Field Trip		4. 01/17/14 3:56 pm
Statement		lahne: Approved
Credit Hours	LEC: 0 LAB: 1 IND: 0 RSD: 0 Total: 1	for Pending CCC
Required for	Yes- No	Agenda post
Majors		5. 02/05/14 1:44 pm
Elective for	No	kleb6b: Approved
Majors		for CCC Meeting
		Agenda 6. 02/06/14 6:15 pm
Justification for	No list of equivalent or approved training courses for Missouri S&T	tauritzd:
change:		Approved for
Semesters		Campus Curricula
previously		Committee Chair
offered as an		
experimental		
course		

Co-Listed
Courses:
Course Reviewer
Comments

Date Submitted: 10	1/10/13 3:12 pm	
Viewing: CHEN	1 228 : Organic Chemistry II Lab	In Workflow 1. RCHEMIST Chair
File: 254.1	12 2.42 ***	2. CCC Secretary
Last edit: 10/10/1 Changes proposed		3. Sciences DSCC
Changes proposed		Chair 4. Pending CCC
Programs	BIO SC-BA: Biological Sciences BA BIO SC-BS: Biological Sciences BS	Agenda post
referencing this	CHEM-BA: Chemistry BA	5. CCC Meeting
course	CHEM-BS: Chemistry BS	Agenda
	PRE-MED-MI: Pre-Medicine Minor	6. Campus Curricula
	In The Catalog Description:	Committee Chair
Other Courses	CHEM 328 : Organic Synthesis And Spectroscopic Analysis	7. FS Meeting
referencing this course		Agenda 8. Faculty Senate
Course		Chair
Requested	Fall 2014 1 Jan 08	9. Registrar
Effective Change Date		10. Peoplesoft
Department	Chemistry	Approval Path
Discipline	Chemistry (CHEM)	1. 11/20/13 2:24 pr
Course Number	228	woelkk: Approve
Title	Organic Chemistry II Lab	for RCHEMIST Chair
Abbreviated	Organic Chemistry II Lab	2. 01/09/14 10:36
Course Title	Organic Chemistry ii Lab	am
		lahne: Approved
Catalog	Continuation of Chem 226.	for CCC Secretary
Description		3. 01/17/14 11:30
Prerequisites	Chem 226, preceded or accompanied by Chem 223 and Chem 4. 4 or an equivalent	am tauritzd:
	training program approved by S&T.	Approved for
Field Trip		Sciences DSCC
Statement		Chair
Credit Hours	LEC: 0 LAB: 1 IND: 0 RSD: 0 Total: 1	4. 01/17/14 3:56 pr
Required for	Yes -No	lahne: Approved for Pending CCC
Majors		Agenda post
Elective for	No	5. 02/05/14 1:44 pr
Majors		kleb6b: Approved
Justification for	No list of equivalent or approved training courses for Missouri S&T	for CCC Meeting
change:		Agenda
Semesters		6. 02/06/14 6:16 pr tauritzd:
previously		Approved for
offered as an		Campus Curricula
experimental		Committee Chair
course		
Co-Listed		
Courses:		

Course Reviewer
Comments

lewing: CHEN le: 256.1	238 : Inorganic Chemistry Laboratory	In Workflow 1. RCHEMIST Chair 2. CCC Secretary
Last edit: 10/10/13 3:12 pm		3. Sciences DSCC
Changes proposed b		Chair
Programs referencing this course	CHEM-BS: Chemistry BS	4. Pending CCC Agenda post 5. CCC Meeting Agenda
Requested Effective Change Date	Fall 2014 -1 Jan 08	6. Campus Curricul Committee Chair 7. FS Meeting
Department	Chemistry	Agenda 8. Faculty Senate
Discipline	Chemistry (CHEM)	Chair
Course Number	238	 Registrar Peoplesoft
Title	Inorganic Chemistry Laboratory	10. Feoplesoft
Abbreviated Course Title	Inorganic Chem Lab	Approval Path 1. 11/20/13 2:24 pr
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.	woelkk: Approve for RCHEMIST Chair 2. 01/09/14 10:39
Prerequisites	Preceded or accompanied by Chem 237 and Chem 4. 4 or an equivalent training program approved by S&T.	am lahne: Approved
Field Trip Statement		for CCC Secretary 3. 01/17/14 11:30 am
Credit Hours	LEC: 0 LAB: 1 IND: 0 RSD: 0 Total: 1	tauritzd:
Required for Majors	Yes -No	Approved for Sciences DSCC
Elective for Majors	No	Chair 4. 01/17/14 3:57 pr lahne: Approved
Justification for change:	No list of equivalent or approved training courses for Missouri S&T	for Pending CCC Agenda post
Semesters previously offered as an experimental course		5. 02/05/14 1:44 pi kleb6b: Approve for CCC Meeting Agenda 6. 02/06/14 6:16 pi tauritzd:
Co-Listed Courses:		Approved for Campus Curricula Committee Chair

	/10/13 3:00 pm	
/iewing: CHEN	I 241 : Physical Chemistry	In Workflow
File: 257.1		1. RCHEMIST Chair
ast edit: 01/17/1	4 11:31 am	2. CCC Secretary 3. Sciences DSCC
Changes proposed b		Chair
_	CH ENG-BS: Chemical Engineering BS	4. Pending CCC
Programs	CHEM-BA: Chemistry BA	Agenda post
referencing this	CHEM-BS: Chemistry BS	5. CCC Meeting
course	CR ENG-BS: Ceramic Engineering BS	Agenda
	EV ENG-BS: Environmental Engineering BS	6. Campus Curricula
	MT ENG-BS: Metallurgical Engineering BS	Committee Chair
Other Courses	In The Catalog Description:	7. FS Meeting Agenda
referencing this	CHEM 243 : Physical Chemistry	8. Faculty Senate
course	CHEM 251 : Analytical Chemistry II	Chair
	In The Prerequisites:	9. Registrar
	CHEM 242 : Physical Chemistry Laboratory	10. Peoplesoft
	CHEM ENG 237 : Continuous Mass Transfer	
Requested	Fall 2014 3 Jan 11	Approval Path
Effective Change		1. 11/20/13 2:24 pn
Date		woelkk: Approve
Department	Chemistry	for RCHEMIST
Discipline	Chemistry (CHEM)	Chair 2. 01/09/14 10:40
Course Number	241	am
		lahne: Approved
Title	Physical Chemistry	for CCC Secretary
Abbreviated	Physical Chemistry	3. 01/17/14 11:31
Course Title		am
Catalog	A study of the laws of thermodynamics and their applications to the states of	tauritzd: Approved for
Description	matter, solutions, and equilibria.	Sciences DSCC
Prerequisites	Math 15 22, Physics 24 or Math 21; Physics 21 or Physics 23. 25.	Chair
,	With 13 22, 111/3163 2 1 01 With 21, 111/3163 21 01 1 Hysics 23. 25.	4. 01/17/14 3:57 pn
Field Trip		lahne: Approved
Statement		for Pending CCC
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	Agenda post
Required for	Yes- No	5. 02/05/14 1:44 pm
Majors		kleb6b: Approved
Elective for	No	for CCC Meeting
Majors		Agenda 6. 02/06/14 6:16 pm
Localificant's or for	Description had a self-self-self-self-self-self-self-self-	tauritzd:
Justification for	Prerequisites better reflect preparatory content desired.	Approved for
change:		Campus Curricula
Semesters		Committee Chair
previously		
offered as an		
experimental course		

Co-Listed Courses:

Course Reviewer

Comments

Date Submitted: 10	/10/13 3:12 pm	
Viewing: CHEN	242 : Physical Chemistry Laboratory	In Workflow
File: 258.1		1. RCHEMIST Chair
Last edit: 10/10/1	3 3:12 pm	2. CCC Secretary 3. Sciences DSCC
Changes proposed by: tschuman		Chair
	CH ENG-BS: Chemical Engineering BS	4. Pending CCC
Programs	CHEM-BA: Chemistry BA	Agenda post
referencing this	CHEM-BS: Chemistry BS	5. CCC Meeting
course		Agenda
Other Courses	In The Catalog Description:	6. Campus Curricul Committee Chair
referencing this	CHEM 244 : Physical Chemistry Laboratory	7. FS Meeting
course		Agenda
Requested	Fall 2014 1 Jan 08	8. Faculty Senate
Effective Change		Chair
Date		9. Registrar
Department	Chemistry	10. Peoplesoft
Discipline	Chemistry (CHEM)	Approval Path
Course Number	242	1. 11/20/13 2:24 pr
Title	Physical Chemistry Laboratory	woelkk: Approve
Abbreviated	Physical Chemistry Lab	for RCHEMIST
Course Title	Triysical chemistry Lab	Chair
		2. 01/09/14 10:43 am
Catalog	Some typical operations of experimental physical chemistry.	lahne: Approved
Description		for CCC Secretary
Prerequisites	Preceded or accompanied by Chem 241 and Chem 4. 4 or an equivalent training	3. 01/17/14 11:31
	program approved by S&T.	am
Field Trip		tauritzd: Approved for
Statement		Sciences DSCC
Credit Hours	LEC: 0 LAB: 1 IND: 0 RSD: 0 Total: 1	Chair
Required for	Yes -No	4. 01/17/14 3:58 pr
Majors		lahne: Approved
Elective for	No	for Pending CCC
Majors		Agenda post 5. 02/05/14 1:44 pr
Justification for	No list of equivalent or approved training courses for Missouri S&T	kleb6b: Approved
change:	0	for CCC Meeting
Semesters		Agenda
previously		6. 02/06/14 6:16 pt
offered as an		tauritzd: Approved for
experimental		Campus Curricula
course		Committee Chair
Co-Listed		

Course Reviewer Comments

Date Submitted: 10/	I0/13 3:01 pm	In Marthern
Viewing: CHEM File: 259.1 Last edit: 10/10/13	243 : Physical Chemistry 3:01 pm	In Workflow 1. RCHEMIST Chair 2. CCC Secretary 3. Sciences DSCC
Changes proposed b		Chair
Programs referencing this course Other Courses referencing this course	CH ENG-BS: Chemical Engineering BS CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS 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	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
	CHEM ENG 381 : Corrosion And Its Prevention MET ENG 381 : Corrosion And Its Prevention	Approval Path
Requested Effective Change Date	Fall 2014 1 Jan 90	1. 11/20/13 2:25 pm woelkk: Approved for RCHEMIST Chair
Department	Chemistry	2. 01/09/14 10:45
Discipline	Chemistry (CHEM)	am
Course Number	243	lahne: Approved for CCC Secretary
Title	Physical Chemistry	3. 01/17/14 11:31
Abbreviated Course Title	Physical Chemistry	am tauritzd: Approved for
Catalog Description	A study of kinetic theory, chemical kinetics, electromotive force and ionic equilibria.	Sciences DSCC Chair 4. 01/17/14 3:59 pm
Prerequisites Field Trip Statement	Chem 241 or consent of department.	lahne: Approved for Pending CCC Agenda post
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	5. 02/05/14 1:44 pm kleb6b: Approved
Required for Majors	Yes -No	for CCC Meeting Agenda
Elective for Majors	No	6. 02/06/14 6:16 pm tauritzd: Approved for
Justification for change:	Desire to drop consent of department	Campus Curricula Committee Chair

experimental
course
Co-Listed
Courses:
Course Reviewer
Comments

Date Submitted: 10,	10/13 3:13 pm	
viewing: CHEM	244 : Physical Chemistry Laboratory	In Workflow
File: 260.1		1. RCHEMIST Chair 2. CCC Secretary
ast edit: 01/17/1	4 11:32 am	3. Sciences DSCC
Changes proposed b	y: tschuman	Chair
Dua	CHEM-BA: Chemistry BA	4. Pending CCC
Programs referencing this	CHEM-BS: Chemistry BS	Agenda post
course		5. CCC Meeting Agenda
		6. Campus Curricul
Requested Effective Change	Fall 2014 -3 Jan 11	Committee Chair
Date		7. FS Meeting
Department	Chemistry	Agenda S. Faculty Consta
•		8. Faculty Senate Chair
Discipline	Chemistry (CHEM)	9. Registrar
Course Number	244	10. Peoplesoft
Title	Physical Chemistry Laboratory	
Abbreviated	Physical Chemistry Lab	Approval Path
Course Title		1. 11/20/13 2:25 pr
Catalog	A continuation of Chem 242.	woelkk: Approve for RCHEMIST
Description		Chair
Prerequisites	Preceded or accompanied by both Chem 243 and preceded or accompanied by	2. 01/09/14 10:46
	Chem 4. 4 or an equivalent training program approved by S&T.	am
Field Trip		lahne: Approved
Statement		for CCC Secretary 3. 01/17/14 11:33
Credit Hours	LEC: 0 LAB: 1 IND: 0 RSD: 0 Total: 1	am
Required for	Yes-No	tauritzd:
Majors		Approved for
Elective for	No	Sciences DSCC
Majors		Chair 4. 01/17/14 4:01 pr
Justification for	No list of equivalent or approved training courses for Missouri S&T	lahne: Approved
change:	The last of equitations of approved duming courses to missouri eq.	for Pending CCC
Semesters		Agenda post
previously		5. 02/05/14 1:44 pt kleb6b: Approve
offered as an		for CCC Meeting
experimental		Agenda
course		6. 02/06/14 6:17 pr
Co-Listed		tauritzd:
Courses:		Approved for Campus Curricula
Course Reviewer		Committee Chair
Comments		

Date

Department

Chemistry

Date Submitted: 10	/10/13 3:09 pm	
Viewing: CHEN	12: General Chemistry Laboratory	In Workflow
File: 238.1 Last edit: 01/17/14 11:34 am		1. RCHEMIST Chair
		2. CCC Secretary
		3. Sciences DSCC
Changes proposed I	by: tscnuman	Chair
Catalag Dagas	Freshman Engineering Program	4. Pending CCC
Catalog Pages	<u>Mathematics</u>	Agenda post
referencing this		5. CCC Meeting
course		Agenda
Programs	AE ENG-BS: Aerospace Engineering BS	6. Campus Curricula
referencing this	AP MATH-BS: Applied Mathematics BS	Committee Chair
course	ARC ENG-BS: Architectural Engineering BS	7. FS Meeting
course	BIO SC-BA: Biological Sciences BA	Agenda
	BIO SC-BS: Biological Sciences BS	8. Faculty Senate
	CH ENG-BS: Chemical Engineering BS	Chair
	CHEM-BA: Chemistry BA	9. Registrar
	CHEM-BS: Chemistry BS	10. Peoplesoft
	CHEM-MI: Chemistry Minor	
	CMP SC-BS: Computer Science BS	Approval Path
	<u>CP ENG-BS: Computer Engineering BS</u>	1. 11/20/13 2:25 pr
	CR ENG-BS: Ceramic Engineering BS	woelkk: Approve
	CV ENG-BS: Civil Engineering BS	for RCHEMIST
	EL ENG-BS: Electrical Engineering BS	Chair
	ENG MG-BS: Engineering Management BS	2. 01/09/14 9:08 an
	EV ENG-BS: Environmental Engineering BS	lahne: Approved
	GE ENG-BS: Geological Engineering BS	for CCC Secretary
	GL&GPH-BS: Geology and Geophysics BS	3. 01/17/14 11:34
	MC ENG-BS: Mechanical Engineering BS	am
	MI ENG-BS: Mining Engineering BS	tauritzd:
	MT ENG-BS: Metallurgical Engineering BS	Approved for
	NU ENG-BS: Nuclear Engineering BS	Sciences DSCC
	PE ENG-BS: Petroleum Engineering BS	Chair
	PHYSIC-BS: Physics BS	4. 01/17/14 4:01 pr
	PRE-MED-MI: Pre-Medicine Minor	lahne: Approved
Other Courses	In The Catalog Description:	for Pending CCC
Other Courses	ARCH ENG 103 : Architectural Materials And Methods Of	Agenda post
referencing this	Construction	5. 02/05/14 1:44 pr
course	CHEM 5 : Accelerated General Chemistry	kleb6b: Approved
	EXP ENG 313 : Stage Pyrotechnics and Special Effects	for CCC Meeting
	EXP ENG 360 : Display Fireworks Manufacturing	Agenda
	GEOLOGY 125 : Physical Mineralogy And Petrology	6. 02/06/14 6:17 pr
	In The Prerequisites:	tauritzd:
	EXP ENG 309 : Commercial Pyrotechnics Operations	Approved for
	GEOLOGY 113 : Mineralogy And Crystallography	Campus Curricula
		Committee Chair

Discipline	Chemistry (CHEM)			
Course Number	2	•			
Title	General Ch	emistry Laborato	ry		
Abbreviated	General Ch	emistry Lab			
Course Title		•			
Catalog	The laborat	ory work accomp	anying general	chemistry consis	ts of experiments
Description		supplement lect			•
Prerequisites	Ü				equivalent training
·	program ap	proved by S&T.	•		
Field Trip	1 10 1 11	, ,			
Statement					
Credit Hours	LEC: 0	LAB: 1	IND: 0	RSD: 0	Total: 1
Required for	Yes-No				
Majors					
Elective for	No				
Majors					
Justification for	No list of ed	quivalent or appr	oved training co	urses for Missou	ri S&T
change:			J		
_					
Semesters					
previously					
offered as an					
experimental					
course					
Co-Listed					
Courses:					
Course Reviewer					
Comments					

Date Submitted: 10	/10/13 3:03 pm	
Viewing: CHEN	1 343 : Introduction To Quantum Chemistry	In Workflow
File: 268.1	1. RCHEMIST Chair	
Last edit: 10/10/1	2. CCC Secretary 3. Sciences DSCC	
Changes proposed I	Chair	
D	CHEM-BA: Chemistry BA	4. Pending CCC
Programs referencing this	CHEM-BS: Chemistry BS	Agenda post
course	CR ENG-BS: Ceramic Engineering BS	5. CCC Meeting Agenda
	In The Catalog Description:	6. Campus Curricula
Other Courses	CHEM 445 : Quantum Chemistry I	Committee Chair
referencing this course	In The Prerequisites:	7. FS Meeting
course	CHEM 344 : Advanced Physical Chemistry	Agenda
	CHEM 435: Principles Of Inorganic Chemistry	8. Faculty Senate Chair
	CHEM 444 : Spectroscopy	9. Registrar
	CHEM 446 : Quantum Chemistry II	10. Peoplesoft
	CHEM 455 : Chemical Spectroscopy	
Requested	Fall 2014 3 Jan 11	Approval Path
Effective Change		1. 11/20/13 2:28 pm
Date		woelkk: Approved
Department	Chemistry	for RCHEMIST
Discipline	Chemistry (CHEM)	Chair 2. 01/09/14 11:06
Course Number	343	am
Title	Introduction To Quantum Chemistry	lahne: Approved
Abbreviated	Intro To Quantum Chem	for CCC Secretary
Course Title		3. 01/17/14 11:53 am
Catalog	A study of molecular structures and spectroscopy, statistical thermodynamics,	tauritzd:
Description	kinetic theory, chemical kinetics, crystals, and liquids.	Approved for
Prerequisites	Math 22; 22, Physics 24 or Physics 25; preceded or accompanied by Stat 213. 25.	Sciences DSCC Chair
Field Trip		4. 01/17/14 4:02 pm
Statement		lahne: Approved
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	for Pending CCC
Required for	Yes -No	Agenda post
Majors	ies no	5. 02/05/14 1:46 pm kleb6b: Approved
Elective for	No	for CCC Meeting
Majors		Agenda
Landiff and in a few	Decree 12th add do a float de tad a constant	6. 02/06/14 6:17 pm
Justification for change:	Prerequisite added to reflect desired preparatory content	tauritzd: Approved for
_		Campus Curricula
Semesters		Committee Chair
previously offered as an		
experimental		
course		

Co-Listed
Courses:
Course Reviewer
Comments

Date Submitted: 10	/10/13 3:05 pm	
Viewing: CHEN	1 355 : Instrumental Methods Of Chemical Analysis	In Workflow
File: 270.1		1. RCHEMIST Chair
Last edit: 10/10/1	2. CCC Secretary	
Changes proposed I	3. Sciences DSCC	
Geo bi obsession		Chair 4. Pending CCC
Programs	CHEM-BA: Chemistry BA	Agenda post
referencing this		5. CCC Meeting
course		Agenda
	In The Catalog Description:	6. Campus Curricula
Other Courses	CHEM 453 : Separations	Committee Chair
referencing this	In The Prerequisites:	7. FS Meeting
course	CHEM 455 : Chemical Spectroscopy	Agenda
	CHEM 458: Principles And Applications Of Mass Spectrometry	8. Faculty Senate
	CHEM 459 : Mass Spectrometry of Macromolecules	Chair
		9. Registrar
Requested Effective Change	Fall 2014 3 Jan 11	10. Peoplesoft
Date		Approval Path
Department	Chemistry	1. 11/20/13 2:29 pr
Discipline	Chemistry (CHEM)	woelkk: Approve
Course Number	355	for RCHEMIST Chair
Title	Instrumental Methods Of Chemical Analysis	2. 01/09/14 11:07
Abbreviated	Instr Mthds-Chem Analys	am
Course Title		lahne: Approved
		for CCC Secretary 3. 01/17/14 11:53
Catalog	Principles and analytical applications of molecular spectroscopy, chromatographic	am
Description	separations, mass spectrometry, and radiochemistry. A brief overview of instrument	tauritzd:
	electronics, signal generation and processing, and automated analysis is also provided.	Approved for
		Sciences DSCC
Prerequisites	Chem 251 and 4, Chem 243 151, Chem 223, Chem 243.	Chair
Field Trip		4. 01/17/14 4:02 pr
Statement		lahne: Approved
Credit Hours	LEC: 3 LAB: 1 IND: 0 RSD: 0 Total: 4	for Pending CCC
Required for	Yes -No	Agenda post
Majors		5. 02/05/14 1:46 pr kleb6b: Approved
Elective for	No	for CCC Meeting
Majors	NO .	Agenda
iviajois		6. 02/06/14 6:17 pr
Justification for	Prerequisite changed to reflect desired preparatory content. Dropping chem 4 as	tauritzd:
change:	departmental requirement.	Approved for
Semesters		Campus Curricula
previously		Committee Chair
offered as an		
experimental		
course		

Co-Listed
Courses:
Course Reviewer
Comments

•	/10/13 3:14 pm	In Workflow
	362 : General Biochemistry Laboratory	1. RCHEMIST Chair
ile: 272.1	2. CCC Secretary	
ast edit: 01/17/1		3. Sciences DSCC
changes proposed b	y: tschuman	Chair
Programs	CH ENG-BS: Chemical Engineering BS	4. Pending CCC Agenda post
referencing this	CHEM-BA: Chemistry BA	5. CCC Meeting
course	CHEM-BS: Chemistry BS	Agenda
Requested	Fall 2014 1 Jan 08	6. Campus Curricul
Effective Change		Committee Chai
Date		7. FS Meeting Agenda
Department	Chemistry	8. Faculty Senate
Discipline	Chemistry (CHEM)	Chair
		9. Registrar
Course Number	362	10. Peoplesoft
Γitle	General Biochemistry Laboratory	
Abbreviated	General Biochemistry Lab	Approval Path
Course Title		1. 11/20/13 2:29 p
Catalog	Experiments are integrated with the lectures and cover the chemical and physical	woelkk: Approve for RCHEMIST
Description	properties of proteins, enzymes, nucleic acids, carbohydrates and lipids.	Chair
Prerequisites	Preceded or accompanied by both Chem 361 and Chem 4. 4 or an equivalent	2. 01/09/14 11:08
	training program approved by S&T.	am
Field Trip		lahne: Approved
Statement		for CCC Secretar
Credit Hours	LEC: 0 LAB: 2 IND: 0 RSD: 0 Total: 2	3. 01/17/14 11:54 am
Required for	Yes-No	tauritzd:
Majors		Approved for
Elective for	No	Sciences DSCC
Majors		Chair
		4. 01/17/14 4:03 pt
lustification for	No list of equivalent or approved training courses for Missouri S&T	lahne: Approved for Pending CCC
change:		Agenda post
Semesters		5. 02/05/14 1:46 p
oreviously offered as an		kleb6b: Approve
experimental		for CCC Meeting
course		Agenda
Co-Listed		6. 02/06/14 6:18 pt tauritzd:
Courses:		Approved for
		Campus Curricul
Course Reviewer		Committee Chai

iewing: CHEM ile: 274.1	In Workflow 1. RCHEMIST Chair 2. CCC Secretary	
ast edit: 10/10/13	3. Sciences DSCC	
hanges proposed b	/: tschuman	Chair
Programs referencing this course	CHEM-BA: Chemistry BA	4. Pending CCC Agenda post 5. CCC Meeting Agenda
Requested Effective Change Date	Fall 2014 -10 Jan 96	6. Campus Curricula Committee Chain 7. FS Meeting Agenda
Department	Chemistry	8. Faculty Senate
Discipline	Chemistry (CHEM)	Chair
Course Number	375	9. Registrar10. Peoplesoft
Title	Principles Of Environmental Monitoring	10. Feoplesoft
Abbreviated Course Title	Prin Env Monitoring	Approval Path 1. 11/20/13 2:29 pr
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.	woelkk: Approve for RCHEMIST Chair 2. 01/09/14 11:09 am
Prerequisites	Chem 221 ; 221, Physics 21 or Physics 23 . 25.	lahne: Approved
Field Trip		for CCC Secretary
Statement		3. 01/17/14 11:54 am
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	tauritzd:
Required for Majors	Yes -No	Approved for Sciences DSCC
Elective for Majors	No	Chair 4. 01/17/14 4:03 pr lahne: Approved
Justification for change:	Prerequisite changed to reflect desired preparatory content	for Pending CCC Agenda post
Semesters previously offered as an		5. 02/05/14 1:46 pi kleb6b: Approve for CCC Meeting Agenda
experimental course		6. 02/06/14 6:18 pr tauritzd:
Co-Listed Courses:		Approved for Campus Curricula Committee Chair

Date Submitted: 10	/10/13 3:16 pm	
/iewing: CHEN	1 384 : Polymer Science Laboratory	In Workflow
ile: 1764.1	1. RCHEMIST Chair	
ast edit: 01/17/1	2. CCC Secretary	
Changes proposed I		3. Sciences DSCC
changes proposed i		Chair
Programs	CHEM-BA: Chemistry BA	4. Pending CCC Agenda post
referencing this	CHEM-BS: Chemistry BS	5. CCC Meeting
course		Agenda
	- Heart 100	6. Campus Curricul
Requested	Fall 2014 1 Jan 08	Committee Chai
Effective Change Date		7. FS Meeting
		Agenda
Department	Chemistry	8. Faculty Senate
Discipline	Chemistry (CHEM)	Chair
Course Number	384	9. Registrar
Title	Polymer Science Laboratory	10. Peoplesoft
Abbreviated	Polymer Science Lab	Approval Path
Course Title	Polymer Science Lab	1. 11/20/13 2:30 pr
		woelkk: Approve
Catalog	Lectures and laboratory experiments dealing with polymerization reactions, solution	for RCHEMIST
Description	properties and bulk or solid properties will be presented. Each student will prepare	Chair
	polymers and carry out all characterization experiments on actual samples.	2. 01/09/14 11:09
Prerequisites	Chem 381 and or Chem Eng 375, preceded or accompanied by Chem 4. 4 or an	am
	equivalent training program approved by S&T.	lahne: Approved
Field Trip		for CCC Secretary
Statement		3. 01/17/14 11:55
Credit Hours	LEC: 1 LAB: 2 IND: 0 RSD: 0 Total: 3	am
		tauritzd: Approved for
Required for Majors	No	Sciences DSCC
-		Chair
Elective for	Yes -No	4. 01/17/14 4:04 pr
Majors		lahne: Approved
Justification for	No list of equivalent or approved training courses for Missouri S&T. Reflected a prior	for Pending CCC
change:	course designation in other department, whose course is sparingly offered.	Agenda post
Semesters		5. 02/05/14 1:46 pt
previously		kleb6b: Approve
offered as an		for CCC Meeting
experimental		Agenda 6. 02/06/14 6:18 pt
course		tauritzd:
Co-Listed		Approved for
Courses:		Campus Curricula
		Committee Chair
Course Reviewer		

	1 52 : Elementary Quantitative Chemical Analysis	In Workflow 1. RCHEMIST Chair
File: 245.1	2. CCC Secretary	
Last edit: 01/17/1 Changes proposed b	3. Sciences DSCC Chair	
Other Courses referencing this course	In The Catalog Description: CHEM 51 : Elementary Quantitative Chemical Analysis	4. Pending CCC Agenda post 5. CCC Meeting Agenda
Requested Effective Change Date	Fall 2014 1 Jan 08	6. Campus Curricu Committee Chai 7. FS Meeting
Department	Chemistry	Agenda 8. Faculty Senate
Discipline	Chemistry (CHEM)	Chair
Course Number	52	9. Registrar
Title	Elementary Quantitative Chemical Analysis	10. Peoplesoft
Abbreviated	Elem Quant Chem Analysis	Approval Path
Course Title		1. 11/20/13 2:30 pr
Catalog Description Prerequisites	The application of the principles of analytical chemistry in gravimetric and volumetric determinations. To be accompanied by Chem 51 and preceded or accompanied by Chem 4. 4 or an equivalent training program approved by S&T.	woelkk: Approx for RCHEMIST Chair 2. 01/09/14 10:38
Field Trip Statement		lahne: Approved for CCC Secretars 3. 01/17/14 11:56
Credit Hours	LEC: 0 LAB: 2 IND: 0 RSD: 0 Total: 2	am
Required for Majors	No	tauritzd: Approved for
Elective for Majors	Yes-No	Sciences DSCC Chair 4. 01/17/14 4:04 pr
Justification for change:	No list of equivalent or approved training courses for Missouri S&T	lahne: Approved for Pending CCC
Semesters previously offered as an experimental course		Agenda post 5. 02/05/14 1:46 pi kleb6b: Approve for CCC Meeting Agenda 6. 02/06/14 6:19 pi
Co-Listed Courses:		tauritzd: Approved for
Course Reviewer Comments		Campus Curricula Committee Chair

Date Submitted: 10,	/10/13 3:10 pm	
Viewing: CHEM	8 : Qualitative Analysis	In Workflow
File: 241.1	1. RCHEMIST Chair 2. CCC Secretary	
ast edit: 01/17/1	3. Sciences DSCC	
Changes proposed b	y: tschuman	Chair
Programs	CHEM-BA: Chemistry BA	4. Pending CCC
referencing this	CHEM-BS: Chemistry BS	Agenda post 5. CCC Meeting
course	CHEM-MI: Chemistry Minor	Agenda
Requested	Fall 2014 1 Jan 08	6. Campus Curricula
Effective Change		7. FS Meeting
Date		7. F3 Weeting Agenda
Department	Chemistry	8. Faculty Senate
Discipline	Chemistry (CHEM)	Chair
Course Number	8	 Registrar Peoplesoft
Title	Qualitative Analysis	
Abbreviated	Qualitative Analysis	Approval Path
Course Title		1. 11/20/13 2:30 pn
Catalog	This course is to accompany the study of the metals in general chemistry and is	woelkk: Approved
Description	devoted to the qualitative separation and detection of the metals.	Chair
Prerequisites	Preceded or accompanied by both Chem 3 and Chem 4. 4 or an equivalent training	2. 01/09/14 10:37
	program approved by S&T.	am
Field Trip		lahne: Approved for CCC Secretary
Statement		3. 01/17/14 11:57
Credit Hours	LEC: 0 LAB: 2 IND: 0 RSD: 0 Total: 2	am
Required for	Yes -No	tauritzd:
Majors		Approved for
Elective for	No	Sciences DSCC Chair
Majors		4. 01/17/14 4:05 pn
Justification for	No list of equivalent or approved training courses for Missouri S&T	lahne: Approved
change:		for Pending CCC
Semesters		Agenda post 5. 02/05/14 1:46 pr
previously		kleb6b: Approved
offered as an		for CCC Meeting
experimental course		Agenda
		6. 02/06/14 6:19 pr
Co-Listed Courses:		tauritzd: Approved for
Courses.		Campus Curricula
Course Reviewer		Committee Chair
Comments		

	New Course Proposal	In Workflow
Date Submitted: 12,	/11/13 1:06 pm	1. RENGLISH Chair
Viewing: ENGLI	ISH 2250 : American Short Story	2. CCC Secretary
File: 4029		3. Arts &
Last edit: 01/17/1	4 4:06 pm	Humanities DSC
Changes proposed b	by: kswenson	Chair
Requested	Fall 2014	4. Pending CCC
Effective Change		Agenda post 5. CCC Meeting
Date		Agenda
Department	English and Technical Communication	6. Campus Curricul
Discipline	English (ENGLISH)	Committee Chai
Course Number	2250	7. FS Meeting
		Agenda
Title	American Short Story	8. Faculty Senate
Abbreviated	American Short Story	Chair 9. Registrar
Course Title		10. Peoplesoft
Catalog	This course follows the development of the short story genre from its early	
Description	nineteenth-century beginnings up to and including stories written by contemporary	Approval Path
	American authors.	1. 12/11/13 1:08 pr
Prerequisites	English 1120	kswenson:
Field Trip		Approved for
Statement		RENGLISH Chair
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	2. 01/09/14 9:03 ar
		lahne: Approved
Required for	No	for CCC Secretary 3. 01/10/14 10:07
Majors		am
Elective for	Yes	ivliyeva:
Majors		Approved for Art
Justification for	This course has been taught twice with success. It fills a need in the department	& Humanities
new course:	curriculum for a course focusing on the short story genre. It offers an intensive	DSCC Chair
	reading course in American literature for non-majors.	4. 01/17/14 4:06 pr
Semesters	FS13 - 11 enrolled	lahne: Approved for Pending CCC
previously	FS10 - 11 enrolled	Agenda post
offered as an		5. 02/05/14 1:47 pi
experimental		kleb6b: Approve
course		for CCC Meeting
Co-Listed		Agenda
Courses:		6. 02/06/14 6:19 pr
Course Reviewer		tauritzd: Approved for
Comments		Campus Curricula
	Key; 4029	·

Date Submitted: 11/		In Workflow
Viewing: ENGLI	ISH 3170 311: Teaching And Supervising Reading and Writing	1. RENGLISH Chair
File: 714.1		2. CCC Secretary
Last edit: 02/06/1	4 6:20 pm	3. Arts &
Changes proposed b	py: kswenson	Humanities DSCC
Requested	Fall 2014 11 Jun 02	Chair
Effective Change		4. Pending CCC
Date		Agenda post
Department	English and Technical Communication	5. CCC Meeting
Discipline	English (ENGLISH)	Agenda
·		6. Campus Curricula Committee Chair
Course Number	3170 -311	7. FS Meeting
Title	Teaching And Supervising Reading and Writing	Agenda
Abbreviated	Teach Read & Write	8. Faculty Senate
Course Title	Tching&Supervising Writ	Chair
Catalaa	Challes to a 11 standard and the different and t	9. Registrar
Catalog Description	Students will study contemporary and traditional approaches to reading and writing instruction. The course will give students practice in applying literacy composition	10. Peoplesoft
Description	theory and composition theory and research to development of teaching methods,	
	including course syllabi and and and assignments.	Approval Path
Prerequisites	6 hours of college level writing courses.	1. 11/07/13 1:08 pm
•	o flours of college level writing courses.	kswenson:
Field Trip		Approved for
Statement		RENGLISH Chair
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	2. 01/09/14 9:03 am lahne: Approved
Required for	No	for CCC Secretary
Majors		3. 01/10/14 10:11
Elective for	No	am
Majors		ivliyeva:
		Approved for Arts
Justification for	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	& Humanities
change:	requirements for education majors.	DSCC Chair 4. 01/17/14 4:07 pm
	requirements for education majors.	lahne: Approved
Semesters		for Pending CCC
previously offered as an		Agenda post
experimental		5. 02/05/14 1:47 pm
course		kleb6b: Approved
Co-Listed		for CCC Meeting
Courses:		Agenda
		6. 02/06/14 6:21 pm
Course Reviewer		tauritzd: Approved for
Comments		Campus Curricula
	Key:	Committee Chair

Date Submitted: 09,	/25/13 8:13 am	
Viewing: IS&T	321 : Network Performance Design And Management	In Workflow
File: 928.1		1. RINFSCTE Chair
Last edit: 09/25/1	3 8:13 am	2. CCC Secretary 3. Social Sciences
Changes proposed by		DSCC Chair
Requested	Fall 2014 -16 Aug 10	4. Pending CCC
Effective Change	1 dii 2014 10 Nug 10	Agenda post
Date		5. CCC Meeting
Department	RINFSCTE	Agenda
		6. Campus Curricula
Discipline	Info Science & Technology (IS&T)	Committee Chair
Course Number	321	7. FS Meeting
Title	Network Performance Design And Management	Agenda 8. Faculty Senate
Abbreviated	Netwrk Perform Dsgn&Mgt	Chair
Course Title		9. Registrar
		10. Peoplesoft
Catalog	This course provides analytical capabilities needed to effectively design, deploy, and	
Description	manage computer networks and protocols.	Approval Path
Prerequisites	IS&T 223, IS&T 233.	1. 09/25/13 7:09 pm
Field Trip		siauk: Approved
Statement		for RINFSCTE
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	Chair
		2. 01/09/14 9:20 am
Required for Majors	No	lahne: Approved
-		for CCC Secretary
Elective for	No	3. 01/10/14 8:14 pm
Majors		barryf: Approved for Social
Justification for	Update prerequisites to reflect current teaching of the course.	Sciences DSCC
change:		Chair
Semesters		4. 01/17/14 4:19 pm
previously		lahne: Approved
offered as an		for Pending CCC
experimental		Agenda post
course		5. 02/05/14 1:47 pm
Co-Listed		kleb6b: Approved for CCC Meeting
Courses:		Agenda
Course Parisman		6. 02/06/14 6:21 pm
Course Reviewer Comments		tauritzd:
Comments		Approved for
	Key: 928	Campus Curricula
		Committee Chair

Date Submitted: 09	/25/13 8:13 am	
Viewing: IS&T	386 : Human-Computer Interaction Prototyping	In Workflow
File: 1864.1	1. RINFSCTE Chair	
Last edit: 09/25/1	2. CCC Secretary 3. Social Sciences	
Changes proposed l	by: barryf	DSCC Chair
Catalog Pages referencing this course	Information Science and Technology Information Science and Technology	4. Pending CCC Agenda post 5. CCC Meeting Agenda
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 MOBLB&T-MI: Mobile Bus & Tech Minor	6. Campus Curricula Committee Chair 7. FS Meeting Agenda 8. Faculty Senate Chair
Requested Effective Change Date	Fall 2014 -15 Jan 13	9. Registrar 10. Peoplesoft
Department	RINFSCTE	Approval Path
Discipline	Info Science & Technology (IS&T)	1. 09/25/13 7:09 pm
Course Number	386	siauk: Approved
Title	Human-Computer Interaction Prototyping	for RINFSCTE Chair
Abbreviated Course Title	HCI Prototyping	2. 01/09/14 9:20 an lahne: Approved for CCC Secretary
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).	3. 01/10/14 8:22 pi barryf: Approved for Social
Prerequisites	Preceded IS&T 286 -or web design experience; preceded or accompanied by IS&T 385.	Sciences DSCC Chair
Field Trip Statement		4. 01/17/14 4:20 pn lahne: Approved for Pending CCC
Credit Hours	LEC: 1.5 LAB: 1.5 IND: 0 RSD: 0 Total: 3	Agenda post
Required for Majors	No	5. 02/05/14 1:48 pn kleb6b: Approved for CCC Meeting
Elective for Majors	Yes -No	Agenda 6. 02/06/14 6:21 pn
Justification for change:	Update prerequisites.	tauritzd: Approved for Campus Curricula
Semesters previously offered as an experimental course		Committee Chair
Co-Listed Courses:		

Course Reviewer Comments

Viewing: IS&T 48 File: 1862.1 Last edit: 09/25/13 8 Changes proposed by:		In Workflow 1. RINFSCTE Chair 2. CCC Secretary
Last edit: 09/25/13 8		
		z. CCC Secretary
Changes proposed by:	barryf	3. Social Sciences
	DSCC Chair	
Catalan Danas	Information Science and Technology	4. Pending CCC
referencing this	Information Science and Technology	Agenda post
course	Psychology	5. CCC Meeting
_	<u>Psychology</u> Technical Communication	Agenda 6. Campus Curricul
•		Committee Chai
Programs	TCH CM-MIG: Technical Communication Minor	7. FS Meeting
referencing this		Agenda
course		8. Faculty Senate
Requested I	Fall 2014 -17 Aug 09	Chair 9. Registrar
Effective Change		10. Peoplesoft
Date		'
Department I	RINFSCTE	Approval Path
Discipline I	Info Science & Technology (IS&T)	1. 09/25/13 7:09 pr
Course Number	487	siauk: Approved for RINFSCTE
Title I	Research Methods in Human-Computer Interaction	Chair
Abbreviated I	HCI Research Methods	2. 01/09/14 9:19 ar
Course Title		lahne: Approved for CCC Secretary
Catalog	This course covers quantitative and qualitative research methods for exploring the	3. 01/10/14 8:22 pi
Description i	interaction between people and information technologies. The course covers	barryf: Approved
	techniques and tools for carrying out literature reviews, forming research goals,	for Social
	designing research, conducting data analyses; and preparing manuscripts and live presentations.	Sciences DSCC Chair
·		4. 01/17/14 4:20 pr
Prerequisites I	Preceded or accompanied by IS&T 385.	lahne: Approved
Field Trip		for Pending CCC
Statement		Agenda post
Credit Hours I	LEC: 1.5 LAB: 1.5 IND: 0 RSD: 0 Total: 3	5. 02/05/14 1:48 pt
Required for	No	kleb6b: Approved
Majors		Agenda
Elective for	No	6. 02/06/14 6:22 pr
Majors		tauritzd:
Justification for	Update prerequisite.	Approved for
change:		Campus Curricula Committee Chair
Semesters		Committee Chair
previously		
offered as an		
experimental course		

Co-Listed
Courses:
Course Reviewer
Comments

	New Course Proposal	la Madrifon.		
Date Submitted: 11/	In Workflow			
Viewing: PHILO File: 4023	RPHILOSO Chair CCC Secretary Arts &			
Last edit: 02/05/1/ Changes proposed b	Humanities DSCC Chair			
Requested Effective Change Date	Fall 2014	4. Pending CCC Agenda post 5. CCC Meeting Agenda		
Department	Arts, Languages, & Philosophy	6. Campus Curricula		
Discipline	Philosophy (PHILOS)	Committee Chair		
Course Number	4325	7. FS Meeting		
Title	Epistemology: Knowledge and Justification	Agenda 8. Faculty Senate		
Abbreviated Course Title	Epistemology	Chair 9. Registrar 10. Peoplesoft		
Catalog	An introduction to the field of epistemology, the study of the scope, the limits, the			
Description	scription 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.	pm lance: Approved for RPHILOSO		
Field Trip Statement		Chair 2. 01/09/14 8:53 an lahne: Approved		
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	for CCC Secretary		
Required for Majors	No	3. 01/10/14 10:12 am		
Elective for Majors	Yes	ivliyeva: Approved for Arts & Humanities		
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.	DSCC Chair 4. 01/17/14 4:21 pn lahne: Approved for Pending CCC Agenda post		
Semesters previously offered as an experimental course	Fall 2012, Fall 2013	5. 02/05/14 1:48 pr kleb6b: Approved for CCC Meeting Agenda 6. 02/06/14 6:23 pr		
Co-Listed Courses:		tauritzd: Approved for		
Course Reviewer Comments		Campus Curricula Committee Chair		

Date Submitted: 12/	′∩5/13 8·51 ar	m				
•	•		ssian Civil	ization		In Workflow
viewing: RUSSIAN 4360 360 -: Russian Civilization					1. RPHILOSO Chair	
File: 1409.1	11.10 nm					2. CCC Secretary
Last edit: 02/05/1 Changes proposed b						3. Arts &
						Humanities DSCC
Requested Effective Change	Fall 2014 -13	3 Aug 12				Chair 4. Pending CCC
Date						Agenda post
	Auto Louisia	0 Db:!	I			5. CCC Meeting
Department	Arts, Langua	ages, & Philosop	ony			Agenda
Discipline	Russian (RU	ISSIAN)				6. Campus Curricula
Course Number	4360 -360					Committee Chair
Title	Russian Civi	ilization				7. FS Meeting Agenda
Abbreviated	Russian Civi	ilization				8. Faculty Senate
Course Title						Chair
						9. Registrar
Catalog Description			•		the 9th to the 19th	10. Peoplesoft
	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					
						Approval Path
	-	ity, the Mongol	1. 12/05/13 8:56 am			
		Imperial Russia.	, , ,			lance: Approved
Prerequisites	Δην 1000 οι	r higher 144	el history course.			for RPHILOSO
	7 my 2000 01	ingiler zwieve	ir motory course.			Chair
Field Trip Statement						2. 01/09/14 8:53 am lahne: Approved
						for CCC Secretary
Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0	Total: 3	3. 01/10/14 10:12
Required for	No					am
Majors						ivliyeva:
Elective for	Yes -No					Approved for Arts
Majors						& Humanities
Justification for	Renumberir	ng				DSCC Chair 4. 01/17/14 4:22 pm
change:						lahne: Approved
Semesters						for Pending CCC
previously						Agenda post
offered as an						5. 02/05/14 1:49 pm
experimental						kleb6b: Approved
course						for CCC Meeting
Co-Listed						Agenda 6. 02/06/14 6:23 pm
Courses:						tauritzd:
Course Reviewer						Approved for
Comments						Campus Curricula
						Committee Chair

Data Culturitta di 11/	New Experimental Course Proposal	In Workflow		
Date Submitted: 11/2	5001.TBD : Foundations of Statistical Learning	1. RMATHEMA		
File: 4022	octives in canadicins of statistical Learning	Chair 2. CCC Secretary		
	1 1·/19 nm	3. Sciences DSCC		
ast edit: 02/05/14 1:49 pm Changes proposed by: imorgan				
	Fall 2014	4. Pending CCC		
Requested Effective Change	Fall 2014	Agenda post		
Date		5. CCC Meeting		
	Mathematics 9 Statistics	Agenda		
Department	Mathematics & Statistics	6. Campus Curricula Committee Chair		
Discipline	Statistics (STAT)	7. Registrar		
Course Number	6001	8. Peoplesoft		
Topic ID	TBD			
Title	Foundations of Statistical Learning	Approval Path		
Abbreviated	ted Statistical Learning			
Course Title		am		
Instructors	Robert L. Paige	sclark: Approved for RMATHEMA		
Catalog	An introduction to the statistical foundations of data-analytic techniques commonly	Chair		
Description	used in Data Mining and the analysis of Big Data, including spline and kernel	2. 12/05/13 9:25 an		
	methods, principal component analysis, dimension reduction, neural networks, tree-	lahne: Approved		
	based methods, nearest neighbors methods, support vector machines, bagging and	for CCC Secretary 3. 01/09/14 5:00 pr		
	boosting.	tauritzd:		
Prerequisites	Math 22; one of Math 208, 308 or 408; one of Stat 211, 213, 215, 217 or 343	Approved for		
Field Trip		Sciences DSCC		
Statement		Chair		
Credit Hours	LEC: 3.0 LAB: 0.0 IND: 0.0 RSD: 0.0 Total: 3.0	4. 01/17/14 4:22 pn		
		lahne: Approved		
Justification for	Data Mining and Big Data are part of what many consider to be a revolution in the	for Pending CCC		
new course:	data sciences and as such have generated much interest. The techniques covered in	Agenda post 5. 02/05/14 1:49 pr		
	Statistical Learning provide access to much of what is going on in Data Mining and	kleb6b: Approved		
	Big Data.	for CCC Meeting		
Semester(s)	None	Agenda		
previously taught		6. 02/06/14 6:24 pn		
Co-Listed		tauritzd:		
Courses:		Approved for		
Course Reviewer		Campus Curricula		
Comments		Committee Chair		
	Key: 4022	7. 02/07/14 8:34 am lahne: Approved		
		for Registrar		