

## Missouri University of Science and Technology

Formerly University of Missouri-Rolla

Minutes of the Campus Curricula Committee Meeting April 5, 2017 3:00 pm, 216 Parker Hall (For Faculty Senate Meeting of April 20, 2017)

**Attendees:** Petra Dewitt, Barry Flachsbart, Gearoid MacSithigh, Ilene Morgan, Steve Raper, Paul Worsey, and Lahne Black

The following curriculum forms were discussed and approved:

#### **Course Change Forms:**

File#: 4369	ART 3100: Advanced Art Studio
File#: 1712.5	BIO SCI 2372: Issues in Public Health
File#: 4406	BUS 5230: Financial Statement Analysis
File#: 2456.1	CHEM 4630: Introduction to Bio-Nanotechnology
File#: 398.1	CHEM 5630: Biochemical Nanotechnology
File#: 1289.1	ECON 5330: Econometric Methods
File#: 2400.9	EDUC 3222: Geometric Concepts for Elementary Teachers
File#: 4407	IS&T 5520: Data Methodologies in Python
File#: 4394	MECH ENG 6585: Advanced Optical Materials and Structures
File#: 1786.4	PHILOS 4399: Topics in Philosophy
File#: 2342.5	PSYCH 5010: Introduction to Industrial/Organizational Psychology

#### **Degree Change Forms:**

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

#### **Experimental Course Forms:**

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

The following form remains tabled pending the submission of a degree change form:

File#: 1974.1 MET ENG 1210: Chemistry of Materials

The following form was tabled pending the submission of a degree change form:

File#: 4401 ENGLISH 2411: Costa Rica in Text

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Office of the Registrar • 103 Parker Hall • 300 West 13<sup>th</sup> Street • Rolla, MO 65409-0930 Phone: 573-341-4181 • Fax: 573-341-4362 • Email: registrar@mst.edu • Web: http://registrar.mst.edu



# Missouri University of Science and Technology

Formerly University of Missouri-Rolla

The Campus Curricula Committee recommends that the Faculty Senate approve the following resolution:

"Consent of instructor" should only be listed as a prerequisite if there is a specific reason or need. If listed, it should be enforced. Students may request that course prerequisites be waived if warranted, but that is not the purpose of the "Consent of instructor" designation.

The meeting adjourned at 3:53 pm.

Ilene H. Morgan, Chair

Missouri S&T Campus Curricula Committee

Data Calanda da 400	New Course Proposal	In Workflow
Date Submitted: 10/		1. RPHILOSO Chair
Viewing: ART 3	100 : Advanced Art Studio	2. CCC Secretary
File: 4369		3. Arts &
Last edit: 04/07/1	7 12:56 pm	Humanities DSCC
Changes proposed b	y: bartonch	Chair
Requested	Summer 2017	4. Pending CCC Agenda post
Effective Change		5. CCC Meeting
Date		Agenda
Department	Arts, Languages, & Philosophy	6. Campus Curricul
Discipline	Art (ART)	Committee Chair
Course Number	3100	7. FS Meeting
Title	Advanced Art Studio	Agenda 8. Faculty Senate
		Chair
Abbreviated	Advanced Art Studio	9. Registrar
Course Title		10. Ishelton
Catalog	This course is for the advanced student in Sculpture, Painting or Drawing with	11. Peoplesoft
Description	similar topics in various chosen mediums.	
Prerequisites	Art 1120, Art 1140, or Art 1164.	Approval Path
Field Trip		1. 11/14/16 1:54 pr
Statement		Kristy Giacomelli
Credit Hours	LEC: 1.5 LAB: 1.5 IND: 0 RSD: 0 Total: 3	(kristyg):
		Approved for
Required for	No	RPHILOSO Chair 2. 11/14/16 1:56 pr
Majors		Kristy Giacomelli
Elective for	No	(kristyg): Rollbac
Majors		to RPHILOSO
Justification for	The course combines the three courses that have been taught separately in the past	Chair for CCC
new course:	to create one advanced course.	Secretary
Semesters		3. 03/06/17 7:51 ar
previously		Audra Merfeld-
offered as an		Langston
experimental		(audram): Approved for
course		RPHILOSO Chair
Co-Listed		4. 03/08/17 11:12
Courses:		am
Course Reviewer	kristyg (11/14/16 1:54 pm): I am sending this through as an EC form. It was formerly	Kristy Giacomelli
Comments	a CC form which it cannot be.	(kristyg):
	kristyg (11/14/16 1:56 pm): Rollback: Mistakenly put this through.	Approved for CCC Secretary
	kristyg (03/08/17 11:12 am): I changed the effective date to Summer 2017 from	5. 03/09/17 1:12 pr
	Spring 2017.	Petra Dewitt
	imorgan (04/06/17 11:04 am): The CCC judged that it was acceptable to approve	(dewittp):
	this as a CC for a new permanent course, as the department originally had	Approved for Art
	requested.	& Humanities
		DSCC Chair

lahne (04/07/17 12:56 pm): Rollback: rollback to correct workflow (because this is a new course not an experimental course)

6. 03/14/17 10:23 am

Key: 4369

Kristy Giacomelli

(kristyg): Approved for

Pending CCC

Agenda post 7. 04/06/17 10:07

am

Lahne Black

(lahne): Approved for CCC Meeting

Agenda

8. 04/06/17 11:04

am

Ilene Morgan

(imorgan):

Approved for

Campus Curricula

Committee Chair

9. 04/07/17 12:56

pm

Lahne Black

(lahne): Rollback

to Campus

Curricula

Committee Chair

for Registrar

10. 04/07/17 2:56 pm Ilene Morgan

(imorgan):

Approved for

Campus Curricula

Committee Chair

Date Submitted: 02/	(18/17 10:54 am	
/iewing: BIO S	CI 2372: Issues in Public Health	In Workflow
File: 1712.5 Last approved: 05/01/14 4:14 am Last edit: 02/27/17 10:21 am		1. RBIOLSCI Chair
		2. CCC Secretary 3. Sciences DSCC
		Chair
Changes proposed b	y: huangy	4. Pending CCC
	COMP HEALTH-MI: Computational Health	Agenda post
Programs	HUM ENG-MI: Humanitarian Engineering and Science Minor	5. CCC Meeting
referencing this		Agenda
course		6. Campus Curricul
Requested	Fall <b>2017 <del>2014</del></b>	7. FS Meeting
Effective Change		Agenda
Date		8. Faculty Senate
Department	Biological Sciences	Chair
		9. Registrar
Discipline	Biological Sciences (BIO SCI)	10. Ishelton
Course Number	2372	11. Peoplesoft
Title	Issues in Public Health	
Abbreviated	Issues in Public Health	Approval Path
Course Title		1. 02/24/17 10:34 pm
Catalog	Issues in Public Health investigates chronic and infectious diseases and the impact of	David
Description	globalization on such diseases, environmental toxins, and controversies in public	Westenberg
	health. Students will develop an awareness of current public health issues and	(djwesten):
	trends in order to make informed arguments and personal choices.	Approved for
Prerequisites	Bio Sci 1113 or Bio Sci 1213.	RBIOLSCI Chair
Field Trip		2. 02/27/17 10:06
Statement		am Kristy Giacomelli
Credit Hours	LEC: 3 2 LAB: 0 IND: 0 RSD: 0 Total: 3 2	(kristyg):
		Approved for CC
Required for	No	Secretary
Majors		3. 03/07/17 11:24
Elective for	Yes	am
Majors		Ilene Morgan
Justification for	There are numerous topics related to public health. Students have been wanting to	(imorgan):
change:	learn more contemporary issues in public health. Therefore, more course contents	Approved for Sciences DSCC
	will be added, and the total credit hour of the course shall increase from 2 to 3 $$	Chair
	credit hours.	4. 03/14/17 9:57 a
Semesters		Kristy Giacomell
previously		(kristyg):
offered as an		Approved for
experimental		Pending CCC
course		Agenda post
Co-Listed		5. 04/05/17 4:11 p Lahne Black
Courses:		(lahne): Approve
	imorgan (02/27/17 10:21 am): Changed effective date to Fall 2017.	(ianne). Approve

Comments

for CCC Meeting
Agenda
6. 04/06/17 10:53
am
Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

History
1. May 1, 2014 by
shannonk
(1712.1)

	New Course Proposal	In Workflow
Date Submitted: 03/	'08/17 3:42 pm	
viewing: BUS 5	230 : Financial Statement Analysis	1. RBUSADMN Chair
File: 4406	·	2. CCC Secretary
Last edit: 04/05/1	7 4·12 nm	3. Social Sciences
Changes proposed b		DSCC Chair
		4. Pending CCC
Requested Effective Change	Fall 2017	Agenda post
Date		5. CCC Meeting
		Agenda
Department	Business and Information Technology	6. Campus Curricula
Discipline	Business (BUS)	Committee Chair 7. FS Meeting
Course Number	5230	Agenda
Title	Financial Statement Analysis	8. Faculty Senate
Abbroviated		Chair
Abbreviated Course Title	Financial Stmt Analysis	9. Registrar
Course ritte		10. Ishelton
Catalog	Analysis and interpretation of financial statements for profitability analysis, credit	11. Peoplesoft
Description	analysis, and other business analyses that rely on financial data. Introduces	
	emerging roles of accounting analytics. Illustrates data analytics concepts and	Approval Path
	techniques to detect earning management, predict fraud, and to provide insights	1. 03/08/17 3:45 pm
	into other business strategies.	siauk: Approved
Prerequisites	FINANCE 2150 or Graduate Standing.	for RBUSADMN
Field Trip		Chair
Statement		2. 03/08/17 3:45 pm
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	Kristy Giacomelli (kristyg):
		Approved for CCC
Required for Majors	No	Secretary
		3. 03/08/17 5:07 pm
Elective for	Yes	Barry Flachsbart
Majors		(barryf):
Justification for	Taught F15 and F16 as BUS 5001.	Approved for
new course:		Social Sciences
Semesters	F15 (13) & F16 (7)	DSCC Chair
previously	() ()	4. 03/14/17 10:00
offered as an		am Kristy Giacomelli
experimental		(kristyg):
course		Approved for
Co-Listed		Pending CCC
Courses:		Agenda post
_		5. 04/05/17 4:12 pm
Course Reviewer		Lahne Black
Comments		(lahne): Approved
		for CCC Meeting
		Agenda
		6. 04/06/17 10:54
		am

Ilene Morgan (imorgan): Approved for Campus Curricula Committee Chair

Date Submitted: 02,	/14/17 3:22 pm	
viewing: <b>CHEN</b>	1 4630 : Introduction to Bio-Nanotechnology Industrial	In Workflow
Biochemisti		1. RCHEMIST Chair
	7	2. CCC Secretary 3. Sciences DSCC
File: 2456.1		Chair
Last edit: 04/05/1		4. Pending CCC
Changes proposed b	py: wangri	Agenda post
Requested	Fall <b>2017</b> <del>2014</del>	5. CCC Meeting
Effective Change		Agenda
Date		6. Campus Curricula
Department	Chemistry	Committee Chair
Discipline	Chemistry (CHEM)	7. FS Meeting
·		Agenda
Course Number	4630	8. Faculty Senate
Title	Introduction to Bio-Nanotechnology Industrial Biochemistry	Chair  9. Registrar
Abbreviated	Intro Bio-Nanotech Industrial	10. Ishelton
Course Title	Biochemistry	11. Peoplesoft
Catalog	This course will educate on A study of the interdisciplinary areas of bio-	•
Description	nanotechnology, problems involved in the utilization of biological systems for the	Approval Path
	production of bulk chemicals, the preparation of biologicals and the treatment of	1. 02/15/17 10:42
	waste from plants producing biologicals and foodstuffs. Goal is for students to	pm
	understand how biomacromolecules such as nucleic acids, proteins, and lipids self-	woelk (woelkk):
	assemble to form the functional units of an intact cell. Emphasis will be on current	Approved for
	application in DNA/protein nanotechnology, drug delivery and environmental	RCHEMIST Chair
	biosensors.	2. 02/21/17 3:12 pm
Prerequisites	At least junior standing. Junior standing.	Kristy Giacomelli
Field Trip		(kristyg):
Statement		Approved for CCC
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	Secretary 3. 03/07/17 11:25
		am
Required for	No	Ilene Morgan
Majors		(imorgan):
Elective for	Yes <del>No</del>	Approved for
Majors		Sciences DSCC
Justification for	Update course title and content to reflect current developments in biotechnology	Chair
change:	and biochemical industry in the areas of nanotechnology and environment.	4. 03/14/17 10:02
Semesters		am
previously		Kristy Giacomelli (kristyg):
offered as an		Approved for
experimental		Pending CCC
course		Agenda post
Co-Listed		5. 04/05/17 4:15 pm
Courses:		Lahne Black
		(lahne): Approved
Course Reviewer	woelkk (02/03/17 3:28 pm): Please see changes and resubmit if you agree.	for CCC Meeting
Comments	woelkk (02/03/17 3:29 pm): Rollback: please review changes and resubmit if you	Agenda
	agree	

imorgan (02/14/17 3:19 pm): Rollback: to make more of a distinction between 46306. 04/06/17 10:54and 5630.amimorgan (02/27/17 10:23 am): Marked elective for majors.Ilene Morganimorgan (03/07/17 11:25 am): Based on previous CCC discussions, changed "junior(imorgan):standing" to "at least junior standing".Approved forKey: 2456Campus Curricula

Preview Bride

Committee Chair

Date Submitted: 02,		In Workflow
_	1 5630 : Biochemical Nanotechnology Processing	1. RCHEMIST Chair
File: 398.1		2. CCC Secretary
Last edit: 03/07/1		3. Sciences DSCC
Changes proposed b	y: wangri	Chair
Requested	Fall <b>2017</b> <del>2014</del>	4. Pending CCC
Effective Change		Agenda post
Date		5. CCC Meeting Agenda
Department	Chemistry	6. Campus Curricula
Discipline	Chemistry (CHEM)	Committee Chair
Course Number	5630	7. FS Meeting
Title	Biochemical Nanotechnology Processing	Agenda
		8. Faculty Senate
Abbreviated	Bio-Nanotechnology	Chair
Course Title	Biochemical Processing	9. Registrar
Catalog	This course will educate on A study of the interdisciplinary areas of bio-	10. Ishelton 11. Peoplesoft
Description	nanotechnology. problems involved in the utilization of biological systems for the	11. Peoplesoit
	production of bulk chemicals, the preparation of biologicals and the treatment of	Approval Dath
	waste from plants producing biologicals and foodstuffs. Student will investigate the	Approval Path
	potential of nanoscience in advanced applications including DNA/protein	1. 02/15/17 10:44
	nanotechnology, drug delivery, environmental biosensor and emerging	pm woelk (woelkk):
	<b>biotechnology industries.</b> Credit may not be given for both Chem 5630 and Chem 4630.	Approved for
	4030.	RCHEMIST Chair
Prerequisites	At least junior standing. Junior standing.	2. 02/21/17 3:12 pn
Field Trip		Kristy Giacomelli
Statement		(kristyg):
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	Approved for CCC
Required for	No	Secretary
Majors		3. 03/07/17 11:26 am
Elective for	Yes <del>No</del>	llene Morgan
Majors	ies <del>no</del>	(imorgan):
		Approved for
Justification for	Update course title and content to reflect current developments in biotechnology	Sciences DSCC
change:	and biochemical industry on the areas of nanotechnology and environment.	Chair
Semesters		4. 03/14/17 10:03
previously		am
offered as an		Kristy Giacomelli
experimental		(kristyg):
course		Approved for Pending CCC
Co-Listed		Agenda post
Courses:		5. 04/05/17 4:13 pn
Course Reviewer	woelkk (02/03/17 3:44 pm): Rollback: No two courses can have the same title.	Lahne Black
Course Reviewer  Comments	Please review my edits and resubmit if you agree.	(lahne): Approved
30	imorgan (02/14/17 3:20 pm): Rollback: to make more of a distinction between 4630	for CCC Meeting
	and 5630.	Agenda
	imorgan (02/27/17 10:26 am): Marked elective for majors.	

Date Submitted: 02	/22/17 5:40 pm	
Viewing: <b>ECON</b>	5330 4330 : Econometric Methods Econometrics	In Workflow
File: 1289.1		1. RECONOMI Chair
Last edit: 04/05/1	7 4:19 pm	2. CCC Secretary
Changes proposed l		3. Social Sciences  DSCC Chair
	Fall <b>2017</b> <del>2014</del>	4. Pending CCC
Requested Effective Change	rdii <b>2017</b> <del>2014</del>	Agenda post
Date		5. CCC Meeting
	Francis	Agenda
Department	Economics	6. Campus Curricula
Discipline	Economics (ECON)	Committee Chair
Course Number	5330 4 <del>330</del>	7. FS Meeting
Title	Econometric Methods <del>Econometrics</del>	Agenda
Abbreviated	Econometric Methods	8. Faculty Senate Chair
Course Title	Econometrics  Econometrics	9. Registrar
	20010110110	10. Ishelton
Catalog	A survey of econometric topics and methods illustrated through real world	11. Peoplesoft
Description	applications. Includes Applied statistical analysis of economic phenomena, including	
	identification, least squares estimation, generalized least squares, two-stage least	Approval Path
	squares, simultaneous equations models, panel data bias, and qualitative choice	1. 02/23/17 10:03
	models. autocorrelation with emphasis on recent estimation procedures. Students will use modern statistical software packages (STATA, R) to perform hands-on	am
	quantitative analysis.	Gregory Gelles
	•	(gelles):
Prerequisites	Econ 2100 and Econ 2200, Stat 3111 or Stat 3113 or Stat 3115 or Stat 3117 or Stat	Approved for
	5643. 1115 & 1116, Econ 2100 and 2200.	RECONOMI Chair
Field Trip		2. 02/27/17 10:06
Statement		am
Credit Hours	LEC: <b>2 3</b> LAB: <b>1 0</b> IND: 0 RSD: 0 Total: 3	Kristy Giacomelli
Required for	No	(kristyg): Approved for CCC
Majors		Secretary
Elective for	Yes <del>No</del>	3. 03/01/17 1:54 pm
Majors		Barry Flachsbart
		(barryf):
Justification for	This is an advanced quantitative methods course for students interested in	Approved for
change:	developing research skills in economics. The catalog number, title and description	Social Sciences
	are being revised to accurately reflect the level, updated content, and use of current	DSCC Chair
	software. Although this course has not been taught in recent years, it is being reintroduced into the economics curriculum and will be offered once a year during	4. 03/14/17 10:12
	the spring semester.	am
		Kristy Giacomelli (kristyg):
Semesters	Has not been taught in recent years.	Approved for
previously offered as an		Pending CCC
experimental		Agenda post
course		5. 04/05/17 4:19 pm
		Lahne Black
Co-Listed Courses:		(lahne): Approved
Courses.		for CCC Meeting
		Agenda

Course Reviewer

Comments

6. 04/06/17 10:55

am

Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

/iewing· <b>EDUC</b>	3222 2222: Geometric Concepts for Elementary Teachers	In Workflow
File: 2400.9	The second series of the serie	1. RPHILOSO Chair
ast approved: 12	/14/16 3:14 am	2. CCC Secretary
ast edit: 02/13/1		3. Arts & Humanities DSCO
Changes proposed b		Chair
Requested	Fall 2017 Spring 2016	4. Pending CCC
Effective Change		Agenda post
Date		5. CCC Meeting
Department	Arts, Languages, & Philosophy	Agenda
Discipline	Education (EDUC)	6. Campus Curricula Committee Chair
Course Number	3222 <del>2222</del>	7. FS Meeting
		Agenda
Title	Geometric Concepts for Elementary Teachers	8. Faculty Senate
Abbreviated	Geom Concepts Elem Tch	Chair
Course Title		9. Registrar 10. Ishelton
Catalog	The course covers methods of teaching the study of points, lines, polygons,	11. Peoplesoft
Description	similarity, congruence, constructions, and proof in Euclidean Plane Geometry.	
	Transformational geometry and trigonometry are introduced to elementary	Approval Path
	teachers.	1. 03/06/17 7:50 am
Prerequisites	Math 1120 or Math 1140.	Audra Merfeld-
Field Trip		Langston
Statement		(audram):
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	Approved for RPHILOSO Chair
Required for	No	2. 03/08/17 11:12
Majors		am
Elective for	No	Kristy Giacomelli
Majors		(kristyg):
Justification for	Due to changes with DESE certification requirements, we need to change this to a	Approved for CCC Secretary
change:	3000 level course, from EDUC 2222 to EDUC 3222.	3. 03/09/17 1:12 pm
Semesters		Petra Dewitt
previously		(dewittp):
offered as an		Approved for Art
experimental		& Humanities
course		DSCC Chair 4. 03/14/17 10:13
Co-Listed	MATH 3922 - Geometric Concepts for Elementary Teachers	am
Courses:		Kristy Giacomelli
Course Reviewer		(kristyg):
Comments		Approved for
		Pending CCC  Key: 2400  Agenda post
		5. 04/05/17 4:24 pn
		Lahne Black
		(lahne): Approved

for CCC Meeting
Agenda
6. 04/06/17 10:56
am
Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

#### History

1. Dec 14, 2016 by welchms (2400.1)

	New Course Proposal	In Martifla
Date Submitted: 03	/08/17 3:23 pm	In Workflow
lewing: IS&T	5520 : Data Methodologies in Python	1. RINFSCTE Chair
File: 4407	,	2. CCC Secretary 3. Social Sciences
ast edit: 03/08/1	7 3:23 nm	DSCC Chair
Changes proposed b		4. Pending CCC
enanges proposed i		Agenda post
Programs	ANA&DTA-MI: Business Analytics and Data Science Minor	5. CCC Meeting
referencing this		Agenda
course		6. Campus Curricula
		Committee Chair
Requested	Fall 2017	7. FS Meeting Agenda
Effective Change		8. Faculty Senate
Date		Chair
Department	Business and Information Technology	9. Registrar
Discipline	Info Science & Technology (IS&T)	10. Ishelton
Course Number	5520	11. Peoplesoft
Title	Data Methodologies in Python	
Abbreviated	Data Methods in Python	Approval Path
Course Title		1. 03/08/17 3:44 pn
		siauk: Approved for RINFSCTE
Catalog	Python methodologies for manipulating, processing, cleaning, grouping, slicing,	Chair
Description	reshaping and summarizing information in data-intensive applications; managing	2. 03/08/17 3:45 pn
	files, scraping web pages, mining social media; describing, modeling, analyzing, and visualizing data. Tools include pandas, NumPy, SciPy, and Matplotib libraries.	Kristy Giacomelli
		(kristyg):
Prerequisites	One of Stat 3111, Stat 3113, Stat 3115, Stat 3117 and either IS&T 1552 or Comp Sci	Approved for CCC
	1510; for Graduate Students: Graduate Standing and Knowledge of Calculus, Statistics, and Programming.	Secretary
	Statistics, and Programming.	3. 03/08/17 5:07 pr
Field Trip		Barry Flachsbart
Statement		(barryf): Approved for
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	Social Sciences
Required for	No	DSCC Chair
Majors		4. 03/14/17 10:14
Elective for	Yes	am
Majors		Kristy Giacomelli
	T 111 C 100 C 17	(kristyg):
Justification for new course:	Taught in Sp 16 & Sp17	Approved for
		Pending CCC Agenda post
Semesters	Sp16 & Sp17	5. 04/06/17 9:42 an
previously offered as an		Lahne Black
experimental		(lahne): Approve
course		for CCC Meeting
Co-Listed		Agenda
Co-Listed		6. 04/06/17 10:56
-50.565.		am
		Ilene Morgan

Course Reviewer

Comments

Approved for

Campus Curricula

Committee Chair

D . C	New Course Proposal	In Workflow
Date Submitted: 02,		1. RMECHENG Chai
Viewing: <b>MECH</b>	I ENG 6585 : Advanced Optical Materials and Structures	2. CCC Secretary
File: 4394		3. Engineering DSCC
Last edit: 02/22/1	7 11:32 am	Chair
Changes proposed b	py: nisbett	4. Pending CCC
Requested	Fall 2017	Agenda post
Effective Change		5. CCC Meeting
Date		Agenda 6. Campus Curricula
Department	Mechanical & Aerospace Engineering	Committee Chair
Discipline	Mechanical Engineering (MECH ENG)	7. FS Meeting
		Agenda
Course Number	6585	8. Faculty Senate
Title	Advanced Optical Materials and Structures	Chair
Abbreviated	Adv Optical Materials	9. Registrar
Course Title		10. Ishelton
		11. Peoplesoft
Catalog	Fundamental principles and advanced topics in optical materials and structures	
Description	covering areas of photonics, plasmonics and metamaterials, and nanofabrication	Approval Path
	techniques.	1. 02/07/17 2:56 pn
Prerequisites	Elec Eng 5200 or equivalent.	James Drallmeier
Field Trip		(drallmei):
Statement		Approved for RMECHENG Chair
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	2. 02/09/17 11:18
Required for	No	am
Majors		Lahne Black
-	v.	(lahne): Approved
Elective for	Yes	for CCC Secretary
Majors		3. 02/22/17 11:32
Justification for	This course has been taught twice. It is an important area of research that	am
new course:	encompasses Mechanical Engineering, as well as interdisciplinary interests.	sraper: Approved
Semesters	Fall 2015 (9 enrolled students), Fall 2016 (8 enrolled students)	for Engineering
previously		DSCC Chair 4. 03/14/17 10:15
offered as an		am
experimental		Kristy Giacomelli
course		(kristyg):
Co-Listed		Approved for
Courses:		Pending CCC
		Agenda post
Course Reviewer		5. 04/06/17 9:43 am
Comments		Lahne Black
		(lahne): Approved
		for CCC Meeting
		Agenda 6. 04/06/17 10:57
		am
		Ilene Morgan

(imorgan):
Approved for
Campus Curricula
Committee Chair

Date Submitted: 03/	'05/17 9:21 pm	
Viewing: PHILO	S 4399 : Topics in Philosophy	In Workflow
File: 1786.4		1. RPHILOSO Chair
Last approved: 05	/24/16 4:57 am	2. CCC Secretary
Last edit: 04/06/1		3. Arts &
Changes proposed b		Humanities DSCC Chair
		4. Pending CCC
Requested	Fall <b>2017</b> <del>2016</del>	Agenda post
Effective Change Date		5. CCC Meeting
		Agenda
Department	Arts, Languages, & Philosophy	6. Campus Curricula
Discipline	Philosophy (PHILOS)	Committee Chair
Course Number	4399	7. FS Meeting
Title	Tonics in Philosophy	Agenda
	Topics in Philosophy	8. Faculty Senate
Abbreviated	Topics in Philosophy	Chair
Course Title		9. Registrar
Catalog	This communication An-intensive course is designed for students with a special	10. Ishelton 11. Peoplesoft
Description	interest in philosophy. The content of the course may vary and the course may be	11. Feoplesoft
	repeated for additional credit.	
Prerequisites	Any <del>1000-level or higher</del> Philosophy course.	Approval Path
•	Any 1000 level of higher-i miosophy course.	1. 03/06/17 7:49 am
Field Trip		Audra Merfeld-
Statement		Langston (audram):
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	Approved for
Required for	No	RPHILOSO Chair
Majors		2. 03/08/17 11:13
Elective for	Yes	am
Majors		Kristy Giacomelli
,		(kristyg):
Justification for	A change has been made to make this a Communication Intensive course. The	Approved for CCC
change:	philosophy program needs a Communication Intensive course. The current	Secretary
	Communication Intensive course, Philosophy of Religion, is not offered by any of our	3. 03/09/17 1:13 pm
	instructors, and has not been offered for at least 6 years.	Petra Dewitt
	This course Phil 4200 is regularly offered and requires a considerable amount of	(dewittp):
	This course, Phil 4399, is regularly offered, and requires a considerable amount of writing, discussion, and sometimes student presentations.	Approved for Arts & Humanities
	witting, discussion, and sometimes student presentations.	DSCC Chair
Semesters		4. 03/14/17 10:15
previously		am
offered as an		Kristy Giacomelli
experimental course		(kristyg):
		Approved for
Co-Listed		Pending CCC
Courses:		Agenda post
Course Reviewer		5. 04/06/17 9:43 am
Comments		Lahne Black
		(lahne): Approved

for CCC Meeting
Agenda
6. 04/06/17 10:57
am
Ilene Morgan
(imorgan):
Approved for
Campus Curricula
Committee Chair

#### History

1. May 24, 2016 by denises (1786.1)

Date Submitted: 02	J. E010 . Introduction to Comingr in Industrial / Organization	In Workflow
Viewing: <b>PSYCI</b>	I 5010: Introduction to Seminar in Industrial / Organization	1. RPSYCHOL Chair
<b>Psychology</b>	2. CCC Secretary	
File: 2342.5		3. Social Sciences
Last approved: 01	/13/17 3:14 am	DSCC Chair
Last edit: 04/06/1	4. Pending CCC	
Changes proposed I	y: weidnern	Agenda post 5. CCC Meeting
	INORGPS-MS: Industrial Organizational Psychology MS	Agenda
Programs		6. Campus Curricul
referencing this course		Committee Chair
course		7. FS Meeting
Other Courses	In The Prerequisites:	Agenda
referencing this	PSYCH 6602 : Job Attitudes, Emotions, and Discretionary	8. Faculty Senate
course	Behaviors PSYCH 6610: Leadership, Motivation, and Culture	Chair 9. Registrar
	131CH 0010 : Leadership, Motivation, and Culture	10. Ishelton
Requested	Fall 2017	11. Peoplesoft
Effective Change		
Date		Approval Path
Department	Psychological Science	1. 02/27/17 3:26 pr
Discipline	Psychology (PSYCH)	murray:
Course Number	5010	Approved for
		RPSYCHOL Chair
Title	Introduction to Seminar in Industrial / Organizational Psychology	2. 02/27/17 3:28 pr Kristy Giacomelli
Abbreviated	Intro Seminar-I/O Psychology	(kristyg):
Course Title		Approved for CCC
Catalog	Review of the most recent theoretical and applied research in advanced personnel	Secretary
Description	and organizational psychology. Topics will include personnel selection, training and	3. 03/01/17 1:53 pi
	performance appraisal, job attitudes, motivation, work groups and teams,	Barry Flachsbart
	leadership, organizational culture, and organizational development.	(barryf):
Prerequisites	Graduate standing.	Approved for Social Sciences
Field Trip		DSCC Chair
Statement		4. 03/14/17 10:16
Credit Hours	LEC: <b>3</b>	am
Required for	Yes	Kristy Giacomelli
Majors	163	(kristyg):
Elective for	No	Approved for Pending CCC
Majors	NO	Agenda post
,		5. 04/06/17 9:44 ar
Justification for	As part of the revisions to the Applied Workplace Psychology Graduate Certificate, it	Lahne Black
change:	was recommended that we change this course from a seminar to a lecture. We	(lahne): Approve
	would like to change the name from "Seminar in" to "Introduction to" which better	for CCC Meeting
	captures the nature of the course.	Agenda
Semesters		6. 04/06/17 10:58 am
previously		Ilene Morgan

experimental course  Co-Listed Courses:	(imorgan): Approved for Campus Curricula Committee Chair
Course Reviewer Comments Key: 234.	History  1. Jan 13, 2017 by weidnern (2342.1)

#### **Program Change Request**

Date Submitted: 02	·		In Workflow
/iewing: <b>GS</b> I	ECON-MI : Glob	oal Sustainable Economics Minor	1. RECONOMI Chair
File: 139.4			2. CCC Secretary
ast approved:	08/15/14 10:39 am		3. Social Sciences DSCC Chair
ast edit: 04/06			4. Pending CCC Agenda post
Changes proposed			5. CCC Meeting
changes proposed	-		Agenda 6. Campus Curricula
Catalog Pages Using this Program	<u>Economics</u>		Committee Chair 7. FS Meeting Agenda 8. Faculty Senate Chair
Start Term	Fall <b>2017</b> <del>2014</del>		9. Registrar 10. kristyg
Program Code	GS ECON-MI		
Department	Economics		Approval Path
			1. 02/15/17 2:57 pm Gregory Gelles
Title	Global Sustainable Eco	onomics Minor	(gelles): Approved
Program Regui	rements and Description	on	for RECONOMI Chair
3	<b>,</b>		2. 02/21/17 3:12 pm Kristy Giacomelli
			(kristyg): Approved
Global Sustain	nable Economics Minor	,	for CCC Secretary 3. 03/01/17 1:57 pm
			Barry Flachsbart
(15 hours)			(barryf): Approved for Social Sciences
			DSCC Chair
			4. 03/14/17 10:18 am Kristy Giacomelli
			(kristyg): Approved
			for Pending CCC
			Agenda post 5. 04/06/17 9:47 am
			Lahne Black
			(lahne): Approved for CCC Meeting
			Agenda
			6. 04/06/17 10:58 am
			llene Morgan (imorgan):
			Approved for
			Campus Curricula
			Committee Chair
			History
			1. May 7, 2014 by
			Lahne Black (lahne
			2. May 7, 2014 by Lahne Black (lahne
			3. Aug 15, 2014 by
			pantaleoa
Required courses:			·
ECON 1100 & ECON 2100		Principles Of Microeconomics and Intermediate Microeconomic Theory	6
or <u>ECON 1200</u> & <u>ECON 2200</u>		Principles Of Macroeconomics and Intermediate Macroeconomic Theory	
ECON 4641		Foundations of Sustainability	3
And 6 hours from:			
ECON 3512/MIN EN	G 3512	Mining Industry Economics	3
ECON 4440		Environmental And Natural Resource Economics	3
		Introduction to Clobal Fee, and Coolel property bin and Innovation	2
ECON 4642		Introduction to Global Eco- and Social-preneurship and Innovation	3
		Ethical Problems in a Global Environment	3

Comments

ECON 4540	Energy Economics	3
ENV ENG 5640	Environmental Law And Regulations	3
ENV ENG 5642	Sustainability, Population, Energy, Water, and Materials	3
HISTORY 3470	Course HISTORY 3470 Not Found	3
PSYCH 4730	Environmental Psychology	3
HISTORY 4470	American Environmental History	3
Justification for request	History changed the course number of Hist 3470 to 4470. Also, when the Global minor was created, course number Econ 4643 should have been one of the courses included on the original document and somehow was inadvertently left off. We are correcting both these issues with this submission.	
Supporting Documents		
Course Reviewer	barryf (02/21/17 6:01 pm): History course number change had not been fixed. Fixed it	

lahne (04/06/17 9:46 am): edited program information to remove editorial comment

Key: 139

	New Experimental Course Proposal	In Workflow		
ate Submitted: 02/08/17 5:02 pm				
riewing: AERO ENG 6001.002: Electric Space Propulsion				
ile: 4396				
ast edit: 04/06/17 9:48 am				
Changes proposed b	y: nisbett	4. Pending CCC		
Requested	Fall 2017	Agenda post 5. CCC Meeting		
Effective Change		Agenda		
Date		6. Campus Curricula		
Department	Mechanical & Aerospace Engineering	Committee Chair		
Discipline	Aerospace Engineering (AERO ENG)	7. Registrar		
Course Number	6001	4 15 11		
Topic ID	002	Approval Path		
Experimental	Electric Space Propulsion	1. 02/09/17 7:14 am James Drallmeier		
Title		(drallmei):		
Experimental	Electric Space Propul	Approved for		
Abbreviated		RMECHENG Chair		
Course Title		2. 02/09/17 11:03		
Instructors	Dr. Josh Rovey	am Lahne Black		
Experimental	Introduction to electric space propulsion, including electricity and magnetism,	(lahne): Approved		
Catalog	atomic physics, physics of ionized gases, plasmadynamics, non-equilibrium flows and	for CCC Secretary		
Description	electrothermal, electromagnetic and electrostatic acceleration of gases to high	3. 02/22/17 11:25		
	velocity, including resistojet, arcjet, ion engine, Hall thruster, MPD arc thruster, and	am sraper: Approved		
	electrospray propulsion.	for Engineering		
Prerequisites	One of: Aero Eng 5131, Mech Eng 5131, Aero Eng 5535, Mech Eng 5535, Aero Eng	DSCC Chair		
	5570, Mech Eng 5570, Nuc Eng 5570, Phys 5570, Aero Eng 6137, Mech Eng 6137.	4. 03/14/17 10:18		
Field Trip		am		
Statement		Kristy Giacomelli		
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	(kristyg): Approved for		
lustification for	This is an important area of research and development in space propulsion.	Pending CCC		
Justification for new course:	This is an important area or research and development in space propulsion.	Agenda post		
new course.	Create co-list: Mech Eng 6001	5. 04/06/17 9:48 am		
Semester(s)	None.	Lahne Black		
previously taught		(lahne): Approved for CCC Meeting		
	This course should also be colisted as Mech Eng 6001.	Agenda		
Co-Listed		6. 04/06/17 11:01		
Courses:		am		
Course Devices		llene Morgan		
Course Reviewer		(imorgan):		
Comments	Key: 4396	Approved for		
	K.EY; 4.596	Campus Curricula Committee Chair		

	New Experimental Course Proposal	Le Martilla
Date Submitted: 03,	In Workflow  1. RPHILOSO Cha	
Viewing: ALP 2	2. CCC Secretary	
File: 4411	3. Arts &	
Last edit: 04/06/1	Humanities DSC	
Changes proposed b	py: audram	Chair
Requested	Fall 2017	4. Pending CCC  Agenda post
Effective Change		5. CCC Meeting
Date		Agenda
Department	Arts, Languages, & Philosophy	6. Campus Curricul
Discipline	Arts, Languages & Philosophy (ALP)	Committee Chair
Course Number	2001	7. Registrar
Topic ID	001	Approval Path
Experimental	The Global Village	1. 03/09/17 9:21 ar
Title		Audra Merfeld-
Experimental	The Global Village	Langston
Abbreviated		(audram): Approved for
Course Title		RPHILOSO Chair
Instructors	Audra Merfeld-Langston	2. 03/09/17 10:32
Experimental	Via coursework and travel abroad, this course will introduce students to the concept	am
Catalog	of global citizenship. Course goals include improving intercultural communication,	Kristy Giacomelli (kristyg):
Description	critical thinking, and entrepreneurial skills, and preparing to be competent in the	Approved for CC
	global workforce. The specific course focus will vary according to the study abroad travel destination.	Secretary
Prerequisites	Consent of instructor.	3. 03/09/17 1:11 pr
•		Petra Dewitt (dewittp):
Field Trip Statement	This course will require participation in a study abroad component, currently scheduled to take place during winter break to Martinique for approximately 16	Approved for Art
	days. Cost of the trip will be approximately \$4000.	& Humanities
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	DSCC Chair
		4. 03/14/17 10:22 am
Justification for new course:	This course will provide experiential learning opportunities for students via faculty- led study abroad, provide practical activities related to several Residential Life Living	Kristy Giacomelli
new course.	Learning Communities (the Global Awareness LLC and the Entrepreneurship LLC)	(kristyg):
	and students studying French, and contribute to the university's goal of doubling the	Approved for
	number of students studying abroad by 2020 as part of the Generation Study	Pending CCC Agenda post
	Abroad initiative. The course will count towards the French minor, and the	5. 04/06/17 9:49 ar
	instructor will propose to the Global Studies minor committee that this course to count towards the Global Studies minor; at a minimum, it will fulfill the experience	Lahne Black
	abroad requirement for the Global Studies minor.	(lahne): Approve
		for CCC Meeting
	The course ties in with S&T's strategic plan, including themes 1.1, 1.2, 1.4, 1.5, 2.3,	Agenda 6. 04/06/17 11:01
	3.5, 3.7, 4.6, and 4.9. The course also aligns with S&T's strategy statement, which includes "demonstrating our value added as a global university that integrates cross-	am
	cultural understanding in all aspects of our educational enterprise."	llene Morgan
	Fall 2008, Spring 2009	(imorgan):
		Approved for

Semester(s)
previously taught

Co-Listed
Courses:

Course Reviewer Comments

Comments

Compus Curricula Committee Chair

Committee Chair

Committee Chair

Key: 441:

	New Experimental Course Proposal	In Workflow			
Date Submitted: 11/18/16 4:42 pm					
/iewing: CHEM ENG 5001.002 : Applied Numerical Methods for CFD					
ile: 4374					
ast edit: 04/06/17 9:54 am					
Changes proposed b	r: marlene	4. Pending CCC  Agenda post			
Requested	Fall 2017	5. CCC Meeting			
Effective Change		Agenda			
Date		6. Campus Curricula			
Department	Chemical and Biochemical Engineering	7. Registrar			
Discipline	Chemical Engineering (CHEM ENG)	7. Registral			
Course Number	5001	Approval Path			
Topic ID	002	1. 01/25/17 4:11 pr			
Experimental Title	Applied Numerical Methods for CFD	Muthanna Al-			
Experimental	Appl Numer Methods CFD	(aldahhanm):			
Abbreviated		Approved for RCHEMENG Chair			
Course Title		2. 02/09/17 11:21			
Instructors	Dr. Joseph D. Smith	am			
Experimental	Understanding numerical methods on which CFD (Computational Fluid Dynamics) is	Lahne Black			
Catalog	based allows better understanding and judgement of simulation accuracy. Basic	(lahne): Approve			
Description	understanding of numerical methods used for inviscid flow parabolized and	3. 02/22/17 11:31			
	standard Navier-Stokes equations. Commercial code used to explore practical problems to gain understanding by student	am			
Dunnanisitas		sraper: Approved			
Prerequisites	Graduate standing.	for Engineering DSCC Chair			
Field Trip Statement		4. 03/14/17 10:24			
	150 0	am			
Credit Hours	LEC: 2 LAB: 1 IND: 0 RSD: 0 Total: 3	Kristy Giacomelli			
Justification for	To prepare students for careers in industry.	(kristyg):			
new course:		Approved for Pending CCC			
Semester(s)	none	Agenda post			
previously taught		5. 04/06/17 9:54 an			
Co-Listed		Lahne Black			
Courses:		(lahne): Approve			
Course Reviewer	sraper (02/22/17 11:31 am): Edits to description and change effective date. There is	Agenda			
Comments	concern with the stated prereq that needs to be discussed at CCC meeting.	6. 04/06/17 11:06			
	Key: 43	a iii			
		llene Morgan			
		(imorgan): Approved for			
		Campus Curricula			
		Committee Chair			

	New Experimental Course Proposal	In Workflow			
Date Submitted: 02/	/03/17 1:17 pm	1. RCOMPSCI Chair			
Viewing: COMP SCI 6001.002 : Special Topics in Real-Time and Cyber-Physical					
Systems					
File: 4393		Chair 4. Pending CCC			
Last edit: 04/06/1 Changes proposed b		Agenda post 5. CCC Meeting			
Requested Effective Change Date	Fall 2017	Agenda 6. Campus Curricula Committee Chair			
Department	Computer Science	7. Registrar			
Discipline	Computer Science (COMP SCI)	Approval Path			
Course Number	6001	1. 02/03/17 1:49 pr			
Topic ID	002	Sajal Das (sdas):			
Experimental Title	Special Topics in Real-Time and Cyber-Physical Systems	Approved for RCOMPSCI Chair 2. 02/09/17 11:23			
Experimental Abbreviated Course Title	Topics in RTS and CPS	am Lahne Black (lahne): Approve			
Instructors	Zhishan Guo	for CCC Secretary			
Experimental Catalog Description	Cyber-physical systems are built from, and depend upon, the seamless integration of computational algorithms and physical components, where both logical and temporal (real-time) correctness need to be demonstrated. This course will focus on advanced workload models and the Mixed-Criticality design of such systems.  Students will conduct semester projects.	3. 02/22/17 11:31 am sraper: Approved for Engineering DSCC Chair 4. 03/14/17 10:25			
Prerequisites Field Trip Statement	A grade of "C" or better in both COMP SCI 3800 and COMP SCI 5200.	am Kristy Giacomelli (kristyg): Approved for			
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	Pending CCC			
Justification for new course:	The field of cyber-physical systems is quickly growing in importance and this course will expose students to the state-of-the-art and familiarize them with the particular research methods employed in this field.	Agenda post 5. 04/06/17 9:55 an Lahne Black (lahne): Approved			
Semester(s) previously taught	None	for CCC Meeting Agenda			
Co-Listed Courses:		6. 04/06/17 11:07 am Ilene Morgan			
Course Reviewer Comments		(imorgan): Approved for			
	Key: 439	Campus Curricula Committee Chair			

	New Experimental Course Proposal	In Workflow					
Date Submitted: 02/07/17 4:29 pm Viewing: MECH ENG 6001.TBD : Advanced Computational Thermofluid							
					Mechanics		3. Engineering DSCC
File: 4395		4. Pending CCC					
Last edit: 02/07/1	7 4:29 pm	Agenda post					
Changes proposed b	y: nisbett	5. CCC Meeting Agenda					
Requested Effective Change Date	Effective Change						
Department	Mechanical & Aerospace Engineering	7. Registrar					
Discipline	Mechanical Engineering (MECH ENG)	Approval Path					
Course Number	6001	1. 02/07/17 4:38 pm					
Topic ID	TBD	James Drallmeier					
Experimental Title	Advanced Computational Thermofluid Mechanics	(drallmei): Approved for RMECHENG Chair					
Experimental Abbreviated Course Title	Adv Comp Thermofluid	2. 02/09/17 11:28 am Lahne Black					
Instructors	Dr. Kelly Homan	(lahne): Approved					
Experimental Catalog Description	Basic concepts of discretization, consistency and stability for model equations. Iterative solution methods (including multigrid), meshing and coordinate transformations. Application of computational methods to the Navier-Stokes equations, boundary layers, and turbulence modeling. Emphasis on open-source programming tools.						
Prerequisites	Mech Eng 5131 or Aero Eng 5131; Mech Eng 5139 or Aero Eng 5139	4. 04/06/17 10:03					
Field Trip Statement		am Kristy Giacomelli (kristyg):					
Credit Hours	LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3	Approved for Pending CCC					
Justification for new course:	This is an important and practical topic for modeling and solving problems in thermofluid mechanics.	Agenda post 5. 04/06/17 10:21 am					
	This course should be also colisted as Aero Eng 6001.	Lahne Black					
Semester(s) previously taught	None	(lahne): Approved for CCC Meeting					
Co-Listed Courses:		Agenda 6. 04/06/17 11:07 am					
Course Reviewer		llene Morgan					
Comments		(imorgan): Approved for					
	Key: 4						

		New Ex	perimental	Course Pro	posal		In Workflow
ate Submitted: 02,	26/17 6:25 pm	ı					1. RMATHEMA
riewing: STAT 6001.003 : Survival Analysis					Chair		
ile: 4402						2. CCC Secretary	
ast edit: 04/06/17 9:58 am						3. Sciences DSCC	
nanges proposed b	y: imorgan						Chair 4. Pending CCC
Requested	Fall 2017						Agenda post
Effective Change							5. CCC Meeting
Date							Agenda
Department	Mathematics	& Statistics					6. Campus Curricula
Discipline	Statistics (STA	AT)					Committee Chair 7. Registrar
Course Number	6001						Transportar
Горіс ID	003						Approval Path
Experimental	Survival Anal	ysis					1. 02/26/17 8:33 pn
Title							sclark: Approved
Experimental	Survival Anal	ysis					for RMATHEMA
Abbreviated							Chair 2. 02/27/17 10:06
Course Title							am
nstructors	Dr. Akim Ade	kpedjou					Kristy Giacomelli
Experimental	Analysis of (p	ossibly incomp	lete) data repres	senting the time t	o a well-defined even	t	(kristyg):
Catalog					and estimation of the		Approved for CCC
Description				up and compariso			Secretary 3. 03/07/17 11:27
			_	ncation. Nelson-A	alen and Kaplan-Meie	r	am
		ox and frailty n					Ilene Morgan
Prerequisites	Stat 5643 and	d Stat 5644; pri	or exposure to N	MATLAB or R reco	mmended.		(imorgan):
Field Trip							Approved for Sciences DSCC
Statement							Chair
Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0	Total: 3		4. 03/14/17 10:32
lustification for	Too much tin	ne has elapsed	since the last ex	perimental offeri	ng.		am
new course:							Kristy Giacomelli
Semester(s)	SP 2008, FS 2	010					(kristyg): Approved for
previously taught							Pending CCC
Co-Listed							Agenda post
Courses:							5. 04/06/17 9:58 an
Course Reviewer							Lahne Black (lahne): Approved
Comments							for CCC Meeting
						Key: 4402	
							6. 04/06/17 11:08
							am
							Ilene Morgan (imorgan):
							(iiiioi gaii).

Campus Curricula Committee Chair