From: 573 341 4362 Page: 1/13 Date: 8/17/2012 11:04:44 AM



Missouri University of Science and Technology

Formerly University of Missouri-Rolla

Agenda Campus Curricula Committee Meeting September 5, 2012 12 p.m. Room 117 Fulton Hall

Review of submitted DC forms:

DC 0423, Electrical Engineering, Power and Energy emphasis area, effective Spring 2013. A proposal to modify the current power and energy emphasis area.

Review of submitted CC forms:

CC 8244, Computer Engineering 358, Electrical Engineering 367, Systems Engineering 367, Computational Intelligence, effective Fall 2012.

CC 8262, Marketing 350, Customer Focus and Satisfaction, effective Spring 2013.

CC 8263, Business 350, Customer Focus & Satisfaction, effective Spring 2103.

CC 8264, Business 450, Advanced Customer Focus & Satisfaction, effective Spring 2013.

CC 8265, Marketing 450, Advanced Customer Focus and Satisfaction, effective Spring 2013.

CC 8269, Speech and Media 275, Foundations of Video Communication, effective Spring 2013.

CC 8270, Mechanical Engineering 463, Advanced Digital Design and Manufacturing, effective Spring 2013.

CC 8273, Aerospace Engineering 414, Advanced Astrodynamics, effective Spring 2013.

Review of submitted EC forms:

EC, Mechanical Engineering 301, Viscoelastic Materials: Modeling and Applications, effective Spring 2013.

Tabled Items:

CC 8232, Technical Communication 311, International Dimensions of Technical Communication. **Tabled**.

1

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

From: 573 341 4362 Page: 2/13

Date: 8/17/2012 11:04:44 AM

DC #()4)3-2012-FE-000-00 Effective Year: FS2012 Fall 💹 Effective Term: Summer 🗌 Spring 🔯 (Creating or modifying a degree program must be effective for a Fall term)

Degree Change Form (DC)

This form is to be used for creating or modifying degree programs, emphasis areas, and minors.

Title of degree program, emphasis area, or minor:

Electrical Engineering B.S. Program with Power and Energy Emphasis

Department: Electrical & Computer Engineering

Briefly describe action requested (Attach documentation as appropriate):

Add EE 353 Power Electronics as an additional approved elective for EE Elective D or Elective E in the EE B.S. with Power and Energy Emphasis.

The emphasis area change will be added to students' CAPS/Audit report.

The catalog description for emphasis areas will be changed accordingly. The old descrition for the power and energy course list is "Power and Energy: El Eng 205 or 207, and 30X (Excluding El Eng 200, 201, 202, 300, and 301 Course)" The new descrition for the power and energy course list will be "Power and Energy: El Eng 205 or 207, 353, and 30X (Excluding El Eng 200, 201, 202, 300, and 301 Course)"

Recommended by Department:	(Chair signature)	Date: 16 Apr 2011
Recommended by Discipline Specific Curricula Co	ommittee: <u>Mire Walkin</u> (Chair signature)	Date: <u>5/9/12</u>
Approved by Curricula Committee:	(Chair signature)	Date:
Approved by Faculty Senate:	(Chair signature)	Date:

(Revised 1/31/2008)

From: 573 341 4362 Page: 3/13 Date: 8/17/2012 11:04:44 AM

cc File #1244 -2012-Cp E-358-32 Effective Year: 2012 Spring 🗌 Fall 🗵 Term: Summer 🔲 Course Change Form (CC) This form is for creating or modifying permanent courses. Course Changes (Check all changes.) Credit Hours Prerequisites 🛛 New Course 🗌 Course Deletion Co-listing 🔲 Course Number Course Title 🗌 Catalog Description Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.) 1. Department: Elec & Computer Engr 2. Discipline and Course Number: Present : CpE 358 Proposed: Present: Computational Intelligence Proposed: Abbreviated Course Title: (24 Spaces or Less. Only needed for New Courses or Title Changes.) 4. Catalog Description (300 Character Spaces or Less.) Intro to Computational Intelligence, Biological & Artificial Neuron, Neural Networks, Present: Evolutionary Computing, Swarm Intelligence, Artificial Immune Systems, Fuzzy Systems & Hybrid Systems, CI Application case studies covered include digital systems, control, power systems, forecasting & time-series, predictions. Proposed: 5. If course requires field trip check box: Total: 3 Lecture: 3 Lab: 0 Present: 6. Credit Hours: Total: Lab: Lecture: Proposed: 7. Prerequisites: Present: Statistics 217 Proposed: CS 153 or programming competency Elective for Majors: 🛛 8. Required for Majors: Current prerequisities out of date. Students will undertake programming-based 9. Justification: projects to demonstrate CI techniques. Students will need programming competency. 10. Semesters previously offered as an experimental course (101, 201, 301, 401): 11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below. 1) EE 367 2W Date: 20 Harlo(1 Recommended by Department Recommended by Discipline Specific Curricula Committee Mare Valler (Chair signature) Date: _____ Approved by Curricula Committee: ____ (Chair signature) Date: _____ Approved by Faculty Senate: ___ (Chair signature)

From: 573 341 4362

Page: 4/13

Date: 8/17/2012 11:04:45 AM

Martin, Sandra J.

From:

Seiffertt , John E

Sent:

Tuesday, March 20, 2012 11:34 AM

To:

Martin, Sandra J.

Cc:

Stanley, R. Joe

Subject:

CC Form for CpE 358

Sandy,

Per our conversation, I am writing to request the CC form for the Computational Intelligence course be filled out. I have spoken with Joe Stanley about these changes already.

Course: CpE 358 Computational Intelligence Crosslisted with EE 367 and Sys Eng 367 (does the form have to be filled out for each listing?)

Current Prereq: Stat 217

Proposed Prereq: CS 153 or programming competency

Reason: The Stat prereq is out of date. I plan to have the students undertake programming-based projects to demonstrate CI techniques. For this reason, they need to have programming competency.

Thanks,

John

John Seiffertt **Assistant Teaching Professor Electrical and Computer Engineering** (5 2012 (5)// Missouri S&T

From: 573 341 4362 Page: 5/13 Date: 8/17/2012 11:04:45 AM

Effective Yea Term: Summo		☐ Spring 🛭		CC File	# 8262-2012 - M	KT350-34
	=	This form is for c		Form (ifying permaner		
<u>Course Cha</u>	nges (Che	ck all changes.)				
New Course [Cou	rse Deletion 🗌		it Hours 🔲	Prerequisite	
Course Title 🛚	 -	log Description	_	se Number 🗌	Co-listing 🗵	•
				Proposed" items b	lank if no change i	s being made.)
1. Departme	ent: Busines	s & Information	Technol			
2. Discipline		e Number: Po			posed:	
3. Course Title	e: Present Propose	t: Customer Fo ed:	cus and Satisfa	ection		
	ed Course (24 Spa	Title: aces or Less. Onl <i>00 Character Spac</i>	ly needed for N es or Less.)	lew Courses or 1	fitle Changes.)	
Present:	Major emplobtaining of services to long HoQ p	hasis is given to customer needs, satisfy custome project will be do	the concept of measuring cus rs, and maximi ne.	tomer satisfaction izing the benefit	on, developing p is of customer fe	edback. A semester
Proposed:	the importa	ance of those ne	eds, customer	attitudes are co	iques for obtaining vered extensiveling ge for the market	ng customer needs, y. Students learn :place.
5. If course re	equires field	l trip check box:				
6. Credit Hou	rs:	Present:	Lecture: 3.		Total: 3	
7. Prerequisit Present:		Proposed: or MKT 307 or	Lecture: Eng Mgt 251	Lab:	Total:	
Propose	d: MKT 31:	1 or EMGT 251				
8. Required fo	or Maiors: [☐ Elective fo	or Majors: 🛚			
9. Justificatio	on: This co	ourse will no long	ger be cross-lis ions side of the	topic while MK	50. BUS 350 will T 350 covers the	cover the measurement of
	-	ly offered as an o			, 301, 401): not appear belov	v.
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4)	5)	1	6)	· _		/- (
Recommende	ed by Depart	tment	when Fis	K		Date: <u>4/26/12</u>
Recommende	ed by Discipl	line Specific Curi	Chair signaturicula Committe (Chair signatu	ee <i>[]</i>	lekst t	Date: 4/27//2_
Approved by	Curricula Co	ommittee:				Date:
Approved by	Faculty Sen	nate:	(Chair signatı			Date:

From: 573 341 4362 Page: 6/13 Date: 8/17/2012 11:04:45 AM

Effective Yea Term: Summo		□ Spring ⊠		CC File #	# 8263-2012 - B	US-350-32
		Course C				
		k all changes.)	- 1-, 1		Prerequisit	aa M
New Course [-	se Deletion 🗌		lours 🗌	Co-listing 2	
Course Title 🛭		log Description 🗵		Number 🔲	· · · · -	
		1-9 Must Be Complet		oosea" items bid	ank ii no change	is being made./
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2. Discipline	and Course	: Number: Pres		-	oosed:	
3. Course Title						
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	(24 Spa	Fitie: Managing Process or Less. Only r <i>O Character Spaces</i> o	eeded for New	Courses or Ti	itle Changes.)	
Present:	Major emph obtaining co services to	asis is given to the	e concept of cu easuring custon and maximizing	ner satisfactio	n, developing p	of techniques for products and eedback. A semester
Proposed:	improveme		Function Deplo	yment method	tology. Technic	opment and/or ques for obtaining se of Quality project
5. If course re	equires field	trip check box: 🔲				
6. Credit Hou	rs:	Present: Proposed:	Lecture: 3 Lecture:	Lab: Lab:	Total: 3 Total:	
7. Prerequisit Present:		or MKT 307 or EM	lgt 251			
Propose	d: BUS 110	or EMGT 134 or E	MGT 314			
8. Required for 9. Justification	n: There is	Elective for N s no MKT 310 cour uisites for this cour	se. BUS 110,	EMGT 134, EM e will no longe	1GT 314 are mo er be co-listed v	ore appropriate with MKT 350.
	-	y offered as an exp ses, initialed by De				w.
4)	5)	.au	6) //	1		, .
Recommende	ed by Depart	ment <u><i>(Luv</i></u>	line hole	<u></u>	<i>n</i> n	Date: <u>4/26/12</u>
Recommende	ed by Discipli	ne Specific Curricu		Your Polaceh	sheet -	Date: 4/27/12—
Approved by	Curricula Co	mmittee:	(Chair signature) (Chair signature)	/	.	Date:
Approved by	Faculty Sena	ate:	(Chair signature)	•		Date:

From: 573 341 4362 Page: 7/13 Date: 8/17/2012 11:04:46 AM

Effective Yearm: Summ		II Spring 🛭		CC File #8	264-2012-BUS-450-32
			Change F		
Course Cha		This form is for crea ack all changes.)	ating or modifying	permanent c	ourses.
New Course [rse Deletion 🗆	Credit Hou	irs 🗆	Prerequisites 🗵
Course Title		alog Description 🛭	Course Nu	<u> </u>	Co-listing 🛛
		<u> </u>		· · · · · · · · · · · · · · · · · · ·	k if no change is being made.)
		ss & Information Te	·		
•		se Number: Pres		Propos	sed:
3. Course Titl		t: Advanced Custo		sfaction	
	Propos	ed: Advanced Mana	ging Product & Se	ervice Quality	
	(24 Spa	Title: Adv Mng Pro aces or Less. Only r OO Character Spaces	needed for New Co	ourses or Title	e Changes.)
Present:	obtaining of services to	customer needs, me	easuring customer	satisfaction,	ith coverage of techniques for developing products and fourties for customer feedback. Individual
Proposed:	improveme maximizin	ent using a QFD me	thodology. Techni ner input covered.	iques for obta	ervice development and/or iining customer needs & Quality project will be completed
5. If course re	equires field	d trip check box: 🗌			
6. Credit Hou	rs:	Present:	Lecture: 3	Lab:	Total: 3
7. Prerequisit Present:		Proposed: 1 or MKT 307 or EM	Lecture: lgt 251	Lab:	Total:
Propose	d: BUS 11	0 or EMGT 134 or E	MGT 314		
8. Required fo	or Majors: [☐ Elective for N	1ajors: ⊠		
9. Justificatio		10, EMGT 134, EMG ourse will no longer			erequisites for this course.
	-	ly offered as an exp ses, initialed by De			
4)	5)	פיע	6)		
Recommende	ed by Depart	tment <u><i>au</i>r</u>	Chair signature)	1 000	Date: 4/96/12
Recommende	ed by Discipi	line Specific Curricu	la Committee	<i>y teladok</i>	Date: 4/27//2_
Approved by	Curricula Co	ommittee:	(Chair signature)	<i>,</i>	 Date:
Approved by			(Chair signature) (Chair signature)		Date:

From: 573 341 4362 Page: 8/13 Date: 8/17/2012 11:04:46 AM

Effective Year: 2013 Term: Summer ☐ Fall ☐ Spring ⊠				CC File # 8265-2012-MKT-450-32			
			Change reating or modify	-			
<u>Course Cha</u>	inges (Ch	heck all changes.)					
New Course 🛚	☐ Co	urse Deletion 🗌	Credit I	lours 🗌	Prerequisit	es 🖾	
Course Title 🛚] Ca	italog Description		Number 🗌	Co-listing 🛭	₫	
<u>Course Info</u>	ormation	(1-9 Must Be Com	pleted. Leave "Pro	posed" items bl	ank if no change	is being made.)	
1. Departme	ent: BIT						
2. Discipline	and Cour	rse Number: Pi	resent : MKT 450	Proj	posed:		
3. Course Title	e: Prese	nt: Advanced Cu	stomer Focus and	Satisfaction			
	Propo	sed:					
Abbreviat 4. Catalog De	(24 S ₁	e Titie: paces or Less. Onl <i>300 Character Spac</i>	ly needed for New es or Less.)	Courses or T	itle Changes.)		
Present:	obtaining services t	phasis is given to customer needs, to satisfy custome project will be do	measuring custor rs, and maximizing	ner satisfactio	n, developing p	of techniques for products and sedback. A semeste	
Proposed:	the impor		eds, customer att	itudes are cov	ered extensive	ng customer needs ly. Students learn tplace. Individual	
5. If course re	equires fie	id trip check box:					
6. Credit Hou	rs:	Present:	Lecture: 3.0	Lab:	Total: 3		
		Proposed:	Lecture:	Lab:	Total:		
7. Prerequisit Present:		10 or MKT 307 or I	Eng Mgt 251				
Propose	d: MKT 3:	11 or EMGT 251					
8. Required fo	or Majors:	☐ Elective fo	or Majors: 🛛				
9. Justificatio	n: This o	course will no long agement & operati omer needs, wants	ions side of the to				
	-	sly offered as an e irses, initialed by	-		· -	٧.	
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Recommende	d by Depa	irtment <i>Cau</i>	(Chair signature)	n 11		Date: <u>4/27/)2</u>	
Recommende	d by Discip	pline Specific Curr	icula Committee	Dany Hilarla	het I)ate: <u>4/27//2—</u>	
Approved by	Curricula (Committee:	(Chair signature)	<i>-</i>		- Date:	
			(Chair signature)				
Approved by	racuity 5e	:nate:	(Chair signature)			Date:	

Jun 08 2012 4:26PM

05/29/12

From: 573 341 4362 Page: 9/13 Date: 8/17/2012 11:04:46 AM **MST** G312

Effective Yea Effective Term	: Samme, de					-5p+M-275-32
	Th	is form is for cri	Change	Form (Cing permanent	courses.	
Course Char	nges (Check	ail changes.)				M
New Course		e Deletion 🗔		tours 🗆 _	Prerequisit	
		og Description 🛭	Course	Number 🗆	Co-listing [
Course Info	rmation (1	-9 Must Be Comp	leted, Leave "Pro	posed" items bla	uk it do cuange	is being made.)
1. Departme	nt: ALP			E Bron	osed:	
2. Discipilne	and Course	Number: Pro	sent : SP&M 27	-ientlan	4564 .	
3. Course Title	e: Present:	Foundations (of Video Commu	ulcation		
	·		of Media Commu			
	ed Course T (24 Spac scription <i>(40</i>	itl e: les or Less. Only <i>Words or Less)</i>	/ needed for Nev	Courses or Tit	tie Changes.)	
Present:	See catalog					
Proposed:	practice of a course supp consumption	icademic and no lies an Integrati n of media.	ed critical frame	psychological i pries of effectiv work for applica	mpact of medi re media comm ation in studen	a through study and nunication. The ts' day-to-day
5. If course r	equires field	trip check box:	i	Lab:	Total: 3	
6. Credit Hou	rs:	Present:	Lecture: 3 Lecture:	Lab:	Totali	
7. Prerequisi Present	tes: : \$P&M 18	Proposed: 1 or consent of		-		
•	d: None					
8. Required t	for Majors: 🗆	Elective fo	or Majors:			
9. Justificati	on: Curricu	ium and scope	of course has be / Is the justificati	en altered and on.	an update is f	air and necessary
10 Semesto	ers previousiv	offered as an (experimental cou	ır se (101, 201,	301, 401):	•
11. List all C	o-listed cours	es, initialed by	Dept. Chair, if si	gnature does n	ot appear beld	>W∙
1)		2)		3)		
4)		5)/	7	6)		
-		\\/\/	1/1Ann 20-	2		Date:
	ed by Depart	V	(Chair signature	1/1/200		Date: 5/30/10-
Recommend	led by Discipl	ine Specific Cur	ricula Committee (Chair signatur	e)		
Approved by	y Curricula Co	mmittee:	(Chair signatur	<u> </u>		Date:
. ,			•	~ /		Date:
Approved by	y Faculty Sen	ate:	(Chair signatur	e)		(Revised 1/31/08)

From: 573 341 4362 Page: 10/13 Date: 8/17/2012 11:04:47 AM

Effective Ye Term: Summ		II □ Spring 🗵	1	CC File	# 8270-2012 -	ME-463-10
		This form is for a	Change	Form (CC) t courses.	
Course Cha	inges (Che	eck all changes.)				
New Course		ırse Deletion 🗌	Credit H	lours 🗌	Prerequisites 🗌	
Course Title [alog Description		Number 🔲	Co-listing 🗌	
Course Info	<u>ormation</u>	(1-9 Must Be Con	npleted. Leave "Prop	osed" items bl	ank if no change is beir	ng made.)
1. Departme	≥nt: Mechar	nical and Aersop	ace Eng.			
2. Discipline	and Cours	e Number: P	resent : Mc Eng 40	1 Prop	osed: Mc Eng 463	
3. Course Title	e: Present	t: Advanced Di	gital Design and M	anufacturing		
			gita! Design and M	anufacturing		•
Abbreviat	ed Course					
	scription (3)	00 Character Spac	•			
Present:	These topic immersive	es include freefo.	rm modeling, reve nd manufacturing.	rse engineerir	igital design and mai ng, NC path generation learn theoretical and	on, and
Proposed:	for materia	il removal and a	ddition, and virtua	i reality based	, numerical control p I digital design and n se topics from lectur	nanufacturing.
5. If course re	quires field	l trip check box:				
6. Credit Hour	's:	Present:	Lecture: 3	Lab: 0	Total: 3	
		Proposed:	Lecture: 3	Lab: 0	Total: 3	
7. Prerequisite Present:		308 or Mc Eng 3	63			
Proposed	l: Mc Eng :	308 or Mc Eng 3	63 or similar cours	e		
8. Required fo	r Maiors: 🗆]	or Majors: 🖂			
9. Justification	n: This co two se	ourse has been p mesters, with 10	reviously offerred	ing in the spri	401 experimental co ing 2011 semester ar	ourse for nd 8
10. Semester	s previously	y offered as an e	xperimental cours	e (101, 201. :	301, 401) : 2	
	-		Dept. Çhair, if sign		• •	
1)	2)		3)/			
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4)	5)	/ 10	/ 5 }			/
Recommended	d by Depart	ment/ <u>U</u>			Date:	1/12/2012
Recommende	d by Discipli	ine Specifi¢ Curr	(Chair signature) icula Committee _		Date:	7/12/2012
Approved by (,	(Chair signature)			
• •			(Chair signature)	1110		
Approved by F	-aculty Sena	ate:	(Chair signature)		Date:	111-11-11

Date: 8/17/2012 11:04:47 AM From: 573 341 4362 Page: 11/13

Effective Year: 2013

CC File # 8273-2012-A6-414-11 Fall 🗌 Term: Summer 🔲 Spring 🗵 Course Change Form (CC) This form is for creating or modifying permanent courses. **Course Changes** (Check all changes,) New Course 🖾 Course Deletion [Credit Hours Prerequisites 🔲 Course Title 🔲 Catalog Description Course Number 🔲 Co-listing 🔲 Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.) 1. Department: MAE 2. Discipline and Course Number: Present: Proposed: Ae Eng 414 3. Course Title: Present: Proposed: Advanced Astrodynamics Abbreviated Course Title: Adv Astrodynamics (24 Spaces or Less. Only needed for New Courses or Title Changes.) 4. Catalog Description (300 Character Spaces or Less.) Present: Proposed: Analysis of spacecraft motion using different dynamic models and perturbations. Using the state transition matrix and differential corrections technique for trajectory computation. Introduction to the three-body problem. Use of computational and numerical methods to solve astrodynamic problems. 5. If course requires field trip check box: 6. Credit Hours: Present: Lab: Lecture: Total: Proposed: Lecture: 3 Lab: 0 Total: 3 7. Prerequisites: Present: Proposed: Ae Eng 314 8. Required for Majors: 🔲 Elective for Majors: Course has been offered twice and is to be added as a regular permanent offering. 9. Justification: 10. Semesters previously offered as an experimental course (101, 201, 301, 401): Sum '06, Spring '11 11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below. 1) 2) 4) 5) Date: 8/1/2012 Recommended by Department (Chair signature) Recommended by Discipline Specifi¢ Curricula Committee Date: (Chair signature) Approved by Curricula Committee: Date: (Chair signature) Approved by Faculty Senate: _ Date:

(Chair signature)

From: 573 341 4362 Page: 12/13 Date: 8/17/2012 11:04:47 AM

Effective Year: 2013
Effective Term: Summer

Fall ☐ Spring 🛛

EC File # 2427-5p 2013-ME-301

Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved SP2009 or later allow the course to be offered twice at any time during the following three year period. After an experimental course has been offered twice, a CC form may be submitted to request a permanent course number.

A new course that is required as part of a degree program, minor, or graduate certificate may be submitted on a CC form to receive a permanent course number

Co-listed offerings should be submitted on one form, originating from the primary discipline.

Depai	rtmei	ıt:	MAE
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Discipline and Course Number: Mc Eng 301

Course Title: Viscoelastic Materials: Modeling and Applications

Abbreviated Title (24 spaces or less): Viscoelasticity

Instructor(s): Gearoid MacSithigh

Credit Hours: Lecture: 3 Lab: 0 Total: 3

Prerequisites: CE 110, Math 204

Semester(s) previously taught: None

Brief Course Description: (40 words or less)

Viscoelastic phenomena. Stress relaxation. Creep. Viscoelastic materials. Polymers. Soft tissues. Constitutive models. Elements of stress and strain analysis. Nonlinear effects. Applications.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.

1)

2)

3)

4)

6)

Department Chair: (Chair Signature)

Discipline Specific Curricula Committee: _______ Date: ______ Date: ______

Curricula Committee: ______ Date: ______ (Chair Signature)

07/17/12 (Revised 10/12/2010)

Date: 8/17/2012 11:04:48 AM From: 573 341 4362 Page: 13/13 cc file # 8232-2012-TCom -311-Effective Year: 2012 Spring 🔲 Torm: Summer 🗔 Fail 🖾 Course Change Form (CC) This form is for creating or modifying permanent courses. Course Changes (Check all changes.) New Course 🖾 Course Deletion Credit Hours 🗌 Prerequisites 🗌 Catalog Description 🔲 Course Number 🖾 Co-listing 🗵 Course Title 🗌 Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.) Department: English and Tech Com Proposed: z. Discipline and Course Number: Present: 3. Course Title: Present: Proposed: International Dimensions of Technical Communication Abbreviated Course Title: (24 Spaces or Less, Only needed for New Courses or Title Changes.) 4. Catalog Description (300 Character Spaces or Less.) Present: Proposed: TCH COM 311 Examines complexity of communication of technical information worldwide. Includes topics such as graphics, Icons, symbols; user interface design; intercultural communication. Prerequisite: TCH COM 65 or ENGL 65, or equivalent. 5. If course requires field trip check box: 🔲 Lab: Total: 6. Credit Hours: Present: Lecture: Total: Lab: Proposed: Lecture: 3 7. Prerequisites: Present: Proposed: Tch Com 65 or Engl 65, or equivalent. Elective for Majors: 8. Regulred for Majors: 🔲 International Technical Communication is currently being taught as TCH COM 411. 9. Justification: TCH COM 311 would be taught concurrently, but would accommodate undergraduate enrollment, especially BS Tech Com majors. Graduate students in 411 Would do additional work and be held to higher standards for assessment. See CC 7701 2009 for an example of this type of concurrent offering. 10. Samesters previously offered as an experimental course (101, 201, 301, 401): 11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below. 4) Recommended by Department (Chair signature) 11600U_ Recommended by Discipline Specific Curricula/Committee (Chair signature) Date: _ Approved by Curricula Committee: __ (Chair signature) Date: Approved by Faculty Senate: (Chair signature)

(Revised 1/29/09)