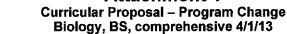


Department Biology	· · · · · · · · · · · · · · · · · · ·	Date_	4-1-2013	
Title of Program Affected Biology (co	mprehensive) Back	nelor of Science		
Major_X Comprehensive Major Option			Academic Rules	Other
Present Catalog Description (Cut and paste from web catalog or use most recent of	lescription.)	Revised Catalog Descripti (Cut and paste description ag bold new information.)	on ain, strikethrough all delet	ions, and insert and
See attachment 1	and the second second second	See attachment	1	:
				•
Three new biology courses (BIO 505, 509, and need to be added to the appropriate sub-requiredesigned CSC 130 and 131, and CSC 130 is Evolution option within this degree. The langu	rements within the th now more appropric age describing the C	ree options. The Departn ite for students completins	nent of Computer Scient the Environmental F	nrec has
See Attachment 2				
OEPARTMENT: Route according to ART VI, SE orms to <u>one</u> of the following (please check a f the program needs to go through more that ouncil/ committee marked. _XCollege Council	ll that apply and ser	id to first council/commi	ttee marked).	
XCollege Council	(Send all undergradu forwarding either to	rate program changes throup PEC, CGEIP, or directly to Fa	gh College Council as fir culty Senate)	st step before
Professional Education Committee Specialist degrees)	(Considers all progra	m changes affecting BS and	MS in Education and Ed	ucațional
Committee on General Education and Intercollegiate Programs	(Considers all genera	l education and multi-colleg	e program changes)	
Graduate Council	(Considers all gradua	te-level program changes)		
ignature aMathio		Date 4-	4-13	

(Routing on Reverse Side)

FS Program Change - 9/10/2010

Attachment 1



Present Catalog Description

(Cut and paste from web catalog or use most recent description.)

- A. General Education Requirements see General Education Program and Requirements section of catalog
- B. Major Requirements (37-46 hours)
 - 1. BIO 121(4), 122(4), 235(4), 494(1), 550(3)
 - 2. PHY 123(4) and 124(4) or PHY 203(5) and 204(5)
 - 3. MTH 138(5) or 181(3), or eligibility for MTH 261 on mathematics placement test
 - BIO 310(5) or 320(4) or 361(4) or 544(4); consult options below before selecting course
 - 5. CHM 105(5) or 160(4) and 161(1); consult options below before selecting course
 - 6. CHM 200(5) or 302(5) or 342(5); consult options below before selecting course
 - Complete requirements in one of the following options*:
 Note: With approval of advisor, up to 3 hours of the following can be substituted for one of the BIO courses listed in any option: BIO 300, 399, 499, or 597.
 - a. Environmental Biology and Evolution (33-38 hours)
 - 1. Required courses: BIO 369(4), 515(3)
 - Complete courses in biodiversity and evolution totaling at least 3 hours from the following: BIO 334(3), 339(2), 370(4), 371(3), 380(5), 530(3), 571(4), 573(3), 574(2), 575(3), 576(3), 577(3); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 534(2), 535(1), 555(3), 556(3), 587(3), 588(3)
 - Complete courses in population biology totaling at least 3 hours from the following: BIO 436(4), 532(3), 540(4), 560(3), 563(3), 567(4), 578(4), 584(3), 589(3); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 557(2), 558(2)
 - Complete courses in community/ecosystem biology totaling at least 3 hours from the following: BIO 373(3), 485(1-3), 508(3), 533(3), 539(2), 562(4), 579(4); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 537(2), 538(2), 565(3), 566(2)
 - 5. Students must take at least one biology course with a substantial field component. A course used to satisfy this requirement also may be counted toward the biodiversity, population biology, and community/ecosystem biology concentration areas described above. Complete one of the following: BIO 334(3), 339(2), 370(4), 436(4), 527(1-4), 562(3), 574(2), 575(3), 576(3), 577(3), any biology course taught at the Gulf Coast Research Laboratory, any biology course taught at the Bull Shoals Field station or another field station (with the approval of your advisor)

Revised Catalog Description

(Cut and paste description again, strikethrough all deletions, and insert and bold new information.)

- A. General Education Requirements see General Education Program and Requirements section of catalog
- B. Major Requirements (37-46 hours)
 - 1. BIO 121(4), 122(4), 235(4), 494(1), 550(3)
 - 2. PHY 123(4) and 124(4) or PHY 203(5) and 204(5)
 - 3. MTH 138(5) or 181(3), or eligibility for MTH 261 on mathematics placement test
 - 4. BIO 310(5) or 320(4) or 361(4) or 544(4); consult options below before selecting course
 - 5. CHM 105(5), or CHM 160(4) and 161(1); consult options below before selecting course
 - 6. CHM 200(5) or 302(5) or 342(5); consult options below before selecting course
 - 7. Complete requirements in one of the following options*: Note: With approval of advisor, up to 3 hours of the following can be substituted for one of the BIO courses listed in any option: BIO 300, 399, 499, or 597.
 - a. Environmental Biology and Evolution (33-38 hours)
 - 1. Required courses: BIO 369(4), 515(3)
 - Complete courses in biodiversity and evolution totaling at least 3 hours from the following: BIO 334(3), 339(2), 370(4), 371(3), 380(5), 530(3), 571(4), 573(3), 574(2), 575(3), 576(3), 577(3); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 534(2), 535(1), 555(3), 556(3), 587(3), 588(3)
 - Complete courses in population biology totaling at least 3 hours from the following: BIO 436(4), 532(3), 540(4), 560(3), 563(3), 567(4), 578(4), 584(3), 589(3); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 557(2), 558(2)
 - 4. Complete courses in community/ecosystem biology totaling at least 3 hours from the following: BIO 373(3), 485(1-3), 508(3), 509(4), 533(3), 539(2), 547(3), 562(4), 579(4); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 537(2), 538(2), 565(3), 566(2)
 - 5. Students must take at least one biology course with a substantial field component. A course used to satisfy this requirement also may be counted toward the biodiversity, population biology, and community/ecosystem biology concentration areas described above. Complete one of the following: BIO 334(3), 339(2), 370(4), 436(4), 509(4), 527(1-4), 562(3), 574(2), 575(3), 576(3), 577(3), any biology course taught at the Gulf Coast Research Laboratory, any biology course taught at the Bull Shoals Field station or another field station (with the



- 6. Complete 0-7 hours of elective BIO courses at the level of 300 or above to total a minimum of 43 hours in biology
- Complete at least one of the following related requirements in Mathematics, Statistics, or Computer programming: MTH 261(5) or 287(3) or 546(3) or 547(3) or CSC 125(4) or CSC 131(4) or PSY 527(3)
- 8. Related requirements in Chemistry: CHM 160(4), 161(1), 170(3), 171(1)
- Complete one of the following related science courses: AGN 215(3), ANT 375(3); CHM 260(3) or 460(3); GLG 171(3), GRY 351(3)
- 10. Complete one of the following related social science courses: ECO 540(3), LAW 537(3), PHI 302(3), PLS 555(3), PSY 379(3)
- b. Microbiology and Biotechnology (33-42 hours)
 - 1. Required courses: BIO 310(5), 320(4)
 - Complete 21 additional hours in BIO courses with a minimum of 18 hours from the following: BIO 355(4), 508(3), 511(4), 512(3), 515(3), 517(4), 518(2), 520(3), 530(3), 540(4); BMS 524(3) may be substituted for one of these courses; CHM 302(5) or 502(4) or 505(4) may be substituted for one of these courses
 - Related requirements in Chemistry: CHM 160(4), 161(1), 170(3), 171(1); CHM 200(5), or CHM 342(5) and 343(5), or CHM 342(5) and 344(3); CHM 352(3), or CHM 452(3) and 552(3)
- c. Wildlife Biology (30-47 hours)
 - 1. Required courses: BIO 320(4) or 361(4), 369(4)
 - Complete two courses in plant biology from: BIO 334(3), 339(2), 530(3), 544(4)
 - 3. Complete three courses in animal biology from: BIO 370(4), 371(3), 380(5), 571(4), 573(3), 574(2), 575(3), 576(3), 577(3)
 - Complete a minimum of 5 hours in management from: BIO 373(3), 485(1-3), 532(3), 562(4), 589(3)
 - Complete two courses in ecology and evolution from: BIO 436(4), 515(3), 539(2), 563(3), 567(4), 578(4), 579(4), 584(3)
 - Complete one course in human dimensions from the following: AGN 335(3), CRM 210(3), ECO 540(3), GRY 108(3), GRY 351(2), PHI 302(3), PLS 555(3), LAW 537(3)
 - Complete one course in earth/environmental science: AGN 215(3), CHM 260(3), GLG 110(4), GRY 142(4)
- C. General Baccalaureate Degree Requirements see
 General Baccalaureate Degree Requirements section of catalog

- approval of your advisor)
- Complete 0-7 hours of elective BIO courses at the level of 300 or above to total a minimum of 43 hours in biology
- Complete at least one of the following related requirements in Mathematics, Statistics, or Computer programming: MTH 261(5) or 287(3) or 546(3) or 547(3) or CSC 125(4) or CSC 130(3) 131(4) or PSY 527(3)
- 8. Related requirements in Chemistry: CHM 160(4), 161(1), 170(3), 171(1)
- Complete one of the following related science courses: AGN 215(3), ANT 375(3); CHM 260(3) or 460(3); GLG 171(3), GRY 351(3)
- 10. Complete one of the following related social science courses: ECO 540(3), LAW 537(3), PHI 302(3), PLS 555(3), PSY 379(3)
- b. Microbiology and Biotechnology (33-42 hours)
 - 1. Required courses: BIO 310(5), 320(4)
 - Complete 21 additional hours in BIO courses with a minimum of 18 hours from the following: BIO 355(4), 508(3), 511(4), 512(3), 515(3), 517(4), 518(2), 520(3), 530(3), 540(4); BMS 524(3) may be substituted for one of these courses; CHM 302(5) or 502(4) or 505(4) may be substituted for one of these courses
 - 3. Related requirements in Chemistry: CHM 160(4), 161(1), 170(3), 171(1); CHM 200(5), or CHM 342(5) and 343(5), or CHM 342(5) and 344(3); CHM 352(3), or CHM 452(3) and 552(3)
- c. Wildlife Biology (30-47 hours)
 - 1. Required courses: BIO 320(4) or 361(4), 369(4)
 - 2. Complete two courses in plant biology from: BIO 334(3), 339(2), 530(3), 544(4)
 - 3. Complete three courses in animal biology from: BIO 370(4), 371(3), 380(5), 571(4), 573(3), 574(2), 575(3), 576(3), 577(3)
 - Complete a minimum of 5 hours in management from: BIO 373(3), 485(1-3), 509(4), 532(3), 562(4), 589(3)
 - Complete two courses in ecology and evolution from: BIO 436(4), 515(3), 539(2), 563(3), 567(4), 578(4), 579(4), 584(3)
 - Complete one course in human dimensions from the following: AGN 335(3), BIO 547(3), CRM 210(3), ECO 540(3), GRY 108(3), GRY 351(2), PHI 302(3), PLS 555(3), LAW 537(3)
 - Complete one course in earth/environmental science: AGN 215(3), CHM 260(3), GLG 110(4), GRY 142(4)
- C. General Baccalaureate Degree Requirements see General Baccalaureate Degree Requirements section of catalog



Attachment 2

Curricular Proposal – Program Change Biology, BS, comprehensive 4/1/13



COMPLETE CATALOG INFORMATION (typed):

Biology (Comprehensive)

Bachelor of Science

- A. General Education Requirements see General Education Program and Requirements section of catalog
- B. Major Requirements (37-46 hours)
 - 1. BIO 121(4), 122(4), 235(4), 494(1), 550(3)
 - 2. PHY 123(4) and 124(4) or PHY 203(5) and 204(5)
 - 3. MTH 138(5) or 181(3), or eligibility for MTH 261 on mathematics placement test
 - 4. BIO 310(5) or 320(4) or 361(4) or 544(4); consult options below before selecting course
 - 5. CHM 105(5), or CHM 160(4) and 161(1); consult options below before selecting course
 - 6. CHM 200(5) or 302(5) or 342(5); consult options below before selecting course
 - 7. Complete requirements in one of the following options*: Note: With approval of advisor, up to 3 hours of the following can be substituted for one of the BIO courses listed in any option: BIO 300, 399, 499, or 597.
 - a. Environmental Biology and Evolution (33-38 hours)
 - 1. Required courses: BIO 369(4), 515(3)
 - 2. Complete courses in biodiversity and evolution totaling at least 3 hours from the following: BIO 334(3), 339(2), 370(4), 371(3), 380(5), 530(3), 571(4), 573(3), 574(2), 575(3), 576(3), 577(3); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 534(2), 535(1), 555(3), 556(3), 587(3), 588(3)
 - 3. Complete courses in population biology totaling at least 3 hours from the following: BIO 436(4), 532(3), 540(4), 560(3), 563(3), 567(4), 578(4), 584(3), 589(3); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 557(2), 558(2)
 - 4. Complete courses in community/ecosystem biology totaling at least 3 hours from the following: BIO 373(3), 485(1-3), 508(3), 509(4), 533(3), 539(2), 547(3), 562(4), 579(4); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 537(2), 538(2), 565(3), 566(2)
 - 5. Students must take at least one biology course with a substantial field component. A course used to satisfy this requirement also may be counted toward the biodiversity, population biology, and community/ecosystem biology concentration areas described above. Complete one of the following: BIO 334(3), 339(2), 370(4), 436(4), 509(4), 527(1-4), 562(3), 574(2), 575(3), 576(3), 577(3), any biology course taught at the Gulf Coast Research Laboratory, any biology course taught at the Bull Shoals Field station or another field station (with the approval of your advisor)
 - 6. Complete 0-7 hours of elective BIO courses at the level of 300 or above to total a minimum of 43 hours in biology
 - 7. Complete at least one of the following related requirements in Mathematics, Statistics, or Computer programming: MTH 261(5) or 287(3) or 546(3) or 547(3) or CSC 125(4) or CSC 130(3) or PSY 527(3)
 - 8. Related requirements in Chemistry: CHM 160(4), 161(1), 170(3), 171(1)
 - Complete one of the following related science courses: AGN 215(3), ANT 375(3); CHM 260(3) or 460(3); GLG 171(3), GRY 351(3)
 - 10. Complete one of the following related social science courses: ECO 540(3), LAW 537(3), PHI 302(3), PLS 555(3), PSY 379(3)
 - b. Microbiology and Biotechnology (33-42 hours)
 - 1. Required courses: BIO 310(5), 320(4)
 - 2. Complete 21 additional hours in BIO courses with a minimum of 18 hours from the following: BIO 355(4), 508(3), 511(4), 512(3), 515(3), 517(4), 518(2), 520(3), 530(3), 540(4); BMS 524(3) may be substituted for one of these courses; CHM 302(5) or 502(4) or 505(4) may be substituted for one of these courses
 - 3. Related requirements in Chemistry: CHM 160(4), 161(1), 170(3), 171(1); CHM 200(5), or CHM 342(5) and 343(5), or CHM 342(5) and 344(3); CHM 352(3), or CHM 452(3) and 552(3)
 - c. Wildlife Biology (30-47 hours)
 - 1. Required courses: BIO 320(4) or 361(4), 369(4)
 - 2. Complete two courses in plant biology from: BIO 334(3), 339(2), 530(3), 544(4)
 - 3. Complete three courses in animal biology from: BIO 370(4), 371(3), 380(5), 571(4), 573(3), 574(2), 575(3), 576(3), 577(3)
 - 4. Complete a minimum of 5 hours in management from: BIO 373(3), 485(1-3), 509(4), 532(3), 562(4), 589(3)
 - 5. Complete two courses in ecology and evolution from: BIO 436(4), 515(3), 539(2), 563(3), 567(4), 578(4), 579(4), 584(3)
 - Complete one course in human dimensions from the following: AGN 335(3), BIO 547(3), CRM 210(3), ECO 540(3), GRY 108(3), GRY 351(2), PHI 302(3), PLS 555(3), LAW 537(3)
 - 7. Complete one course in earth/environmental science: AGN 215(3), CHM 260(3), GLG 110(4), GRY 142(4)
- C. General Baccalaureate Degree Requirements see General Baccalaureate Degree Requirements section of catalog



Department Biology		Date 4-1-2013		
Check one: This is a change to X		i.e. perm	anent) SECTION	of a variable content course
Present Catalog Description (Cut and paste from web catalog or use mos	t recent description.)	(Cut and pa	Catalog Description again, information.)	tion strikethrough all deletions, and insert and
BIO 515 Evolution		BIO 515	Evolution	·
Prerequisite: BIO 235 and MTH 135 or higher. A survey of modern evolutionary biology, including the evidence that supports the theory of evolution, the natural processes that cause evolution, patterns and mechanisms of speciation, and methods for estimating evolutionary relationships. May be taught concurrently with BIO 616. Cannot receive credit for both BIO 616 and BIO 515. 3(3-0) F,S		Prerequisite: BIO 235 or BMS 231 or BMS 230, and MTH 135 o higher. A survey of modern evolutionary biology, including the evidence that supports the theory of evolution, the natural processes that cause evolution, patterns and mechanisms of speciation, and methods for estimating evolutionary relationships. May be taught concurrently with BIO 616. Cannot receive credit for both BIO 616 and BIO 515. 3(3-0) F,S		
What is changing? Check all boxes that a	pply.			46 pt
☐Course Deletion ☐Course Code ☐Credit Hours/Contact Hours ☐	e □Course Nu □Periodicity		□Title □Description	Prerequisite
Reason for Proposed Change or Deletion				
BMS 231 and 230 are suitable alternative prer	equisites for this course and	l are being a	added.	
How Did You Determine the Need For Th	is Change or Deletion?			· ·
l am frequently asked to provide prerequisite	overrides by CMB majors wh	ho have con	npleted BMS 231 or I	BMS 230.
COMPLETE NEW CATALOG INFORMATIO	N (typed)			
BIÖ 515 Evolution				
Prerequisite: BIO 235 or BMS 231 or BMS evidence that supports the theory of evolumethods for estimating evolutionary relation BIO 515. 3(3-0) F,S	tion, the natural processes	s that caus	e evolution, patterr	ns and mechanisms of speciation, an
X Check if this is a non-substantive change Faculty Senate; 600- through 900-level courses: thre approval.	e. Distribution for non-substanti de originally-signed copies to Gr	ive changes o aduate Coun	of 100- through 500-leve cil. Graduate Council w	el courses: two originally-signed copies to ill give two copies to Faculty Senate after
Substantive Change: Department routes according (please check all that apply and send to first council form for each additional council/committee marked	/committee marked). If proposa	al needs to go	through more than or	e council/committee, forward one additiona
College Council	approval, College Counci committee/council or dir	I will forwa rectly to the	rd appropriate numb Faculty Senate if no	go through College Council first. After er of copies to the next further committee approval is needed. inally signed copies to the Faculty
Professional Education Committee		e course ch	anges for Profession	al Education courses and Teaching
Committee on General Education and Intercollegiate Programs	(Considers all substantive proposals.)	e course ch	anges for General Ed	ucation and Intercollegiate Program
Graduate Council	(Considers all 600-900 le	vel course o	changes.)	
Signature Office Department Head	<u> </u>		Date 4	-10 - 13

(R)	١
2	/

Curric	ular Proposal Co	urse Change or Deleti	on
DepartmentBiology		Date	
Check one: This is a change toX_an e	existing COURSE		
	an existing REGULAR (i.e	. permanent) SECTION of a var	iable content course
Present Catalog Description		Revised Catalog Description	on
(Cut and paste from web catalog or use most	t recent description.)		ikethrough all deletions, and insert and
BIO 540 Applications of Molecular Markers		bold new information.)	
Prerequisite: BIO 235 and permission, Introd	uction to the use of	BIO 540 Applications of Molecu	
molecular markers in biological research. Top			er in BIO 235 BIO 235 and permission. Jular markers in biological research.
methods for identifying genetic variation at t	the molecular level		for identifying genetic variation at the
(protein electrophoresis, automatic DNA seq	uencing, RAPDs, RFLPs,		phoresis, automatic DNA sequencing,
AFLPs, microsatellites) and their applications	to research in	RAPDs, RFLPs, AFLPs, microsatell	lites) and their applications to gene
systematics, ecology, evolution, conservation	n biology, forensics, and		genetics, forensics, conservation
gene mapping. Students will complete resear		biology, and research in ecology	
more of the techniques learned. Supplement taught concurrently with BIO 640. Cannot rec			conservation biology, forensics, and
640 and BIO 540. 4(2-4) FO	eive credit for both bto		nplete research projects using one or Supplemental course fee. May be
	•		O. Cannot receive credit for both BIO
		640 and BIO 540. 4(2-4) FO	or commerciality digulation both Bio
What is changing? Check all boxes that ar	oply.		
□Course Deletion □Course Code	□Course Number □Title	e X Prerequisite	
□Credit Hours/Contact Hours	□Periodicity	X Description	Ÿ.
Reason for Proposed Change or Deletion		•	
 At present students are granted permission 	i to take this course primari	ly based on their grade in the prer	equisite course BIO 235. The proposed
change will clarify for students the criteria	on which permission is gran	ted and will simplify the registration	on process by eliminating the need to
seek an instructor override. From experier	ice we know that most stud	lents who earn a grade of C or a lo	wer in BIO 235 (Principles of Genetics)
will struggle with the more conceptual and	mathematical material in B	IO 540. By selecting students who	already have a good grasp of genetic
concepts, we are able to teach a more enga The list of specific types of markers and assi	iging course and reduce the	number of students who will perf	orm poorly in BIO 540.
 The list of specific types of markers and assigned are in constant flux as the technology impro 	ay techniques has been eiin	ninated from the description becau	use the techniques that are available
 For clarification, the ambiguous term "syste 		with "phylogopotics"	·
The list of applications has been re-ordered	to reflect the amount of til	me devoted to each with those rea	ceiving mare extensive soverage listed
first. This provides the student with a more	accurate overview of the c	course content.	serving more extensive coverage listed
How Did You Determine the Need For Thi			
COMPLETE NEW CATALOG INFORMATION (typ	ped)	•	
BIO 540 Applications of Molecular Markers			
Prerequisite: Grade of B or higher in BIO 235. In	itroduction to the use of mo	olecular markers in biological resea	arch. Topics covered include methods
for identifying genetic variation at the molecula	r level and their application	ns to gene discovery, gene mapping	g, phylogenetics, forensics,
conservation biology, and research in ecology a	nd evolution. Students will	complete research projects using	one or more of the techniques
earned. Supplemental course fee. May be taug		· ·	
X Check if this is a non-substantive change.	. Distribution for non-substant	ive changes of 100- through 500-level o	ourses: two originally-signed copies to
faculty Senate; 600- through 900-level courses: three	originally-signed copies to Gra	duate Council. Graduate Council will g	ive two copies to Faculty Senate after
approval. Substantive Change: Department routes according to	ABTM SEC 20/1.4) of bylanic	of the Esculty Forward three originals	u signed forms to one of the following
please check all that apply and send to first council/c	ommittee marked). If proposa	I needs to go through more than one c	ouncil/committee, forward one additional
orm for each additional council/committee marked.	See Senate Action 11-93/94 fo	r definitions of substantive/non-substa	ntive changes.
College Council	(All substantive course ch	anges numbered 100-599 must go	through College Council first. After
Tal > 13		will forward appropriate number of	
10 Moles			rther committee approval is needed.
		ee/council will forward two origina	lly signed copies to the Faculty
Professional Education Committee	Senate.)	course changes for Brofessional E	ducation courses and Teaching
Stabbond Ladoution Committee	Methods courses.)	course changes for Professional E	adeation courses and reacting
Committee on General Education	·	course changes for General Educa	ition and Intercollegiate Program
and Intercollegiate Programs	proposals.)		
Graduate Council	(Considers all 600-900 lev	el course changes.)	
Dall all h.			
ignature UNI WHU		Date	4-13
Department Head			



Department Biology	Date <u>4-1-2013</u>
Check one: This is a change to X an existing COURSE an existing REGULAR	(i.e. permanent) SECTION of a variable content course
Present Catalog Description (Cut and paste from web catalog or use most recent description.)	Revised Catalog Description (Cut and paste description again, strikethrough all deletions, and insert and bold new information.)
BIO 551 Advanced Statistical Methods for Biologists Prerequisite: BIO 550. The design and analysis of biological experiments, with an emphasis on the choice and interpretation of inferential statistics. Topics covered include causal inference, statistical power, general linear models, repeated measures designs, log-linear models, nonparametric procedures, and computer-intensive techniques. The use of computer software to analyze real data sets from the biological literature is emphasized. May be taught concurrently with BIO 651. Cannot receive credit for both BIO 651 and BIO 551. 2(1-2) S	BIO 551 Advanced Statistical Methods Experimental Design for Biologists Prerequisite: BIO 550. The design and analysis of biological experiments, with an emphasis on the choice and interpretation of inferential statistics. Topics covered include causal inference, statistical power, general linear models, and repeated measures designs, log-linear models, nonparametric procedures, and emputer intensive techniques. The use of computer software to analyze real data sets from the biological literature is emphasized. May be taught concurrently with BIO 651. Cannot receive credit for both BIO 651 and BIO 551. 2(1-2) S
What is changing? Check all boxes that apply. □Course Deletion □Course Code □Course Nu □Credit Hours/Contact Hours □Periodicity	ar rerequisite

sea change or Deletion

The modified course description more accurately reflects the content of this course as it has been taught in recent years and will continue to be taught in the future. Some topics listed in the current course description are no longer covered, allowing the primary topics to be covered in greater depth. The change in course title reflects the fact that courses and textbooks covering these topics traditionally are called "Experimental Design".

How Did You Determine the Need For This Change or Deletion?

Clarification of the course content was required.

COMPLETE NEW CATALOG INFORMATION (typed)

BIO 551 Experimental Design for Biologists

Prerequisite: BIO 550. The design and analysis of biological experiments, with an emphasis on the choice and interpretation of inferential statistics. Topics covered include causal inference, statistical power, general linear models, and repeated measures designs. The use of computer software to analyze real data sets from the biological literature is emphasized. May be taught concurrently with BIO 651. Cannot receive credit for both BIO 651 and BIO 551, 2(1-2) S

X Check if this is a non-substantive change. Distribution for non-substantive changes of 100- through 500-level courses: two originally-signed copies to Faculty Senate; 600- through 900-level courses: three originally-signed copies to Graduate Council. Graduate Council will give two copies to Faculty Senate after

Substantive Change: Department routes according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty. Forward three originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If proposal needs to go through more than one council/committee, forward one additional form for each additional council/committee marked. See Senate Action 11-93/94 for definitions of substantive/non-substantive changes.

College Council

(All substantive course changes numbered 100-599 must go through College Council first. After approval, College Council will forward appropriate number of copies to the next committee/council or directly to the Faculty Senate if no further committee approval is needed. The last level of committee/council will forward two originally signed copies to the Faculty Senate.)

Professional Education Committee	(Considers all substantive course changes for Professional Ec Methods courses.)	ducation courses and Teaching		
Committee on General Education and Intercollegiate Programs	(Considers all substantive course changes for General Education and Intercollegiate Program proposals.)			
Graduate Council SignatureDepartment Head	(Considers all 600-900 level course changes.) After Date 4-	4-13		
	(Routing on Reverse Side)	FS Course Change - 9/10/2010		
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DepartmentBiology	cular Proposal Co 	urse Chan Date	ge or Deletion April 2, 2013		
Check one: This is a change toX_an exist	ting COURSE		73011 2, 2013		
	an existing REGULAR (i.e. pe	ermanent) SECTI	ON of a variable conter	nt course	
Present Catalog Description	<u>. </u>				
(Cut and paste from web catalog or use mos	st recent description.)		og Description e description again, strik	cethrough all deletions	s, and inse
BIO 640 App of Molecular Markers			Applications of Molecula	ar Markers	
Prerequisite: permission. Recommended Pro	erequisite: genetics course.	Prerequisite: p	permission. Recommend	ded Prerequisite: gene	etics course
Introduction to the use of molecular marker	s in biological research.	Introduction to	o the use of molecular r	markers in biological re	esearch.
Topics covered include methods for identify molecular level (protein electrophoresis, aut	Ing genetic variation at the	Topics covered	d include methods for ic	dentifying genetic varia	ation at the
RAPDs, RFLPs, AFLPs, microsatellites) and th	eir applications to	MOIECUIAT IEVE	el (protein electrophore	sis, automatic DNA se	quencing,
research in systematics, ecology, evolution,	conservation biology	discovery, gen	AFLPs, microsatellites) and mapping, phylogenet	and their applications	to gene
forensics, and gene mapping. Students will c	Omplete research projects	biology, and re	esearch in ecology and	evolution research in	vation
using one or more of the techniques learned	l. Supplemental course	systematics, ed	cology, evolution, conse	rvation biology, foren	sics and
fee. May be taught concurrently with BIO 54 for both BIO 540 and BIO 640. 4(2-4) FO	O. Cannot receive credit	gene mapping.	. Students will complete	e research projects usia	ng one or
2 1 1 2 1 2 1 2 1 2 1 2 1 2 2 2 3 3 3 3		more of the te	chniques learned. Suppl	lemental course fee. N	vlay be
		540 and BIO 64	ently with BIO 540. Can 40. 4(2-4) FO	not receive credit for	both BIO
What is changing? Check all boxes that apply.					
□Course Deletion □Course Code	□Course Number X Title	• V	Prerequisite	•	
□Credit Hours/Contact Hours	□Periodicity	X Descriptio			•
Reason for Proposed Change or Deletion		•			
 The new title is actually the original title the of transcription, with "Applications" being 	at was approved for this cou	irse. When this	course was entered into	the catalog there wa	s an error
	SIMILEHEMAN ANN				
There is no reason to require graduate study of the laboratory dictated that the class be	canned at a small number	ore enrolling in t	this course. When this o	course was first create	ed the cost
of the laboratory dictated that the class be The list of specific types of markers and ass are in constant flux as the technology important.	av techniques has been elim	out the lab has si	nce been restructured t	to eliminate this probl	em.
A companie may as the reciliology littor	oves			e techniques that are	available
 For clarification, the ambiguous term "system" 	ematics" has been replaced a	with "phylogene	tics".		
tile list of applications has been re-ordered	I to reflect the amount of tin	ne devoted to es	ich, with those receiving	g more extensive cove	rage listed
The brothers are student with a tilole	s accurate overview of the co	Sursa contant			0
low Did You Determine the Need For This Cha COMPLETE NEW CATALOG INFORMATION (typ	ange or Deletion: Explained	above.			
BIO 640 Applications of Molecular Markers					
Recommended Prerequisite: genetics course. In	ntroduction to the use of mo	olecular markers	in biological research.	Tonics covered include	e methods
- Charles And Persons Annation at the Highering	ii level and their application	S TO GRIDE MISCOU	arv gana manning ahul	laganatica facción	
upplemental course fee. May be taught concu	nd evolution. Students will d rrently with BIO 540. Cannot	complete researd t receive credit f	ch projects using one or or both BiO 540 and BiO	more of the techniqu 0 640, 4(2-4) FO	
X Check if this is a non-substantive change.	. Distribution for non-substantiv	e changes of 100-	through 500-level courses	: two originally-signed co	opies to
pproval.	originally-signed copies to Grad	auate Council. Gra	duate Council will give two	copies to Faculty Senate	e after
ubstantive Change: Department routes according to please check all that apply and send to first council/corm for each additional council/committee marked.	VIITITILLEE INATKETTI IE DYNNOSSI.	DARAC TA GA THYALK	ik moro than ana a-wa-il/-		owing additional
State of the state			the state of the s		
College Council	(All substantive course cha	inges numbered	100-599 must go throu	gh College Council firs	st. After
	approval, College Council v	vili forward appı	ropriate number of copi	ies to the next	
	committee/council or direct The last level of committee	ctly to the Facult	y Senate if no further co	ommittee approval is	needed.
	Senate.)	eycounch will for	ward two originally sign	ied copies to the Facu	ilty
Professional Education Committee	(Considers all substantive of	ourse changes f	or Professional Education	on courses and Teachi	ing
Committee	Methods courses.)				
Committee on General Education	(Considers all substantive of	ourse changes f	or General Education ar	nd Intercollegiate Prog	gram
(_Graduate Council TO 6 MM 4/12	proposals.)				-
-Graduate Council	(Considers all 600-900 leve	I course changes	s.)		
gnature WM al	his	Date	4-4-13	3	
Department Head		vale		<u></u>	



Department Biology Check one: This is a change to X an existing COURSE an existing REGULAR	Date 4-1-2013 It (i.e. permanent) SECTION of a variable content course
Present Catalog Description (Cut and paste from web catalog or use most recent description.)	Revised Catalog Description (Cut and paste description again, strikethrough all deletions, and insert and bold new information.)
BIO 651 Advanced Statistical Methods for Biologists' Recommended Prerequisite: statistics course. The design and analysis of biological experiments, with an emphasis on the choice and interpretation of inferential statistics. Topics covered include causal inference, statistical power, general linear models, repeated measures designs, log-linear models, nonparametric procedures, and computer-intensive techniques. The use of computer software to analyze real data sets from the biological literature is emphasized. May be taught concurrently with BIO 551. Cannot receive credit for both BIO 551 and BIO 651. 2(1-2) S.	BIO 651 Advanced Statistical Methods Experimental Design for Biologists Recommended Prerequisite: statistics course. The design and analysis of biological experiments, with an emphasis on the choice and interpretation of inferential statistics. Topics covered include causal inference, statistical power, general linear models, and repeated measures designs, log-linear models, nonparametric procedures, and computer intensive techniques. The use of computer software to analyze real data sets from the biological literature is emphasized. May be taught concurrently with BIO 551. Cannot receive credit for both BIO 551 and BIO 651. 2(1-2) S
What is changing? Check all boxes that apply. □Course Deletion □Course Code □Course Nu □Credit Hours/Contact Hours □Periodicit	ar reregatore

Reason for Proposed Change or Deletion

The modified course description more accurately reflects the content of this course as it has been taught in recent years and will continue to be taught in the future. Some topics listed in the current course description are no longer covered, allowing the primary topics to be covered in greater depth. The change in course title reflects the fact that courses and textbooks covering these topics traditionally are called "Experimental Design".

How Did You Determine the Need For This Change or Deletion?

Clarification of the course content is required.

COMPLETE NEW CATALOG INFORMATION (typed)

BIO 651 Experimental Design for Biologists

Recommended Prerequisite: statistics course. The design and analysis of biological experiments, with an emphasis on the choice and interpretation of inferential statistics. Topics covered include causal inference, statistical power, general linear models, and repeated measures designs. The use of computer software to analyze real data sets from the biological literature is emphasized. May be taught concurrently with BIO 551. Cannot receive credit for both BIO 551 and BIO 651. 2(1-2) S

X Check if this is a non-substantive change. Distribution for non-substantive changes of 100- through 500-level courses: two originally-signed copies to Faculty Senate; 600- through 900-level courses: three originally-signed copies to Graduate Council. Graduate Council will give two copies to Faculty Senate after approval.

Substantive Change: Department routes according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty. Forward three originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If proposal needs to go through more than one council/committee, forward one additional form for each additional council/committee marked. See Senate Action 11-93/94 for definitions of substantive/non-substantive changes.

	llege		

(All substantive course changes numbered 100-599 must go through College Council first. After approval, College Council will forward appropriate number of copies to the next committee/council or directly to the Faculty Senate if no further committee approval is needed.

Professional Education Committee Committee on General Education and Intercollegiate Programs	The last level of committee/council will forward two originally signed copies to the Faculty Senate.) (Considers all substantive course changes for Professional Education courses and Teaching Methods courses.) (Considers all substantive course changes for General Education and Intercollegiate Program proposals.)
X_Graduate Council Waf Signature Department Head	(Considers all 600-900 level course changes.) Night Date 4-4-13
- sperament flows	(Routing on Reverse Side) FS Course Change - 9/10/201

Department Computer Science	Date 4/2/2013
Title of Program Affected Computer Science	e (Non-Comprehensive) Bachelor of Science
Major_X Comprehensive Major Option	Minor Certificate Certification Academic Rules Other
Present Catalog Description	Revised Catalog Description
(Cut and paste from web catalog or use most recent d	description.) (Cut and paste description again, strikethrough all deletions, and insert and bold new information.)
A A Company of the Co	Sold lies illustrations
Attached	Attached
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What is changing? Check all boxes that appl	
Title change X Course changes of under 18 hours	From option to program (major) Other
Course changes of under 18 hours Course changes of 18 hours or more	From program (major) to option Program or option deletion
REASON FOR PROPOSED CHANGE	ndards body have essentially eliminated material of PHY 220 within a CS
curriculum.	idards body have essentially eliminated material of FFFF 220 within a CS
(2) Professional practice and expectation nov	w includes material of CSC 365.
(3) Note is no longer true.	
These changes maintain number of expected	number of hours in all categories.
	T
COMPLETE NEW CATALOG INFORMATION (1	rypea)
Attached	
병원 경기 전 경기 전에 기반되는 것이다. 1일 전 기반	
	Total House 74 majora house in decree
	Total Hours <u>74 majors hours in degree</u>
Table 1 and 1 and 2 and 2 and 3 and	SEC 3B(1-4) of Bylaws of the Faculty Senate. Forward three typed, originally
	e check all that apply and send to first council/committee marked). Ian one committee/council, forward one additional form for each additional
council/ committee marked.	
-m FS	
X College Council	(Send all undergraduate program changes through College Council as first step
"Molice	before forwarding either to PEC, CGEIP, or directly to Faculty Senate)
Professional Education Committee	(Considers all program changes affecting BS and MS in Education and Educational
	Specialist degrees)
Committee on General Education and	(Considers all general education and multi-college program changes)
Intercollegiate Programs	(Considers an general education and mater conege program enanges)
	(Considers all graduate-level program changes)
Graduate Council	(Considers all graduate-level program changes)
# 1/11	
Signature Kimulli Mymm	Date 4/3/13
Department Head	Date 1/ V/

(Routing on Reverse Side)

F\$ Program Change - 9/10/2010

Computer Science (Non-Comprehensive)

Bachelor of Science

- A General Education Requirements see General Education Program and Requirements section of catalog
- B. Major Requirements
 - 1. CSC 130(3), 131(4), 232(4), 320(4), 325(3), 333(4), 335(3), 450(3), 460(3), 482(1)
 - 2. Select nine additional hours from *eligible* CSC courses numbered 300 or above with at least six hours from courses other than CSC 399 and CSC 596.
 - 3. Related science and mathematics requirements: MTH 215(3), 261(5)*, 280(5)*, MTH 345(3) or 540(3); PHY 203(5)*, 204(5), 220(4); and one of the following courses: BIO 121(4)*, BMS 110(4)*, CHM 160(4)*, GLG 110(4)*, GRY 135(4)*, GRY 142(4)*

*May also count toward General Education Requirements

- C. Minor Required (Note: The major requirements for Computer Science automatically satisfy the requirements for a minor in Mathematics, and all but two hours of the requirements for a minor in Physics.)
- D. General Baccalaureate Degree Requirements see General Baccalaureate Degree Requirements section of catalog.

Revised Catalog Description

Computer Science (Non-Comprehensive)

Bachelor of Science

- A. General Education Requirements see General Education Program and Requirements section of catalog
- B. Major Requirements
 - T. CSC 130(3), 131(4), 232(4), 320(4), 325(3), 333(4), 335(3), **365(3)**, 450(3), 460(3), 482(1)
 - 2. Select nine additional hours from *eligible* CSC courses numbered 300 or above with at least six hours from courses other than CSC 399 and CSC 596.
 - 3. Related science and mathematics requirements: MTH 215(3), 261(5)*, 280(5)*, MTH 345(3) or 540(3); PHY 203(5)*, 204(5), 220(4); and one of the following courses: BIO 121(4)*, BMS 110(4)*, CHM 160(4)*, GLG 110(4)*, GRY 135(4)*, GRY 142(4)*
 - *May also count toward General Education Requirements
- C. Minor Required (Note: The major requirements for Computer Science automatically satisfy the requirements for a minor in Mathematics., and all but two hours of the requirements for a minor in Physics.)
- D. General Baccalaureate Degree Requirements see General Baccalaureate Degree Requirements section of catalog.

COMPLETE NEW CATALOG INFORMATION

Computer Science (Non-Comprehensive)

Bachelor of Science

- A. General Education Requirements see General Education Program and Requirements section of catalog
- B. Major Requirements
 - 1. CSC 130(3), 131(4), 232(4), 320(4), 325(3), 333(4), 335(3), 365(3), 450(3), 460(3), 482(1)
 - 2. Select nine additional hours from *eligible* CSC courses numbered 300 or above with at least six hours from courses other than CSC 399 and CSC 596.
 - 3. Related science and mathematics requirements: MTH 215(3), 261(5)*, 280(5)*, MTH 345(3) or 540(3); PHY 203(5)*, 204(5); and one of the following courses: BIO 121(4)*, BMS 110(4)*, CHM 160(4)*, GLG 110(4)*, GRY 135(4)*, GRY 142(4)*
 - *May also count toward General Education Requirements
- C. Minor Required (Note: The major requirements for Computer Science automatically satisfy the requirements for a minor in Mathematics.
- D. General Baccalaureate Degree Requirements see General Baccalaureate Degree Requirements section of catalog.



Department Computer Science		Date	4/2/2013
Check one: This is a change to X	an evisting COLIRSE		
		i.e. permanent) SECTION	of a variable content course
Present Catalog Description		Revised Catalog Descrip	tion
(Cut and paste from web catalog or use mo	st recent description.)		strikethrough all deletions, and insert and
CSC 320 Computer Architecture		CSC 320 Computer Archit	ecture
Prerequisite: PHY 220 and CSC 131. In architecture and internal operation of coassembly language. A study of the majorganization, and sequential operation of during program execution. Several comstudied. 4(4-0) F,S	emputers, including or components, functional of digital computers	architecture and internal op assembly language. A stud organization, and sequentia	CSC 131. Introduction to the eration of computers, including y of the major components, functional all operation of digital computers Several computer architectures will be
What is changing? Check all boxes that	apply.		
□Course Deletion □Course Cod		mber	x Prerequisite
□Credit Hours/Contact Hours	□Periodicity		4. 7
How Did You Determine the Need For T Regular review of CS curriculum. COMPLETE NEW CATALOG INFORMATION CSC 320 Computer Architecture Prerequisite: CSC 131. Introduction to the the major components, functional organiz computer architectures will be studied. 4(4) Check if this is a non-substantive change faculty Senate; 600- through 900-level courses: thrapproval.	his Change or Deletion? ON (typed) e architecture and internal of ation, and sequential operated. 4-0) F,S e. Distribution for non-substantive originally-signed copies to Grant	operation of computers, includation of digital computers duri we changes of 100- through 500-leve aduate Council. Graduate Council wi	ling assembly language. A study of ng program execution. Several el courses: two originally-signed copies to ill give two copies to Faculty Senate after
Substantive Change: Department routes according (please check all that apply and send to first council form for each additional council/committee market	i/committee marked). If proposa	I needs to go through more than on	e council/committee, forward one additional
x_College Council	approval, College Council committee/council or dir	l will forward appropriate numb ectly to the Faculty Senate if no	go through College Council first. After er of copies to the next further committee approval is needed. inally signed copies to the Faculty
Professional Education Committee	,	course changes for Professiona	l Education courses and Teaching
Committee on General Education and Intercollegiate Programs	· · · · · · · · · · · · · · · · · · ·	course changes for General Edi	ucation and Intercollegiate Program
Graduate Council	(Considers all 600-900 lev	vel course changes.)	
Signature Kinneth Valla	UN	Date	/3//3
Department Head			

(Routing on Reverse Side)

FS Course Change - 9/10/2010



Department Computer Science		Da	te <u>4/2/2013</u>	
Check one: This is a change to X a		i.e. permanent) SECTIO	ON of a variable content course	
Present Catalog Description (Cut and paste from web catalog or use most recent description.)		Revised Catalog Description (Cut and paste description again, strikethrough all deletions, and insert and bold new information.)		
CSC 450 Introduction to Software Engineering		CSC 450 Introduction to Software Engineering		
Prerequisite: CSC 325 and CSC 335. Principles, techniques and tools used to effect the orderly production of medium and large scale computer programs will be studied. These techniques will be applied to programming projects with students working in teams and managing all phases of a programming project. 3(3-0) F		Prerequisite: CSC 325, and CSC 335, and CSC 365. Principles, techniques and tools used to effect the orderly production of medium and large scale computer programs will be studied. These techniques will be applied to programming projects with students working in teams and managing all phases of a programming project. 3(3-0) F.		
What is changing? Check all boxes that ap □Course Deletion □Course Code □Credit Hours/Contact Hours	pply. □Course Nu ¡XPevio'di'dit')	_	⋈ Prerequisite on	
Reason for Proposed Change or Deletion Expand the range of projects available to CSC 4	50 by requiring student far	niliarity with internet progra	mming.	
How Did You Determine the Need For This Regular review of CS curriculum	s Change or Deletion?			
COMPLETE NEW CATALOG INFORMATION	l (typed)			
CSC 450 Introduction to Software Engine	eering			
Prerequisite: CSC 325, CSC 335 and CSC large scale computer programs will be studiteams and managing all phases of a progra	ed. These techniques wi	II be applied to programm		
Check if this is a non-substantive change. Faculty Senate; 600-through 900-level courses: three approval.				
Substantive Change: Department routes according to (please check all that apply and send to first council/c form for each additional council/committee marked.	ommittee marked). If proposa	al needs to go through more tha	n one council/committee, forward one addition	
(All substantive course changes numbered 100-599 must go through College Council first. After approval, College Council will forward appropriate number of copies to the next committee/council or directly to the Faculty Senate if no further committee approval is needed. The last level of committee/council will forward two originally signed copies to the Faculty Senate.)				
Professional Education Committee	•	e course changes for Profess	ional Education courses and Teaching	
Committee on General Education (Considers all substantive course changes for General Education and Intercollegiate Programs proposals.)				
Graduate Council	(Considers all 600-900 le	vel course changes.)		
Signature Kumula Wulm	ar	Date	4/3/13	
Department Head			/	



Department Hospitality and Restaurant Administration

Date <u>03/29/13</u>

6	an existing REGULAR	(i.e. permanent) SECTION	of a variable content course	
Present Catalog Description (Cut and paste from web catalog or use most recent description.)		Revised Catalog Description (Cut and paste description again, strikethrough all deletions, and insert and		
HRA 480 Global Strategic Management in the Hospitality Industry		bold new information.) HRA 480 Global Strategic Management in the Hospitality Industry		
Prerequisite: senior standing; and HRA 410 or concurrent enrollment. This is an integrative course that focuses on managing the various components of the hospitality industry at both the business and the corporate level. Students use case studies as well as current events in the industry to understand the nature of strategic issues and their management in the hospitality industry. 3(3-0) F,S		Prerequisite: senior standing; <u>HRA 310</u> ; and HRA 410 or concurrent enrollment. This is an integrative course that focuses on managing the various components of the hospitality industry at both the business and the corporate level. Students use case studies as well as current events in the industry to understand the nature of strategic issues and their management in the hospitality industry. 3(3-0) F,S		
What is changing? Check all boxes that ap	ply.			
□Course Deletion □Course Code	□Course Nu	ımber □Title	XX Prerequisite	
☐Credit Hours/Contact Hours	□Periodicity	y □Description	· · · · · · · · · · · · · · · · · · ·	
Reason for Proposed Change or Deletion				
The proposed change closes a loop hole that all capstone course designed to tie the quantitativ HRA 310 prior to enrolling in HRA 480.				
How Did You Determine the Need For This The HRA faculty determined the need for this d COMPLETE NEW CATALOG INFORMATION	uring a recent department	tal meeting to review prerequisi	tes.	
HRA 480 Global Strategic Management i	n the Hospitality Indus	try		
Prerequisite: senior standing; HRA 310; and the various components of the hospitality in current events in the industry to understand	dustry at both the busine	ess and the corporate level. S	itudents use case studies as well as	
XX Check if this is a non-substantive change. Di Senate; 600-through 900-level courses: three origina				
Substantive Change: Department routes according to (please check all that apply and send to first council/c form for each additional council/committee marked.	committee marked). If propos	al needs to go through more than o	ne council/committee, forward one additional	
College Council	(All substantive course changes numbered 100-599 must go through College Council first. After approval, College Council will forward appropriate number of copies to the next committee/council or directly to the Faculty Senate if no further committee approval is needed. The last level of committee/council will forward two originally signed copies to the Faculty			
Professional Education Committee	Senate.) (Considers all substantive course changes for Professional Education courses and Teaching Methods courses.)			
Committee on General Education and Intercollegiate Programs	and the second s	e course changes for General Ec	lucation and Intercollegiate Program	
Graduate Council	(Considers all 600-900 le	evel course changes.)		
escalation of the second of th				