

8001 Natural Bridge Road St. Louis, Missouri 63121-4499 Telephone: (314) 516-6769

MEMORANDUM

TO: The Senate

FROM: Dr. Stephen Lehmkuhle, Senate Chairperson

DATE: March 30, 1995

The 1994-95 Senate is scheduled to meet at 3:15 p.m. on Tuesday, April 4, in 222 J. C. Penney. The agenda follows:

- I. Approve minutes from previous meeting (action item)
- II. Report from the Chairperson -- Dr. Stephen Lehmkuhle
- III. Report from the Chancellor -- Chancellor Blanche Touhill
 - IV. Report from the Faculty Council -- Dr. Herman Smith
 - V. Report from the Student Government Association -- Mr. Christopher Jones
- VI. Committee reports:
 - A. Curriculum and Instruction (action items, see attached)
 -- Dr. Lawrence Friedman
 - B. Budget and Planning -- Chancellor Blanche Touhill
 - C. International Relations -- Dr. Charles Korr
 - D. Student Affairs -- Dr. Bruce Wilking

VII. Other business

<u>REMINDER</u>: The new (1995-96) Senate will hold its first organizational meeting on Tuesday, April 4, at 2:30 p.m. in 222 J. C. Penney. Please note that this meeting must be convened on time.

Report from the Senate Committee on Curriculum and Instruction March $24,\,1995$

I. The Committee has approved the course actions noted below:

Biology 405	change description	"Topics in Ecology, 1 hour Evolution, and Systematics"
Biology 406	change description	"Topics in Molecular, 1 hour Cellular, and Developmental Biology"
Biology 459	add	"Advanced 3 hours Evolutionary Ecology of Animals"
Biology 491	add	"Graduate Research 1-2 hours Practicum"
Political Science 433	add	"Elections, Public 3 hours Opinion, and Public Policy"
Political Science 447	add	"Seminar in Public 3 hours Policy"
Secondary Education 367	add	"Methods of Teaching 3 hours Desktop Publishing Concepts and Procedures"
Nursing 200	change hours, prerequisite, description	"Dimensions of 6 hours Professional Nursing"
Nursing 216	drop	"Teaching and 3 hours Interpersonal Systems in the Practice of Nursing"
Nursing 236	change prerequisite, description	"Family and 6 hours Community Nursing"

- II. The Committee has approved minor "housekeeping" changes to degree requirements for the B.S.W.
- III. The Committee recommends Senate approval for the attached change in degree requirements for the B.S. in Physics.
- IV. The Committee recommends Senate approval for the attached new certificate program, the Graduate Certificate in Tropical Biology and Conservation.

SENAIE PROPOSAL FORM FOR (check one Page 1 of 2 Physics and Astronomy Department	() CHANGE IN MINOR () CHANGE IN CERTIFICATE PROGRAM (See Instructions on Reverse) Signed: Department Chair Date	C.(Do Not Write in This Space) initials/date ROUTING: Academic Affairs Graduate School (if applicable) Senate C&I Senate Academic Affairs // 3-24-95
Arts and Sciences School or College	Signed: Martin Augy / GC 2-28-95 Dean Date	
Are other departments likely to be	Title of Degree/Minor/Certificate Program Accuracy () no (x) yeslist depa	
Current <u>Bulletin</u> listing: 	Proposed <u>Bulletin</u> listing:	Rationale:
This option is designed for students who are interested in careers in the geosciences. It provides preparation for careers in industry or for graduate study. At least 46 hours, but no more than 51, are required. In addition to the core curriculum, the following courses are required: Physics 311, Advanced Physics Laboratory I Physics 325, Linear Analysis of Physical Systems Physics 333, Reflection Seismology Geology 1, General Geology Geology 2, Historical Geology	Imission to medical schools. At least 41 hours of lphysics and biology combined, but no more than 51, are required. In addition to the physics core curliculum, the following physics and biology courses lare required: Physics 201, Elementary Electronics Biology 11, Introductory Biology I Biology 12, Introductory Biology II I and two additional electives from either Physics I or Biology at the 200 or 300 level. Also required are:	Students have expressed an interes
iGeology 201, Stratigraphy and	Continued on page 2	İ
Sedimentation		

SENATE PROPOSAL FORM FOR (check one) Page 2 of 2	: (X) CHANGE IN DEGREE () CHANGE IN MINOR () CHANGE IN CERTIFI (See Instruction	CATE PROGRAM	(Do Not Write in This Space) initials/date ROUTING:
Department Ants and Sciences School or College	igned: Department Chair igned: Dean	Date Date	Senate Academic Affairs/
Bachelor of Scie Are other departments likely to be a Page number(s) 123 and year 1994	Title of Degree/Mir		artments and secure sign-offs
Current <u>Bulletin</u> listing:	-	letin listing:	Rationale:
Algebra Mathematics 303, Applied Mathematics I Chemistry 12, Introductory Chemistry II, or equivalent	Chemistry 262, Organic Chemistry 263, Technique NOTE: With approval of and Astronomy, students preparations, who have Physics II and Physics may substitute these concourses Physics III and However, this is not the Physics III and II2 give paration for the require core courses. It would	al Organic Chemistry Reactions es of Organic Chemistry the Chairperson of Physic with strong mathematical already completed the 12 sequence in basic physics urses for two required con Physics 112, respectively e recommended route because e significantly better pre	ccs rel r.l sel e-l
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SENATE PROJUGAL FORM FOR (check one): () NEW DEGREE PROGRAM. () NEW MINOR (XX) NEW CERTIFICATE PROGRAM (See Instructions on Reverse) Int'l Center for Tropical Ecology Signed: Victoria II 2/13/54 Department Department Chair Date College of Arts & Sciences Signed: Dean Date	(Do Not Write in Th. space) initials/date ROUTING: Academic Affairs Graduate School (if applicable) Senate C&I Senate Academic Affairs (effective date:)
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Graduate Certificate in Tropical Biology and Conservation	
Title of Degree/Minor/Certificate Program	
Are other departments likely to be affected by this proposal? () no (XX) yes-list of the biology with least of the conomics from the state of the conomics for proposed new degree/minor/certificate: See attached Appendix (Page 2)	epartments and secure sign of the History Social Work Social Work
Program description for Bulletin: The Certificate is awarded after completion of 18 crelectives with a minimum of 12 credits at the 400 level. Up to three credits may be taken of the ICTE Director. Electives must include a minimum of 3 credits outside of biology A maximum of 3 credits may be taken elsewhere than UM-St. Louis. Students may simultane count credits earned in their degree program toward the Certificate when appropriate. Required Core Courses: 1. Biology 445, Public Policy of Conservation and Sustainable Development 2. Choice of: Biology 446, Theory and Application of Conservation Biology Biology 487, Advanced Tropical Ecology and Conservation 3. Biology 447 (1-4), Internship in Conservation Biology (may be replaced with a biology applied conservation or equiropmental agency experience upon consent of Director. In	en at the 200 level upon permission with a maximum of 7 outside of biologously earn a graduate degree and gy elective for individuals with

SEN: 7/88

Graduate Certificate in Tropical Biology and Conservation

Rationale: The Department of Biology and the International Center for Tropical Ecology have developed and implemented a series of courses related to tropical biology and conservation. For graduate students working in this area, the Graduate Certificate in Tropical Biology and Conservation would offer additional evidence of their expertise in this area. For students who wish to become practitioners or to work in the conservation area, the Certificate would provide a useful credential. This certificate would be available for qualified individuals in departments throughout the University and outside the university who would want specialized training in this area. Because the Certificate is multidisciplinary, the International Center for Tropical Ecology will sponsor and administer this Certificate Program in close cooperation with the Department of Biology.

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Page3 of5			Graduate School (if applicable) Senate C&I Senate	/
Int'l Center for Tropical Ecology Signed:			Academic Affairs	
	artment Chair	Date	(effective date:)
College of Arts & Sciences Signed:			i	*
School or College Dea	٦	Date		
Rationale for proposed new degree/minor/certifi	cate:	And the second s		
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Program description for <u>Bulletin</u> :				
Electives:			.*	
Biology 342, Population Biology			<i>j</i> .	
Biology 354, Entomology				
Biology 362, Plant Taxonomy			•	
Biology 364, Ornithology			/	
Biology 368, Quantitative Methods in Plant Ecolog	y			
Biology 385, Wildlife Ecology and Conservation				
Biology 442, Population and Community Ecology				
Biology 450, Advanced Plant Environmental Physiol				
Biology 458, Advanced Evolutionary Ecology of Pla	nts			
Biology 465, Methods in Plant Systematics				
Biology 480, Advanced Behavioral Ecology	Ware 1 and 4 and			
Biology 481, Advanced Theoretical Systematics and Biology 487, Advanced Tropical Ecology and Conser				SEN: 7/88
Biology 489, Graduate Seminar, when relevant	vacion and endorsed by l	CTE		

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Page <u>4</u> of <u>5</u>	Graduate School (if applicable) / Senate C&I / Senate /
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Department Department Chair Date	*
Department Department Chair Date	(effective date:)
College of Arts & Sciences Signed:	
School or College Dean Date	
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Graduate Certificate in Tropical Biology and Conservat	ion
Title of Degree/Minor/Certificate Program	
Are other departments likely to be affected by this proposal? () no () yeslist d	epartments and secure sign-offs
Rationale for proposed new degree/minor/certificate:	
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Program description for Bulletin:	
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Chemistry 419, Advanced Reading in Chemistry	į.
History 300 Colosted Tendents H:	// '
History 300, Selected Topics in History, when appropriate	
History 371, History of Latin America: To 1808	/
History 372, History of Latin America: Since 1808	
History 381, West Africa Since 1800	
History 460, Readings in Latin American History, when relevant and endorsed by IC	CTE
History 470, Readings in African History, when relevant and endorsed by ICTE	
Political Science 248, Environmental Politics	
Political Science 253, Political Systems of South America	
Political Science 254, Political Systems of Mexico, Central America, and the Caribbean	
Political Science 285, International Organizations and Global Problem Solving	
Political Catagon 350 Chulden to Comment. Butter	CTT SEN: 7/88
Political Science 359, Studies in Comparative Politics, when relevant and endorsed by I	CTE SEN: 7/88

Rationale for proposed new degree/minor/certific	ate:			
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Are other departments likely to be affected by t	his proposal? ()	no () yeslist d	epartments and secure	sign-offs
Graduate Certificate in Title o	n Tropical Biology f Degree/Minor/Cer			
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College of Arts & Sciences Signed: School or College Dean		Date	I	
Int'l Center for Tropical Ecology Signed: Department Department	rtment Chair	Date	Senate C&I Senate Academic Affairs (effective date:	
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