



University Senate

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MEMORANDUM

TO: The Senate

FROM: Dr. Stephen Lehmkuhle, Senate Chairperson

DATE: February 10, 1995

The 1994-95 Senate is scheduled to meet at 3 p.m. on Tuesday, February 14, in 126 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
- IV. Report from the Faculty Council -- Dr. Herman Smith
- V. Report from the IFC -- Dr. Lois Pierce
- VI. Report from Student Government Association -
Christopher Jones
- VII. Committee reports:
 - A. Curriculum and Instruction (action item, see attached) -- Dr. Lawrence Friedman
 - B. Committee on Committees (Election for Senate Grievance Committee) -- Dr. Jean Bachman
 - C. Appointments, Tenure, and Promotion
- VII. Other business

**REPORT FROM SENATE COMMITTEE ON
CURRICULUM AND INSTRUCTION**

February 3, 1995

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

PPA 434	add	"Seminar in City Administration"	3 hours
CCJ 410	add	"Statistical Applications in Criminology and Criminal Justice"	3 hours
Economics 430	change description	"International Trade"	3 hours
Political Science 404	add	"Multi-Method Research Design"	3 hours
Political Science 482	add	"International Political Economy"	3 hours
Political Science 483	drop	"Defense and Security Policy Analysis"	3 hours
Anthropology 325	add	"Internship in Cultural Anthropology"	1-3 hours
Anthropology 326	add	"Internship in Archaeology"	1-6 hours
Anthropology 327	add	"Internship in Folklore"	1-3 hours
Anthropology 328	add	"Internship in Museum Studies"	1-3 hours
Anthropology 329	add	"Internship in Physical Anthropology"	1-3 hours
Art History 395	change prerequisite	"Senior Art History Seminar"	3 hours
Economics 360	add	"Natural Resource Economics"	3 hours
History 372	change description	"History of Latin America: Since 1808"	3 hours
Political Science 395	change description	"Senior Seminar in Political Science"	3 hours

(continued)

- II. The Committee wishes to inform the Senate that minor "housekeeping" changes have been made to the following:
 - A. M.S. in Biology
 - B. Ph.D. in Biology

- III. The Committee recommends Senate approval for a new certificate program, the Graduate Certificate in Biotechnology (see attached).

#

SENATE PROPOSAL FORM FOR (check one): () NEW DEGREE PROGRAM
() NEW MINOR
(x) NEW CERTIFICATE PROGRAM
(See Instructions on Reverse)

Page 1 of 2

Biology
Department

Signed: Robert Beatty 2-8-94
Department Chair Date

Arts & Sciences
School or College

Signed: Deborah A. Larson / JC 3-21-94
Dean Date

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs AK / 2-2-94
Graduate School JW / 2-3-95
(if applicable)
Senate C&I JMA / 2-3-95
Senate /
Academic Affairs /
(effective date:)

Graduate Certificate in Biotechnology
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? (xx) no () yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Many graduates, particularly those who currently work in biotechnology industries, can benefit from a concise set of courses that provide the fundamental principles and techniques of biotechnology. This graduate certificate program will allow these students to obtain advanced training in biotechnology and to further their education without necessarily obtaining a Master's degree

Program description for Bulletin: The Graduate Certificate in Biotechnology is offered for students with a Bachelor's degree who wish to obtain advanced level training in those fields of biology that pertain to biotechnology without necessarily earning a Master's degree. Students who enter this program may have a variety of interests including biochemistry, microbiology, molecular biology, cell biology, developmental biology, or molecular evolution.

Admission

Students who wish to earn a Graduate Certificate in Biotechnology must apply to the Biotechnology Certificate Program for admission to the program. Students must be enrolled in the graduate program at the University of Missouri-St. Louis either as non-degree students or as Master's students. Students who wish to obtain a Master's degree with a Biotechnology Certificate must be accepted into the Master's degree program in Biology as well as into the Biotechnology Certificate Program. Students who apply to the certificate program as non-degree students will earn only the certificate. Students must have at least a 3.0 GPA for undergraduate course work to be accepted into the program. The minimum course prerequisites for admission to the program are undergraduate courses in genetics, cell biology, and biochemistry.

SENATE PROPOSAL FORM FOR (check one): () NEW DEGREE PROGRAM
() NEW MINOR
(x) NEW CERTIFICATE PROGRAM
(See Instructions on Reverse)

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Biology Department Signed: _____ Date _____
Department Chair

Arts & Sciences School or College Signed: _____ Date _____
Dean

Graduate Certificate in Biotechnology

Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? () no () yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Requirements

Students must maintain a minimum GPA of 3.0 to remain in the certificate program and earn the certificate. The certificate is awarded after completion of the courses listed below. Students enrolled in the Master's program may simultaneously earn a graduate degree and count the appropriate courses from the list below toward the Biotechnology Certificate.

Courses for Graduate Certificate in Biotechnology

- Biology 317, Immunobiology
- Biology 376, Topics in Biological Chemistry
or Chemistry 372, Advanced Biochemistry
- Biology 426, Advanced Gene Expression in Eukaryotes
- Biology 428, Advanced Techniques in Molecular Biology
- Biology 434, Advanced Virology
- Biology 435, Advanced Molecular Cell Biology
- Biology 438, Advanced Gene Expression in Prokaryotes

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initials/date

ROUTING:
Academic Affairs _____ / _____
Graduate School _____ / _____
(if applicable)
Senate C&I _____ / _____
Senate _____ / _____
Academic Affairs _____ / _____
(effective date: _____)