

SUPPLEMENT REPORT: COMMITTEE ON CURRICULA AND COURSES

(For consideration by the Faculty Senate at its meeting on December 7, 1991)

The Committee requests that any department which has a proposal being recommended by the Committee on Curricula and Courses provide a spokesperson to attend the Faculty Senate meeting in which said proposal is to be recommended. Please contact Mary Caldwell (7-6272) in advance if errors are noted.

I. COLLEGE OF SCIENCE AND MATHEMATICS

A. Department of Marine Science - *Approved*New course

MSCI 578 PHYSIOLOGICAL AND POLLUTION ECOLOGY OF MARINE ORGANISMS. (3) (Prereq: MSCI 302 or equivalent) Functional adaptation of marine plants and animals to ecological stresses including pollution. Three lecture hours per week.

B. Department of Mathematics - *Approved as amended*Change in prerequisite

FROM: MATH 524 NONLINEAR OPTIMIZATION. (3) (Prereq: MATH 526 or consent of department)

TO: MATH 524 NONLINEAR OPTIMIZATION. (3) (Prereq: MATH 526 or 544 or consent of department)

Change in description

FROM: MATH 526 NUMERICAL LINEAR ALGEBRA. (4) (Prereq: MATH 241) Matrix algebra, Gauss elimination, iterative methods; overdetermined systems and least squares; eigenvalues, eigenvectors; numerical software. Computer implementation in FORTRAN. Three lectures and one laboratory hour per week. Credit may not be received for both MATH 526 and MATH 544.

TO: MATH 526 NUMERICAL LINEAR ALGEBRA. (4) (Prereq: MATH 241) Matrix algebra, Gauss elimination, iterative methods; overdetermined systems and least squares; eigenvalues, eigenvectors;

numerical software. Computer implementation.
Three lectures and one laboratory hour per week.
Credit may not be received for both MATH 526
and MATH 544.

II. EXPERIMENTAL COURSE - For the Senate's information only:

COLLEGE OF SCIENCE AND MATHEMATICS

Department of Biological Sciences

BIOL 654X SPECIATION (3) (Permission of instructor) Speciation as a source of biological diversity. Nature and definitions of species from historical and biological viewpoints. Influence of molecular biology on speciation. Two lecture hours; and one recitation/discussion weekly.