THE FACULTY SENATE

March 11, 1998

Dr. Ray M. Bowen
President
Texas A&M University

Dear President Bowen:

At its regular meeting held March 9, 1998 the Faculty Senate approved the following curriculum matters and recommends them for your approval.

New Undergraduate Courses: CPSC 436; Texas A&M University at Galveston: ECON 322, ENGR 111, ENGR 112, MARB 345, MARB 432, MARB 484, and NAUT 205.

Undergraduate Course Withdrawal: METR 445.

Undergraduate Course Change: MARB 350.

I enclose for your information a copy of the materials sent to Senators on the above items.

Thank you for considering these items. Please inform me of your action on these recommendations.

Sincerely,

Wayne E. Wylie
Speaker, 1997-98

Enclosure

pc: Dr. Ronald G. Douglas, Executive Vice President & Provost
    Dr. R. Bruce Simpson, Chair, Curriculum Committee
    Ms. Linda F. Lacey, Director of Academic Support Services

APPROVED

DATE

Ray M. Bowen
The University Curriculum Committee recommends approval of the following.

1. **New Courses**

   **CPSC 436. Computer-Human Interaction. (3-0). Credit 3.** Comprehensive study of the Computer-Human Interaction (CHI) area; includes history and importance of CHI; CHI design theories; modeling of computer users and interfaces; empirical techniques for task analysis and interface design; styles of interaction and future directions of CHI including hypermedia and computer-supported collaborative work. Prerequisites: CPSC 310, 320 and 321.

   **Texas A&M University at Galveston: New Courses**

   **ECON 322. Applied Microeconomic Theory. (3-0). Credit 3.** Use of microeconomic theory in the analysis of problems that would face decision makers, not only in business but also in government, non-profit firms and other institutions. Prerequisite: ECON 202.

   **ENGR 111. Foundations of Engineering I. (1-3). Credit 2.** Introduction to the engineering profession, ethics and disciplines; development of skills in teamwork, problem solving, logic processing, design and drawing; emphasis on computer applications and CAD tools. Co-requisite: MATH 151.

   **ENGR 112. Foundations of Engineering II. (1-3). Credit 2.** Development of skills in problems solving, design, analysis; estimation and teamwork; utilization of computer tools for documentation and presentation; introduction to logic processing and computer programming; introduction to accounting and conservation principles in engineering sciences. Prerequisite: ENGR 111.

   **MARB 345. Introduction to Scientific Diving. (3-3). Credit 4.** Prepare and qualify certified divers for entry into the TAMUG Scientific Diving program. Students must pass medical, swimming, skin diving and scuba diving tests. Lectures include diving equipment, physics, physiology, medicine, regulations, environment, emergency and decompression procedures. Prerequisites: BIOL 114; PHYS 201; or approval of instructor.

   **MARB 432. GIS Use in Coastal Resources. (2-3). Credit 3.** Basic concepts of design, planning and integration of Geographical Information Systems (GIS) in management of biological systems in coastal environments. Students are taught to input data into GIS; organize the data; and analyze, query and manage data sets. Prerequisite: Junior classification.

   **MARB 484. Internship. Credit 1 to 9.** Supervised study in a research or teaching laboratory within or outside of the Texas A&M University System. Student involvement is to consist of real-life learning or marine biological research, teaching, management or a combination of these. Prerequisite: Junior classification or approval of instructor.
NAUT 205. Introduction to Ships and Shipping. (3-2). Credit 4. Introduction to the maritime industry and ships used in transportation of goods and services. Shipboard nomenclature, types and missions of merchant ships, shipbuilding nomenclature and dimensions, shipbuilding materials and methods, modes of cargo handling and their impact on ship design.

2. Course to be Withdrawn


3. Change in Course


Lecture, lab, semester credit hours
from: (3-2). Credit 3.
to: (2-6). Credit 4.