THE FACULTY SENATE

June 13, 1996

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

Dear President Bowen:

At its regular meeting held June 10, 1996 the Faculty Senate approved the following curriculum matters and recommends them for your approval.

New Graduate Courses: ANSC 616, CPSC 668, CPSC 678, ENGL 627, GEOG 641, and PETE 617.

Graduate course Withdrawals and Changes: (Withdrawals) BANA 607, BANA 609, BANA 616, and BANA 618, (Changes) GEOP 622 and ELEN 652.

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

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

Sincerely,

Steven M. Oberhelman
Speaker, 1996-97

Enclosure

pc: Dr. Ronald G. Douglas, Executive Vice President & Provost
Dr. Dan H. Robertson, Chair, Graduate Council

APPROVED

DATE

FACULTY SENATE RECEIVED

TEXAS A&M UNIVERSITY
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TEXAS A&M UNIVERSITY
REVISED REPORT OF THE GRADUATE COUNCIL MEETING
9 May 1996

I. Approved requests for new graduate courses as follows:

**ANSC 616: Equine Exercise Science. (3-0). Credits 3.** Review and evaluation of current research in equine exercise science; physical, physiologic and metabolic adaptation to physical training in the horse; bioenergetics; nutritional requirements, problems in the hard-working horse; management and training approaches to delay fatigue in race/performance horses. Prerequisites: ANSC 420; BICH 411; Graduate Classification.

**CPSC 668: Distributed Algorithms and Systems. (3-0). Credits 3.** Introduction to fundamental algorithmic results in distributed computing systems; leader election, mutual exclusion, consensus, logical time and causality, distributed snapshots, algorithmic fault tolerance, shared memory, clock synchronization. Prerequisites: CPSC 629 or equivalent and approval of instructor.

**CPSC 678: Advanced Topics on Logic Synthesis, Design for Testability and BIST. (3-0). Credits 3.** Various techniques and approaches to Logic Synthesis; design for testability and built-in self test including scan techniques, concurrent check testable networks and function-independent testing. Prerequisites: Graduate Classification.

**ENGL 627: Teaching Creative Writing. (3-0). Credits 3.** Fundamentals of instruction in the creative writing classroom, text selection, developmental exercises, lecture, workshop techniques, and evaluation. Prerequisite: ENGL 622.

**GEOG 641: Historical Geography of the World-System. (3-0). Credits 3.** Theoretical and actual global development since 1431 A.D. World-system theory, Kondratieff Long-Wave theory, geographic and geostrategic reality, organic and mineral-based systems of production; changing technologies of agricultural and industrial production and of transportation and communication; rise and fall of nation states as hegemon powers. Prerequisite: Approval of instructor.

**PETE 617: Petroleum Reservoir Management. (3-0). Credits 3.** The principles of reservoir management and application to specific reservoirs based on case studies presented in the petroleum literature. Prerequisites: Approval of instructor and graduate classification.

II. Approved requests for graduate course changes as follows:

Courses to be withdrawn

- **BANA 607: Introduction to Business Computing**
- **BANA 609: Operations Management**
- **BANA 616: Business Programming using COBOL**
- **BANA 618: Assembly and COBOL Languages**
Course description changes

GEOP 622

from: Methods for analyzing and correcting static shifts on seismic traces; vibrioses methods of
prospecting; sampling theory; discrete Fourier transform; z-transform; resolution and
reverberation; deterministic and predictive deconvolution; application of linear arrays to
filtering and the design of source radiation patterns.

to: Methods and problems in deriving subsurface velocity information from reflection seismic
data; analysis and correction of static shifts on seismic traces; sampling theory; discrete
Fourier transform; resolution and reverberation; deterministic and predictive deconvolution;
geometrical and physical aspects of migration.

Course credit change

ELEN 652

from: 3-3. Credits 4.

to: 3-0. Credits 3.