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

Dear President Bowen:

At its regular meeting held June 12, 1995 the Faculty Senate approved the following curriculum matters and recommends them for your approval.

FS.13.001  **New Graduate Courses:** BIEN 611, EHRD 614, EHRD 640, EHRD 641, EHRD 671, and PETE 630.

FS.13.002  **Graduate Course Changes:** IDED 687 and IDED 688.

FS.13.003  **New Undergraduate Course:** AGRO 455, MARA 470, POSC 427, and VTTP 913.

FS.13.004  **Undergraduate Course Withdrawals:** HORT 320, NVSC 300, and VTTP 923.

FS.13.005  **Undergraduate Course Changes:** ANSC 414, HORT 207, HORT 451, MARE 406, and POSC 426.

FS.13.006  **Course additions to the Texas A&M University Core Curriculum -- Humanities Category:** ENGL 211, ENGL 330, and ENGL 339; Social Science Category: LING 402.

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,

Pierce E. Cantrell
Speaker, 1995-96

Enclosure

pc: Dr. J. Charles Lee, Interim Executive Vice President & Provost
Dr. Dan H. Robertson, Chair, Graduate Council
Dr. R. Bruce Simpson, Chair, University Curriculum Committee
Ms. Linda F. Lacey, Director of Academic Support Services

APPROVED

DATE

[Signature] 7-7-95
REPORT OF THE GRADUATE COUNCIL MEETING
May 11, 1995 Revised

I. Approved requests for new graduate courses as follows:

BIEN 611: Biomedical Imaging Systems. (3-0). 3 Credits. The physics behind the major medical imaging systems including CT, MRI, Ultrasound, and X-Ray will be introduced and described; a linear systems approach will be used along with basic diffraction theory. Prerequisites: BIEN 401, MATH 308.

EHRD 614: Strategic Planning for Human Resource Development. (3-0). 3 Credits. Strategic planning in HRD; elements for training, career and organizational development; mission, values and culture, vision, audit analysis and modeling. Prerequisite: Graduate Classification.

EHRD 640: Retirement Planning. (3-0). 3 Credits. Introduction to retirement planning and decision making process, comparison of current programs and workbooks, identification of gender and ethnicity issues in retirement planning, conduct exploratory research on retirement experience, address lifestyle, social network, housing, leisure and work, financial planning, and decision making. Prerequisite: Graduate Classification.

EHRD 641: Assessment and Evaluation of Family Literacy. (3-0). 3 Credits. Developmentally appropriate and authentic assessment techniques for data collection and evaluation of family literacy programs including both parents and children. Prerequisite: Graduate Classification.

EHRD 671: Organization of Distance Learning. (3-0). 3 Credits. Organization, management and administration of distance learning systems; student support services, faculty/staff development, inter-institutional collaboration, funding, integrated delivery systems, and policy. Prerequisite: Graduate Classification.

PETE 630: Geostatistics. (3-0). 3 Credits. Introductory and advanced concepts in geostatistics for petroleum reservoir characterization by integrating static (cores/logs/seismic traces) and dynamic (flow/transport) data; variograms and spatial correlations; regionalized variables; intrinsic random functions; kriging/cokriging; conditional simulation; non-Gaussian approaches. Prerequisite: Introductory course in statistics.

II. Approved requests for graduate course changes as follows:

Prefix Change:

IDED 687
From: IDED
To: EDAD

Prefix Change:

IDED 688
From: IDED
To: EDAD
The University Curriculum Committee recommends approval of the following:

I. New Courses

**Agronomy 455. Environmental Soil Science.** (3-0). Credit 3. Environmental aspects of soil receiving organic and inorganic materials involved with crop production and from wastes associated with agriculture, industry and municipalities; soil properties largely determine environmentally sound practices of applying these materials and the quantities that may be added without polluting air, soil and water resources. Prerequisite: AGRO 301 or approval of instructor.

**Maritime Administration 470. Environmental Law.** (3-0). Credit 3. Provides a broad background of basic statutes, regulations and cases dealing with the major issues in international and federal environmental law; focus on pragmatic training in statutory, regulatory, and treaty reading and interpretation; analysis of administrative and legislative intent for law. Prerequisite: Junior or senior classification.

**Poultry Science 427. Animal Waste Management.** (3-0). Credit 3. An applied approach to current and emerging issues relating to responsible management of animal waste; the role of biological aspects of production management decisions evaluated in an examination of regulatory and environmental requirements; current case studies and exposure to field situations. Field trips will be required for which departmental fees may be assessed.


II. Courses to be Withdrawn

**HORT 320. Exotic Plants**

**NVSC 300. Naval Science for the Merchant Marine Officer II**

**VTPP 923. Physiology III**

III. Changes in Courses

**Animal Science 414. Sheep and Goat Production and Management.**

<table>
<thead>
<tr>
<th>CONTACT AND SEMESTER CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>before: (2-2) Credit 3</td>
</tr>
<tr>
<td>after:  (3-2) Credit 4</td>
</tr>
</tbody>
</table>

**PREREQUISITES**

<table>
<thead>
<tr>
<th>before:  ANSC 303</th>
</tr>
</thead>
<tbody>
<tr>
<td>after:  ANSC 303, 318 or approval of instructor</td>
</tr>
</tbody>
</table>

**Horticulture 207. Woody Ornamental Plants.**

<table>
<thead>
<tr>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>before: Woody Ornamental Plants</td>
</tr>
<tr>
<td>after: Landscape Plant Materials</td>
</tr>
</tbody>
</table>
Horticulture 207. Woody Ornamental Plants. (Continued)

DESCRIPTION
from: Continuation of HORT 206. Indigenous plants, new cultivars and ground covers; plant introductions, availability and distribution; plants for special uses in urban environments.

to: Identification and use of indigenous and introduced landscape plants; plants for special uses in urban environments; emphasis on plants' ornamental attributes, cultural requirements, and adaptability in urban and suburban environments.

PREREQUISITES
from: HORT 206

to: HORT 206 or approval of instructor


CONTACT AND SEMESTER CREDIT HOURS
from: (2-4) Credit 4

to: (2-3) Credit 3


TITLE
from: Advanced Marine Propulsion Plants

to: Marine Engineering Technology Projects

DESCRIPTION
from: Study of advances in marine propulsion plants, including efficiency enhancement for conventional steam and diesel plants, regenerative and steam injected gas turbine propulsion plants, and combined cycle plants. Additional topics include transmission and drive systems, and propulsors.

to: Team approach to analysis and design of basic marine industry-level projects, in particular marine propulsion plants, including efficiency enhancement for conventional steam and diesel plants, regenerative and steam injected gas turbine propulsion plants, and combined cycle plants. Additional topics include transmission and drive systems, and propulsors; integration of concepts learned in previous required courses; capstone learning experience.

PREREQUISITES
from: MARE 311, 312

to: MARE 311, 312 and 401


COURSE NUMBER
from: POSC 426

to: POSC 326
The Academic Affairs Committee recommends Faculty Senate approval of the following course addition to the Humanities category of the Texas A&M University Core Curriculum:

COURSE ADDITIONS

Humanities

ENGL 211. History of Literary Criticism. (3-0). Credit 3. History of literary thought since Plato, including such writers and schools as Aristotle, "Longinus," Sidney, Dryden, Wordsworth, Eliot, the New Criticism, structuralism, deconstruction, Marxism, feminism and New Historicism. Prerequisite: ENGL 104.

ENGL 330. Arthurian Literature. (3-0). Credit 3. Legend of King Arthur in English and American Literature from its Medieval origins to the present. Prerequisite: ENGL 104.

ENGL 339. African-American Literature. (3-0). Credit 3. Major works of the African-American literary tradition studied in their cultural and historical context, including such authors as Douglass, Du Bois, Hurston, Wright, and Morrison. Prerequisite: 3 credits of literature at 200 level or above.

Social Science

LING 402. Language and Society. (3-0). Credit 3. Focus on the intersection of language and society, particularly language in use or in context through samplings from the field of sociolinguistics; topics including pidgin and creole languages, style-shifting, code-switching, and the effects of age, class, region, ethnicity, and gender on language. Prerequisite: LING 209.

Approved by the Faculty Senate June 12, 1995 (FS.13.006)