THE FACULTY SENATE

December 14, 1995

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

Dear President Bowen:

At its regular meeting held December 11, 1995 the Faculty Senate considered and approved the following proposal from the University Curriculum Committee:

FS.13.092  Nonsubstantive Requests:  Changes in Curriculum
College of Geosciences and Maritime Studies
Department of Meteorology
B.S. in Meteorology

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. Sallie V. Sheppard, Interim Executive Vice President & Provost
     Dr. R. Bruce Simpson, Chair, University Curriculum Committee
     Ms. Linda F. Lacey, Director of Academic Support Services

APPROVED

DATE

DEC 2, 1995
The University Curriculum Committee Recommends approval of the following:

Nonsubstantive Requests

Change in Curricula

College of Geosciences and Maritime Studies
   Department of Meteorology
   B.S. in Meteorology
MEMORANDUM

TO: Ms. Linda Lacey, Director, Academic Support Services

THROUGH: Dr. MaryJo Richardson, Assoc. Dean CGMS & Chair, College Curriculum Committee

THROUGH: Dr. Dusan Djuric, Chair, Undergraduate Program Committee

FROM: James P. McGuirk, Asst. Head METR

SUBJECT: Changes to Curriculum in the Undergraduate Catalog

METR requests the following changes be made, for the given reasons, to the curriculum described in the undergraduate catalog. It is our hope that these changes be approved in time for the 1996/97 catalog (University Curriculum Committee meets November 10). These changes will bring the catalog into agreement with how we are currently advising our students, as directed by the undergraduate committee and with the consensus of the METR faculty.

1. Add METR 151 Weather Forecasting to the Fall semester of the freshman year. Our freshman students have taken this computer lab course for the last two years in the NSF/University sponsored computer instruction lab. It has been highly successful, judged by both students and faculty.

2. Change STAT 221 (4 hrs) to STAT 211 (3 hrs) for Fall in the junior year and replace AERO 320 in Spring junior year with a general elective. The addition of the computer lab has allowed the programming parts of STAT 221 and AERO 320 to be replaced by material in METR 151, 336, 435, 451 and 452.

3. The general elective in the junior year provides the undergraduates with more flexibility in the design of their program. These changes also allow us to keep the total program hours required for graduation unchanged.

cc: GR North, Head METR
Oceanography

Studies in

College of Geosciences and Marine Studies/Oceanography

Electives

- Oceanography
- Marine Biology
- Geophysics
- Technology and Society
- Environmental Studies

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- Oceanography
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NOTES: The American Institute of Physics, 1971, 101, 10-97. The term of this degree is approved by W.C.

December 11, 1995

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College of Geosciences and Marine Studies/Oceanography

Neurobiology

Curriculum in

Attachment C:64
MEMORANDUM

TO: H.J. Newton, Head, STAT

FROM: James P. McGuirk, Asst. Head, METR

SUBJECT: Change in METR Curriculum

As you may know, the National Science Foundation has supported a meteorology computer lab with a SGI Indigo host and 15 SGI work stations, for various class activities, including computations, image processing, and WWW acquisition. Already our students are using this facility in at least six undergraduate classes, starting with METR 151 in their first semester freshman year. As such, the meteorology faculty has decided that computer applications in courses outside of METR is less essential. In an effort to provide more freedom and flexibility to our students we are currently advising them to take STAT 211 rather than the catalog listed STAT 221. This change will move our approximately 25-30 students per year from STAT 221 to STAT 211. Most of these students will probably continue to take their statistics course in the Fall.

At this time we are making a formal change to the undergraduate catalog-listed curriculum. We intend to make this request through the University Curriculum Committee at its November 10 meeting. The Statistics Department has been informed of and acknowledges this curriculum change.

Dr. H.J. Newton, Head
MEMORANDUM

TO: D.T. Ward, Head, AERO

FROM: James P. McGuirk, Asst. Head, METR

SUBJECT: Change in METR Curriculum

The National Science Foundation has supported a meteorology computer teaching lab with a SGI Indigo host and 15 SGI work stations, for various class activities, including computations, image processing, and WWW acquisition. Already our students are using this facility in at least six undergraduate classes, starting with METR 151 in their first semester freshman year. Combined with this enhanced skill, our undergraduate students typically move to jobs that do not require knowledge of numerical methods. Therefore, the meteorology faculty has decided that computer applications in courses outside of METR are less essential. Specifically, we are recommending the replacement of AERO 320 in our curriculum by a general elective, to provide students more flexibility in the design of their individual degree plans. We will continue to advise our graduate school-bound students and certain others to take AERO 320 as an elective, particularly since we recognize the quality and use of the information typically taught in the course. We anticipate about 5-10 of our students per year will take AERO 320, down from 25-30 per year.

At this time we are making a formal change to the undergraduate catalog-listed curriculum. We intend to make this request through the University Curriculum Committee at its November 10 meeting. The Aerospace Engineering Department has been informed of and acknowledges this curriculum change.

D.T. Ward, Head

10/31/95