September 13, 2004

MEMORANDUM

TO: Stephen Halperin
   Dean, College of Computer, Mathematical and Physical Sciences

FROM: Victor Korenman
       Associate Provost for Academic Planning and Programs

SUBJECT: Proposal to Convert the Existing Citation in Meteorology to a Minor in Atmospheric Sciences (PCC Log No. 03049)

At its meeting on September 10, 2004, the Senate Committee on Programs, Curricula, and Courses approved your proposal to convert the existing citation in Meteorology to a Minor in Atmospheric Sciences. A copy of the approved proposal is enclosed. A copy of the minor curriculum will be posted online at http://www.provost.umd.edu/minors

This approval is effective immediately. No student may be allowed to begin the discontinued Citation program after this time, but students who have already taken or who are taking a course towards the Citation must be permitted to complete it if they so choose. All advisors should be notified and the College should ensure that the approved guidelines are followed.

VK:slm
Enclosure

Cc: Dr. Sylvester J. Gates, Chair, Senate PCC
    Dr. Mary Giles, University Senate
    Ms. Barbara Hope, Data Administration
    Dr. Phyllis Peres, Undergraduate Studies
    Ms. Anne Turkos, Archives
    Dr. Scott Wolpert, College of Computer, Mathematical and Physical Sciences
    Dr. Linda Yokoi, Records & Registrations
DATE SUBMITTED__

PCC LOG NO.

03049

COLLEGE/SCHOOL CMPS

DEPARTMENT/PROGRAM METEOROLOGY

PROPOSED ACTION (A separate form for each) ADD_____ DELETE_____ CHANGE_X_

DESCRIPTION (Provide a succinct account of the proposed action. Additional detail may be provided in an attachment. Provide old and new sample programs for curriculum changes.)

This is a proposal to convert an existing citation (Meteorology) into a minor.

The transcript will designate the minor as Atmospheric Sciences.

JUSTIFICATION/REASONS/RESOURCES (Explain the reason for the proposed action. Identify the source of new resources that may be required. Attach additional material if needed.)

This follows the University welcome decision to switch from citations to minors. The title change is because the name is better and conveys the fact that it is a more science-oriented minor. We have added two GEOG courses to the list of elective 400 courses, which were already included in another citation. The Department of Geography had already agreed to these courses to be offered in our citation/minors. No new resources are needed.

APPROVAL SIGNATURES

1. Department Committee Chair
   [Signature]
   4/6/04

2. Department Chair
   [Signature]
   4/6/04

3. College/School PCC Chair
   [Signature]
   4/10/04

4. Dean
   [Signature]
   5/1/04

5. Dean of the Graduate School (if required)
   [Signature]

6. Chair, Senate PCC
   [Signature]
   9/20/04

7. Chair of Senate
   [Signature]
   9/20/04

8. Vice President for Academic Affairs & Provost
   [Signature]
   9/20/04

VPAAP Rev. 2/2/98
Proposal for a **Minor in Atmospheric Sciences** to be offered by the Department of Meteorology.

1. This is a proposal to convert an existing citation into a minor. The transcript will designate the minor as Atmospheric Sciences.

2. **Catalog Description**

This minor will provide a general background in meteorology, as offered by the lower level courses, and a solid background in Atmospheric Physics and Atmospheric Dynamics, as offered by two required courses. It is aimed at students that might consider graduate work in Meteorology, or prepare them for the very favorable job market in the Washington area, where a background in Meteorology can be an important asset. Students attempting this minor will need a strong background in Mathematics, Physics and Chemistry at the level of MATH 240 or 461, PHYS 270 and PHYS 271; CHEM 103, which are prerequisites for the required courses. Students interested in taking this minor program should contact the undergraduate advisor in the Department of Meteorology for advisement. This minor is not open to students who major in Physical Sciences with a concentration in Meteorology, or who major in Physics within the Meteorology Physics area of concentration.

The student must choose two courses from:

- METO 123 Global Change (3)
- METO 200 Weather and Climate (3)
- METO 400 The Atmosphere (3)

The following two courses are required:

- METO 431 Meteorology for Scientists and Engineers I (3)
- METO 432 Meteorology for Scientists and Engineers II (3)

One additional elective from

- Any 400 level courses offered in the Department of Meteorology approved by the Undergraduate Director.
- Courses offered by the Department of Geology and Geography, such as:
  - GEOL 437 Global Climate Change: Past and Present (3)
  - GEOL 452 Watershed and Wetland Hydrology (3)
  - GEOG 446 Applied Climatology (3)
  - GEOG 447 Advanced Biogeography (3)
  - GEOG 472 Remote Sensing (3)

A total of 15 credits is required. All courses presented for the minor must be passed with
a grade of “C” or better.

3. Oversight and Record Keeping

Oversight of this minor program will be through the normal academic processes of the Department of Meteorology. The department’s Undergraduate Director will be responsible for ensuring that students are properly advised and that records are appropriately kept.

4. Prerequisites

Although required for the program, MATH 240 or 461, PHYS 270 and PHYS 271; CHEM 103 are not included as specific minor requirements because they are likely already to be parts of the major requirements for students who will be interested in this minor.