



MEMORANDUM

Civil & Environmental Engineering Department
159310

April 24, 2007

To: Professor Kanji Ono
Chair, HSSEAS Executive Committee

Subject: Environmental Engineering Minor

From: William Yeh, Chair *Will Yeh*
Department of Civil and Environmental Engineering

The Department of Civil and Environmental Engineering proposes to add a minor program in Environmental Engineering to be effective beginning Fall Quarter, 2007. This minor has been approved by the departmental faculty.

Rationale

The Environmental Engineering minor fulfills a dual role in that it offers a structured program in environmental engineering, a field in which our department specializes, in addition to satisfying a minor requirement for those seeking the Institute of the Environment's Environmental Science (ES) major.

For students who have an interest in expanding their natural science knowledge base, this minor provides substantial course material in the field of environmental engineering. The required and elective minor courses supply students with an understanding of the role that engineering can play in dealing with environmental issues. The elective course list includes choices from the departments of Chemical and Biomolecular Engineering and Environmental Health Sciences as well as Civil and Environmental Engineering.

Furthermore, the proposed minor will be one of eight natural science minors that complement the ES major. Whereas the upper division core requirements of the ES major expose the student to upper division level material in areas fundamental to environmental science, the minor will be a key component, providing relatively in-depth knowledge within the environmental engineering field.

Resources and Enrollment

We expect that over time the enrollment in this minor program will be about 10 students per academic year, composed primarily of students following the ES degree and a small number of other students who are not in that program but who are interested in environmental engineering. We do not anticipate that there will be any additional demands on the resources or equipment of the department or its faculty, since these students will be incorporated into the regular enrollment numbers of the courses concerned. The student affairs officer of the Institute of the Environment will assist the HSSEAS Office of Academic and Student Affairs in handling the administrative needs of the minor.

Attached to this letter are memos from the Chairs of the departments of Chemical and Biomolecular Engineering and Environmental Health Sciences agreeing to participate in this minor by making their courses available to students enrolled in the minor by altering prerequisites or cross listing graduate courses as undergraduate courses. Please note that these memos were prepared originally in support of the ES major, for which the listing of the environmental engineering minor is the same as proposed here.

Special Requirements

No more than two courses may be applied toward both this minor and a major or minor in another department or program. All courses to be applied toward the minor must be taken for a letter grade, with a minimum grade of C (2.0) in each and an overall grade point average of 2.0 or better.

If you have any further questions, please contact Prof. Keith Stolzenbach at x6-7624 (stolzenb@ucla.edu).