

**GRADUATE PROGRAM IN  
ENVIRONMENTAL TOXICOLOGY**

**UNIVERSITY OF CALIFORNIA,  
RIVERSIDE**

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**BYLAWS**

**GRADUATE COUNCIL APPROVAL**

**DATE: .....6/7/06.....**

## I. Objective of the Graduate Program in Environmental Toxicology

The graduate program in Environmental Toxicology (ENTX) was developed to consolidate and enhance the research interests in environmental toxicology on the UCR campus that was evidenced by the pesticide toxicology researchers in the Department of Entomology, the atmospheric pollution researchers in the Statewide Air Pollution Research Center (now the Air Pollution Research Center) and researchers in the Department of Soils and Environmental Sciences (now the Department of Environmental Sciences) investigating the transformation, transport and degradation of pollutants in the environment. The graduate program in Environmental Toxicology (ENTX) accepted its first students in 1987. The program has now graduated over 70 students and has a steady-state enrollment of about 30-35 students (currently there are 33 doctoral and 2 masters students). As of Winter 2006, 39 faculty from 9 departments were program members.

The ENTX program offers a Plan 1 (Thesis) Master's degree and Ph.D. in Environmental Toxicology. Areas of specialization include biochemical toxicology and chemical toxicology. Information on the core curriculum, available elective courses, specific requirements for the M.S. and Ph.D. degrees and all forms requiring student completion are presented in the Graduate Student Guidelines booklet given to each entering ENTX student.

## II. Membership

1) Membership Nomination Criteria: The Environmental Toxicology program is Interdepartmental and any UCR Academic Senate member with an active research program and interest in Environmental Toxicology is eligible to participate. Faculty are expected to conduct research into some aspect of the chemical, biochemical, cellular and molecular mechanisms of toxicity of agricultural or other anthropogenic chemicals released into the environment or on the fate and transformation of these toxicants in the environment. Faculty requesting membership in the ENTX program should send a Curriculum Vita to the Graduate Program Director, who will forward the document to the Program Faculty for a vote. Non-academic senate researchers conducting active research in environmental toxicology may also apply for membership.

2) Membership Retention Criteria: In addition to conducting research on some aspect of Environmental Toxicology, program members (including Emeritus faculty wishing to continue membership) are expected to actively participate and contribute to the ENTX program in at least one of the following ways:

- (i) Take an active role in the administration of the graduate ENTX program by serving on administrative committees, serving as a graduate adviser or serving as an administrative officer of the program.
- (ii) Provide graduate level instruction and mentorship to ENTX students.
- (iii) Serve on ENTX student dissertation/thesis committees and qualifying/comprehensive examination committees.
- (iv) Contribute to instruction in the required core curriculum.
- (v) Offer an elective course in some aspect of Environmental Toxicology.

3) Periodic Review of Membership: An ENTX program faculty member who no longer wishes to participate in the program may request termination of their membership at any time by sending a memo to the Program Director. Every five years, or sooner at the request of the Program Director, members will be requested to submit a brief summary of their participation in the program. The report received from any program member whom the Director deems is not participating adequately, will be taken to the Program Executive Committee for action – which may include termination of the faculty’s membership in the program.

### **III. Organization and Administration**

1) Graduate Program Director: The Graduate Program Director is responsible for the overall direction and organization of the ENTX Program and is the chair of the Executive Committee.

The Graduate Program Director will be nominated in compliance with Graduate Council guidelines as follows: A Nominating Committee should solicit the names of nominees for a new Graduate Program Director from the program faculty. The program faculty will be polled for comments on the nominees. All comments will remain confidential. The Nominating Committee will forward at least two names to the Graduate Dean along with comments received on the nominees. The Graduate Dean, in consultation with the college Dean, will forward his/her recommendation to the Chancellor, who makes the appointment. The normal term of the Director’s appointment is three years.

The ENTX Program Director will be the ENTX representative at CNAS chair meetings and other meetings on campus requiring representation of the program. The ENTX Program Director will send nomination of faculty to serve as Graduate Advisor to the Dean of the Graduate Division. The ENTX Program Director will also appoint standing committees and members.

The Program Director is responsible for assigning and evaluating Laboratory Rotations for the new students (ENTX 201L).

2) Graduate Advisors: The program has two graduate advisors, nominally with areas of specialization in biochemical toxicology and chemical toxicology. The students may elect to seek advice, approval on forms, etc. from either graduate advisor. The Graduate Advisors advise students regarding formation of Guidance Committees, Qualifying Examination Committees, and Dissertation Committees.

3) Committees: The administration of the program and its activities will be vested in an Executive Committee consisting of at least four faculty members and chaired by the Program Director. The Program Director will appoint members of the following standing committees:

- Curricula and Student Affairs Committee. Reviews admissions applications. Sends nominations of student Oral Qualifying Exam Committee members to Graduate Division. Reviews student petitions. A student member is present at

the discretion of the committee. The Graduate Advisors serve as members of this committee.

- Seminar Committee. Selects and host speakers for the Seminar in Environmental Toxicology (ENTX 270). Includes a student member.
- Preliminary Examination Committee. Generally comprised of faculty teaching the core courses and may include additional members who teach elective courses. Responsible for writing and assessing the Preliminary Examination which is a standardized, written test (which may include an oral portion at the discretion of the Preliminary Exam Committee) normally offered once a year prior to the beginning of the Fall quarter. The Preliminary Examination consists of questions related to environmental, organismal and sub-organismal aspects of toxicology and is designed to test the student's ability to synthesize and integrate concepts in toxicology.
- Student Symposium Committee. Responsible for scheduling and planning the Annual Student Symposium (ENTX 271).

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4) Major Professors: Major Professors are expected to provide appropriate guidance and laboratory facilities for their students as they conduct research, participate in an annual review of their student's progress (conducted in conjunction with the Annual Student Symposium, ENTX 271) and make a good faith effort to fulfill any financial commitments made to the student upon admission.

5) Meetings: Meetings of the program faculty, held at least annually, will be called at the direction of the Program Director. Additional program faculty meetings can be called upon petition of five or more program members.

6) Program Director: The Program Director appoints members of the Executive Committee, Curricula and Student Affairs Committee, Seminar Committee, Preliminary Examination Committee and Student Symposium Committee. The Program Director chairs the Executive Committee and may be an ex-officio member of the other standing committees. These committees meet as required to fulfill their duties as noted above.

- 7) Quorum: All issues that require a vote must be:
- voted on by 50+% of the eligible members
  - passage requires a 50+% supporting vote

An e-mail ballot may be used.

8) Amendments: All amendments and revisions must be submitted to Graduate Council for review and approval. Passage of amendments to bylaws must satisfy the program's quorum rules.