APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR

1. Submitted by College of Graduate School Date February 20, 2002
   Department/Division offering course Graduate Center for Toxicology

2. Changes proposed:
   (a) Present prefix & number TOX 600-001 Proposed prefix & number TOX 600-001
   (b) Present Title Ethics in Scientific Research
       New Title Ethics in Scientific Research
   (c) If course title is changed and exceeds 24 characters (Including spaces), include a sensible title (not to exceed 24 characters) for use on transcripts:
   (d) Present credits: 2.0 Proposed credits: 1.0-2.0
   (e) Current lecture: laboratory ratio Proposed:
   (f) Effective Date of Change: (Semester & Year) Summer 2002

3. To be Cross-listed as: VS 600
   Prefix and Number
   Signature: Department Chair

4. Proposed change in Bulletin description:
   (a) Present description (including prerequisite(s)):

5. What has prompted this proposal?
   Experience has shown that 32 hours is excessive, since there has been duplication of topics. Nationally, comparable courses are taught in 6-10 hours. The need to teach it yearly to a larger number of students in the summer session offers the opportunity to condense the course.

6. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:
   Course content will not change and will consist of lectures and discussions of case histories.

7. What other departments could be affected by the proposed change?
   College of Medicine, basic science departments (IBS curriculum)

8. Will changing this course change the degree requirements in one or more programs?*
   □ Yes □ No
   If yes, please attach an explanation of the change.*

9. Is this course currently included in the University Studies Program?
   □ Yes □ No
   If yes, please attach correspondence indicating concurrence of the University Studies Committee.

10. If the course is a 100-200 level course, please submit evidence (e.g., correspondence) that the Community College System has been consulted.

*NOTE: Approval of this change will constitute approval of the program change unless other program modifications are proposed.
Is this a minor change?  

(NO): See the description on this form of what constitutes a minor change. Minor changes are sent directly from the Dean of the College to the Chair of the Senate Council. If the latter deems the change not to be minor, it will be sent to the appropriate Council for normal processing.)

Within the Department, who should be consulted for further information on the proposed course change?

Name: Mary Vore  Phone Extension: 7-3760

Signatures of Approval:

Mary Vore  2/21/02
Department Chair  Date

Dean of the College  2/27/02  Date

**Undergraduate Council  Date

**Graduate Council  Date

**Academic Council for the Medical Center  Date

**Senate Council  Date

Date of Notice to the Faculty  Date

Date of Notice to University Senate  Date

If applicable, as provided by the Rules of the University Senate.

ACTION OTHER THAN APPROVAL

The Minor Change route for courses is provided as a mechanism to make changes in existing courses and is limited to one or more of the following:

a. change in number within the same hundred series;
b. editorial change in description which does not imply change in content or emphasis;
c. editorial change in title which does not imply change in content or emphasis;
d. change in prerequisite which does not imply change in content or emphasis;
e. cross-listing of courses under conditions set forth in item 3.0;
f. correction of typographical errors. [University Senate Rules, Section III - 3.1]
KX 600: ETHICS IN SCIENTIFIC RESEARCH
1st SUMMER SESSION 2002

COURSE STRUCTURE: 1 Credit Hr., 16 Contact Hrs.
Twice Weekly, 8 sessions total, 2 hr/session

SESSION TOPICS

Introduction to/History of Ethical Issues in Science/Relationship between Academia and Industry

Misconduct in Research

Ethics of Animal and Human Experimentation

Mentoring and Laboratory Supervision/Data Management*

Conducting Research/Handling Research Materials and Information*

Publications, Grants and Peer Review*

Collaborative Research and Conflicts of Interest*

Genetic Research*

Small group (10-15 students/group) discussions of case studies will be an integral part of 5 of the above sessions (those denoted with an asterisk). Case studies are to be handed out at the beginning of the course. Each student will have the responsibility to lead discussion of at least one case study in the small group format. A faculty member will be present to oversee each discussion group and assess the preparation and performance of the group leaders.

Evaluation will be based on attendance and the performance of students as discussion group leaders.
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<th>DATE</th>
<th>TOPIC</th>
<th>LECTURER</th>
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<tr>
<td>Aug. 28</td>
<td>Ethical Issues in Science - An Introduction</td>
<td>C. Ambrose Microbiology &amp; Immunology</td>
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<td>Sept. 4</td>
<td>Academic Holiday—Labor Day</td>
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<td>Sept. 11</td>
<td>Ethics of Animal Experimentation</td>
<td>C. Trahan Director, DLAR</td>
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<td>Sept. 18</td>
<td>Scientific Relationship between Academia and Industry</td>
<td>J. Fink ASTeCC</td>
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<td>T. Tobin Veterinary Science Toxicology</td>
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<td>D. Keach UKRF</td>
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<td>A. S. Selwitz Office of Research Integrity</td>
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<td>A. Kaplan Microbiology &amp; Immunology Toxicology</td>
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<td>Handling Research Materials and Information</td>
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<td>Reporting Research: Publications</td>
<td>D. Orren Toxicology</td>
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<td>Nov. 13</td>
<td>Peer Review: Ethics of Handling Other Investigators’ Intellectual Property: Manuscripts and Grants</td>
<td>R. Gupta Preventive Medicine Toxicology</td>
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<td>Nov. 20</td>
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<td>R. Booze</td>
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<td>Dec. 4</td>
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