

Add Course Request

Submitted on: 2013-03-13 09:26:13

1. COURSE SUBJECT	ANSC
2. COURSE NUMBER (OR PROPOSED NUMBER)	3324W
3. COURSE TITLE	Scientific Writing in Embryo Biotechnology
4. INITIATING DEPARTMENT or UNIT	Animal Science
5. NAME OF SUBMITTER	Xiuchun C Tian
6. PHONE of SUBMITTER	Phone: +1 860 486 9087
7. EMAIL of SUBMITTER	Email: xiuchun.tian@uconn.edu
8. CONTACT PERSON	Gary Kazmer
9. UNIT NUMBER of CONTACT PERSON (U-BOX)	4040
10. PHONE of contact person	Phone: 6-1011
11. EMAIL of of contact person	Email: gary.kazmer@uconn.edu
12. Departmental Approval Date	02/18/2013
13. School/College Approval Date	03/01/2013
14. Names and Dates of additional Department and School/College approvals	
15. Proposed Implementation Date	Term: Fall , Year: 2013
16. Offered before next printed catalog is distributed?	Yes
17. General Education Content Area	
18. General Education Skill Code (W/Q). Any non-W section?	W
19. Terms Offered	Semester: Fall Year: Every_Year
20. Sections	Sections Taught: 1
21. Student Number	Students/Sections: 19
22. Clarification:	
23. Number of Credits	1 if VAR Min: Max: credits each term
24. INSTRUCTIONAL PATTERN	

25. Will this course be taught in a language other than English?	No If yes, then name the language:
26. Please list any prerequisites, recommended preparation or suggested preparation: ENGL 1010 or 1011 or 2011 or 3800, Co-requisite: ANSC 3323	
27. Is Instructor, Dept. Head or Unit Consent Required ?	No
28. Permissions and Exclusions: Open only to Juniors or higher	
29. Is this course repeatable for credit ?	No If yes, total credits allowed: Allow multiple enrollments in same term?
30. Grading Basis	Graded
31. If satisfactory/unsatisfactory grading is proposed, please provide rationale :	
32. Will the course or any sections of the course be taught as Honors? AsHonors	
33. Additional Details:	
34. Special Attributes:	
35. REGIONAL CAMPUS AVAILABILITY: This course requires co-enrollment in ANSC 3323, which requires the use of facilities available only at the Storrs campus. As such it will not be taught at regional campuses.	
36. PROVIDE THE PROPOSED TITLE AND COMPLETE CATALOG COPY: 3324W. Scientific Writing in Embryo Biotechnology. One credit. One class period. Prerequisite: ENGL 1010 or 1011 or 2011 or 3800; open to juniors or higher. Co-requisite: ANSC 3323. Tian. A writing intensive class integrated with course content in ANSC 3323 Animal Embryology and Embryo Biotechnology.	
37. RATIONALE FOR ACTION REQUESTED a. This course provides an opportunity for students to critically review the literature related to animal embryology. The course is designed to develop the students' critical thinking and writing skills. b. n/a c. Enrollment is restricted to junior or senior level students. ENGL 1010, 1011, 2011 or 3800 is required as a prerequisite so that students have a basic understanding of the writing process. d. None. ENGL 1010, 1011, 2011 or 3800 is already required by students in the animal science major; requiring one of these classes as a prerequisite will have no effect on the number of students enrolling in those classes.	

- e. None.
- f. None.
- g. None.
- h. None.
- i. n/a
- j. n/a

38. SYLLABUS:

Online URL: ([https://web2.uconn.edu/senateform/request/course_uploads/xct02001-1361220945-ANSC 3323W.docx](https://web2.uconn.edu/senateform/request/course_uploads/xct02001-1361220945-ANSC_3323W.docx))

39. Course Information: ALL General Education courses, including W and Q courses, MUST answer this question

Students will learn the class materials more in depth by researching the scientific literature and to develop, they should learn how writing can ground, extend, deepen, and even enable their learning of the course material. In addition then to the general formal questions concerning strategies for developing ideas, clarity of organization, and effectiveness of expression, and the discipline specific format, evidentiary, and stylistic norms, the W requirement should lead students to understand the relationship between their own thinking and writing in a way that will help them continue to develop both throughout their lives and careers after graduation.

40. Goals of General Education: All Courses Proposed for a Gen Ed Content Area MUST answer this question

41. Content Area and/or Competency Criteria: ALL General Education courses, including W and Q courses, MUST answer this question.: Specific Criteria

- a. **Arts and Humanities:**
- b. **Social Sciences:**
- c. **Science and Technology:**
 - i. **Laboratory:**
- d. **Diversity and Multiculturalism:**
 - 43. **International:**
- e. **Q course:**
- f. **W course:**

Each student taking ANSC 3324W will be assigned to write an in-depth overview of 15 pages (exclusive of references, figures and tables) on a specific subject related but not necessarily covered in ANSC 3323. The instructor will meet with the students individually during the semester to introduce the subject area, to point out significant and landmark literature and to outline the writing requirements. The first draft of the paper is due 4 weeks before the end of the last class instruction. The students will meet individually with the instructor again after their papers are reviewed to receive comments/help for revision. The final drafts of papers will be due at the end of the final exam period of the semester. Failure of ANSC 3324W will also result in the failure of ANSC 3323.

42. RESOURCES:

Does the department/school/program currently have resources to offer the course as proposed
YES

If NO, please explain why and what resources are required to offer the course.

43. SUPPLEMENTARY INFORMATION:

ADMIN COMMENT:

Senate approved W 10.14.13. GEOC/WAppr_041713KCP. NewW_031313KCP.

ANSC 3323W

Scientific Writing in Animal Embryology and Embryo Biotechnology

Instructor: Xiuchun (Cindy) Tian

Office: 220D Advanced Biotech Building (ABL)

Phone: 486-9087

Email: Xiuchun.tian@uconn.edu

Time of class: Tuesday 5-6 pm

Office Hours: Immediately after each class session and also by appointment.

Catalog Description: One credit. One class period. Prerequisite: ENGL 1010 or 1011 or 3800; Open to juniors or higher. Co-requisite: ANSC 3323, Animal Embryology and Embryo Biotechnology.

A writing intensive class integrated with course content in ANSC 3323, Animal Embryology and Embryo Biotechnology.

Course Objectives:

1. To provide students with the opportunity to investigate a specific topic of interest in fundamental and current topics in Embryology and Embryo Biotechnology.

- To provide students with an opportunity to gain experience in the process of scientific writing within the field of Embryology and Embryo Biotechnology, including review of the literature and peer review.

Class format: One discussion period. May meet in alternate locations. Individual appointments may substitute for some class meeting times.

Grading:

Final Grades

Points:

Topic and Justification	100
Outline*	150
Original Submission	200
Peer Review	100
Final Submission	350
Participation	100
Total	1000

A	≥ 92%
A-	89-91%
B+	86-88%
B	82-85%
B-	79-81%
C+	76-78%
C	72-75%
C-	69-71%
D+	66-68%
D	62-65%
D-	59-61%
F	<59%

*Can be revised and resubmitted once for re-grading.

NOTE: According to university-wide policies for W courses, you cannot pass ANSC 3323 unless you receive a passing grade for the ANSC 3323W.

Classroom Rules of Conduct:

- Cell phones, mp3 players and other electronics are to be turned off and put away during class. Use of these devices is distracting to others. Laptops will be allowed during lecture for note-taking only.
- Be on time.
- Academic misconduct will not be permitted in any form and is a violation of the University of Connecticut Student Code. Academic misconduct includes, but is not limited to, copying or sharing answers on exams, quizzes or assignments; plagiarism; and having someone else do your work for you. For more information, please see the student code at: http://www.dos.uconn.edu/student_code.html for details.
- Participation in discussion is required.

Special Needs: If you have any special needs, please contact the instructor so arrangements can be made.

Tentative Schedule

Week	Topics
1	Introduction, Discussion of Expectations, Considering your Audience
2	Low and high stake writing, exercises
3	How scientific writing is different than other writings, original research reports vs. review articles Literature search (Use of electronic databases and search engines; Library) Homework: topic development
4	Class discussion on Topics and Justification
5	Objectives and Outlines: Reading, rough ideas, developing an outline, organization Topics and Justification due Homework: outline development and literature search
6	Common mistakes in data presentation and scientific writing Class discussion on outline
7	The process of completing a research project: from fund application to publishing results Outline Due
8	Quoting, paraphrasing and plagiarism Homework: development of first draft
9	Scientific publications, impact factors, and peer review First Draft Due Homework: peer-review
10	Revision, Self-evaluation v. peer evaluation of student papers Class discussion of Peer review, Peer Review Due
11	Class discussion of Peer review Homework: revise first draft
12	Individual meetings to critique papers Homework: second revision
13	Individual meetings to critique papers Homework: second revision
14	Class evaluation, discussion on writing skill improvement, Wrap-up Final Submission Due

Writing Assignment

The course requires a final submission of a **15-page (double-spaced; 12 pt font with 1" margins on all sides)** review paper after two rounds of revision (peer-reviewed and instructor reviewed). The review paper must cite **at least 10 references which do not count towards the page limit**. The topic must be related to the materials presented in AS3323.

The goal is for the student to investigate an area of embryology/biotechnology that is of personal interest. The development of the paper will occur in several steps:

1. Justification of topic and its relationship to the class (must be approved by instructor)
1 to 2 paragraphs that identifies topic, relevance to class and interest to the author
2. Outline of paper with 5 references, including a short summary of each reference.
The outline should have details on the topics to be presented. The summaries of each reference articles should include a summary (1 paragraph) of the article and how it will be used in the paper.
3. First Draft: to be developed from the outline.
4. Revision of the first draft based on comments from peer-review and in class discussion. The original first submission, a copy of the peer review and response to peer review must be returned with the revised submission.
5. Second revision: based on comments from individual meetings with the instructor.
6. References: A minimum of 10 primary references. Literature cited should be in the format of *Cell*. Please consult the journal for examples.

Important notes:

1. All submissions must be typed. Electronic submissions are accepted in pdf format only. A 25% point deduction will be made for each delayed day of submission.
2. Manuscript submissions should have the following sections:
 - a. Title Page with title, name, class number and title, and date
 - b. Introduction: A concise explanation of the problem and the objective of your paper
 - c. Body
 - i. A summary of the different aspects of the topic with research findings from the literature.
 - ii. Must contain headings and subheadings to present the paper in a logical manner

- d. Conclusion: Should contain a brief summary and statement regarding areas of future research or the importance of the work to the field.
 - e. References: Using *Cell* format.
3. Peer review submissions should have the following sections:
- a. Title of manuscript and name of original author;
 - b. Major comments: logics, flow, development of subject, organization, etc.;
 - c. Minor comments: specific comments with page and line references of minor mistakes in the composition.
4. Response to Peer review should have the following sections:
- a. "Thank you" statement to reviewer.
 - b. A point-by-point response on how each comment of the reviewer was addressed: accepted/addressed/rejected. If a comment is rejected, justification should be made for the rejection by stating "I respectfully disagree on the comment of...".