

CURRICULUM PROPOSAL FORM 2001-2002

**NON-GENERAL EDUCATION PROCESS A**

**\*DEADLINES:** Deadline dates for 2001/2002 submissions: Regular proposals: October 19, 2001 to be implemented in Fall 2002; Short-Term proposals: December 7, 2001 to be implemented in Fall, 2002; Regular proposals February 15, 2002 to be implemented in Spring, 2003; March 22, 2002 for short-term courses to be implemented in Spring 2003.

**PROPOSAL TITLE:** General Embryology of Animals 0427.401  
Deletion of Some Prerequisites -- REVISED

**SPONSOR(S):** J. Scott, Associate Professor

**DEPARTMENT:** Biological Sciences

**COLLEGE:** Liberal Arts & Sciences

**IF LAS CHECK ONE:** \_\_\_ History/Humanities XX Math/Sciences \_\_\_ Social/Behavioral Sciences

**Check one:** XX Undergraduate \_\_\_ Graduate

THE ATTACHED **NON-GEN-ED** PROPOSAL IS BEST DESCRIBED BY THE ITEM(S) CHECKED.

\_\_\_ New non-gen-ed course

\_\_\_ Short-term non-gen-ed course

XX Minor curricular changes (fewer than three) to:

XX existing non-gen-ed course

\_\_\_ non-gen-ed degree requirements

\_\_\_ major

\_\_\_ minor, specialization, concentration, track, certificate program

**DEPARTMENT**

(Signature indicates approval)

[Signature] 10-15-01

Dept. Curriculum Chair / Date

[Signature] 10-15-01

Dept. Chairperson / Date

**ACADEMIC DEAN**

Approved

Not Approved

Comments:

Dean's Signature/Date [Signature] 10/20/01

**COLLEGE CURRICULUM COMMITTEE**

Date of open hearing (if necessary) 2/17/02 Approved  Not Approved

Comments:

Signature of College Chair/Date: [Signature] 1-17-02

**UNIVERSITY CURRICULUM COMMITTEE**

Date Received/Processed \_\_\_\_\_

Comments:

Curriculum Chair Signature [Signature] Date Announced At Senate 1/29/02

**EXECUTIVE VICE PRESIDENT/PROVOST**

Approved  Not Approved  If no, reasons are as follows:

Student Credit Hours \_\_\_\_\_ Faculty Load Hours \_\_\_\_\_ Equalized Credit Hours \_\_\_\_\_

Official Copy & Approval Sheet Filed (Date): \_\_\_\_\_ Executive VP/Provost Signature/Date [Signature] 2/22/02

**REGISTRAR**

Date Approved Course Description Received \_\_\_\_\_ Hegis Taxonomy & Course Number Assigned \_\_\_\_\_

Registrar Signature/Date [Signature] 2/27/02

**NOTIFICATION FORWARD**

Senate Curriculum Committee Chairperson  Academic Dean(s) [Signature]  
 Department Chairpersons  Registrar  Sponsor(s)

# EMBRYOLOGY OF ANIMALS 0427.401

## MINOR CURRICULAR CHANGE DELETION OF SOME PREREQUISITES

### REVISED

#### 1. Details:

##### a. Change Requested:

Current prerequisites:

Biology I & II (0401.100 & 0401.101),  
Organic Chemistry I & II (1907.200 & 1907.201),  
and Senior class standing

Proposed prerequisites:

Biology I & II (0401.100 & 0401.101)  
and Senior class standing

##### b. Sponsor:

Department of Biological Sciences  
J. Scott, Undergraduate Academic Program Advisor

#### 2. Rationale:

Originally, the Department offered only a graduate course (500-level) in embryology, entitled "General Embryology", 0427.597. In any given year, at least one-half of the students enrolled in the graduate course were undergraduate seniors, using their "senior privilege", but this "privilege" has been limited to one 500-level course. To enable more seniors to enroll in the course, the Department submitted a proposal to offer a 400-level version of the same course "Embryology of Animals", 0427.401) be taught simultaneously, in the same classroom/laboratory as the 500-level course. In other words, we have one course with a "double HEGIS number". This dual course has been successfully taught every year since its establishment.

At the time of the proposal for the 400-level course, it seemed logical to have the same prerequisites for the course as for the 500-level course. The graduate catalog at that time listed Organic Chemistry I and II (as well as Biology I and II) as prerequisites for General Embryology. [The concern as to whether these prerequisites were appropriate for the 500-level course was, of course, a separate issue, and to deal with the prerequisites for the 500-level course was deemed to require a separate curriculum proposal.]

Organic chemistry is not relevant to any topics covered in the course (neither the 400-level nor the 500-level.) The Organic Chemistry prerequisite for the original 500-level course has apparently been in place for more than 13 years. No current faculty member in the Department of Biological Sciences can remember why this prerequisite was included in the first place. Under separate cover is a curriculum proposal to delete the Chemistry prerequisite for the 500-level course.

### **3. Statement of Curricular Effect:**

The deletion of the Organic Chemistry prerequisite would have minimal curricular effect. Since all of the students taking this 400-level course are seniors (because of the Senior standing prerequisite), they have either already completed Organic Chemistry I and II or they are enrolled in Organic Chemistry I at the time they are taking Embryology of Animals. All biology majors must take 2 semesters of Organic Chemistry to fulfill the requirements for the major.

### **4. Results of Consultation:**

The Department of Chemistry and Physics was consulted. A copy of their letter of support is attached to this curriculum proposal.

## CATALOG DESCRIPTION

### **Current Description:**

0427.401 3 s.h.  
Embryology of Animals

(Prerequisites: 0401.100 and 0401.10; 1907.300 and 1907.301; and Senior class standing)

This laboratory course focuses on the morphological and physiologic processes involved in the development of embryos from fertilization and the one-cell stage to the newborn/newly-hatched. The course includes the development of invertebrates, amphibians, birds, and mammals.

### **Revised Description:**

0427.401 3 s.h.  
General Embryology of Animals

(Prerequisites: 0401.100 and 0401.101; and Senior class standing)

This laboratory course focuses on the morphological and physiologic processes involved in the development of embryos from fertilization and the one-cell stage to the newborn/newly-hatched. The course includes the development of invertebrates, amphibians, birds, and mammals.



*Department of Chemistry & Physics*

Dr. Joanne Scott  
Biological Sciences  
Rowan University

Dear Dr. Scott,

I have read and I endorse the proposal to drop the Organic Chemistry I & II (1906.200 & 1906.201) prerequisites for the Embryology of Animals course (0427.401). Organic Chemistry is not relevant to any topics covered in the course.

Sincerely,

Eduardo V. Flores  
Chair of Dept. of Chemistry and Physics  
October 8, 2001