

UNDERGRADUATE CURRICULUM PROPOSAL COVER SHEET  
DTC RECORDS

Title of Proposal – Must begin with Department Abbreviation:

Biol/ESC: Add Biology 3110 (Microbiology) to the Biology: Organismal Concentration 2011

Check One:  Full Proposal or  Information Item

REGISTRATION

Effective Date for Curricular Offering: Fall 2011

FROM: Charles Nelson, Biology/ESC, 215 Holt, 425-4222, charles-nelson@utc.edu

(proposal originator: include spokesperson's name, department, office number, telephone, e-mail)

Does this require new resources from the originating department or other department? No  
Please include an explanation if yes.

Faculty of the originating department approved this proposal on April 8, 2011 (date),  
by a vote of 15 aye votes; 0 nay votes; 0 abstentions; 3 eligible voting members absent.

The following have examined this proposal:

Dept Head/Director: John C. Tucker Signature, date 4/12/11 Approve Neutral Disapprove\*

College Curriculum Committee Date: Vote: Signature of Chair:

Spokespersons for Affected Departments:

Table with 5 columns: Printed Name, Department, Signature, Date, Approve, Neutral, Disapprove\*. Contains three empty rows for department spokespersons.

Dean/Director: H. Burhenn Signature, date Approve Neutral Disapprove\*

University Registrar: Linda Orth Signature, date 5/17/11 Comments

A. Provost/Representative: J. Sanders Signature, date 5/18/11 Approve Neutral Disapprove\*

Lab/studio fee requested:

Provost: Phil Oldham Signature, date Approve Disapprove\*

\*Those who disapprove may attach an explanation

Table with 3 columns: ACTIONS on this proposal, Curriculum Committee, Faculty Senate. Rows include Date the proposal was considered, Vote of the body, Accepted as information item, Approved as submitted, Approved with amendments, and Signature of Chair.

## **CURRICULUM PROPOSAL BIOLOGICAL AND ENVIRONMENTAL SCIENCES**

### **PROPOSAL**

The Department of Biological and Environmental Sciences proposes the addition of Biology 3110 Microbiology to the Biology Courses of the Organismal Concentration.

### **RATIONALE**

Prokaryotic microorganisms represent one of the largest groups of living organisms on Earth. By allowing students to take this course in the Cell and Physiology area to satisfy coursework in the Organismal Concentration, the proposal corrects the omission of this group.

### **ECONOMIC AND PEDAGOGICAL CONSEQUENCE**

The proposal has no economic or pedagogical consequence except to allow students to satisfy coursework in the Organismal Concentration as stated in the rationale.

### **EFFECT ON REQUIRMENTS AND RESOURCES IN OTHER DEPARTMENTS OR PROGRAMS**

The proposal has no effect on requirements and resources in other departments or programs.

### **CURRENTLY**

Biology Courses

Botany and Zoology (select 4 courses):

Biol 2070-Plant Morphology

Biol 3120-Invertebrate Zoology

Biol 3130-Comparative Vertebrate Zoology

Biol 3200-Animal Behavior

Biol 3420-Entomology

Biol 3510-Mycology

Biol 3520-Taxonomy of Vascular Plants

Biol 4030-Developmental Vertebrate Embryology

Biol 4080-Parasites of Man

Biol 4450-Herpetology

Biol 4560-Ichthyology

Biol 4570-Mammalogy

Biol 4580-Ornithology

(A minimum of one botany and one zoology course must be taken. Courses offered in Botany and zoology at Gulf Coast Research Laboratory or Highlands Biological Station may be substituted. Approval of the department head required.)

Ecology and Evolution (select 2 courses):

Biol 3060-Ecology and

Biol 3070-Ecology Laboratory

Biol 3150-Evolution

Biol 4060-Limnology and Reservoir Ecology

Biol 4160-Biogeography  
Biol 4400-Tropical Marine Ecology  
Biol 4500-Systematics

Cell and Physiology (select 1 course):

Biol 3040-Plant Physiology  
Biol 3230-Introductory Animal Physiology  
Biol 4600-Toxicology

Recommended elective:

Chem 4510-Biochemistry

**PROPOSED** (changes in italics)

Biology Courses

Botany and Zoology (select 4 courses):

Biol 2070-Plant Morphology  
Biol 3120-Invertebrate Zoology  
Biol 3130-Comparative Vertebrate Zoology  
Biol 3200-Animal Behavior  
Biol 3420-Entomology  
Biol 3510-Mycology  
Biol 3520-Taxonomy of Vascular Plants  
Biol 4030-Developmental Vertebrate Embryology  
Biol 4080-Parasites of Man  
Biol 4450-Herpetology  
Biol 4560-Ichthyology  
Biol 4570-Mammalogy  
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Biol 3150-Evolution  
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Biol 4160-Biogeography  
Biol 4400-Tropical Marine Ecology  
Biol 4500-Systematics

Cell and Physiology (select 1 course):

Biol 3040-Plant Physiology  
*Biol 3110-Microbiology*  
Biol 3230-Introductory Animal Physiology  
Biol 4600-Toxicology

Recommended elective:

Chem 4510-Biochemistry