

# Approval Form



Proposal Title: Human Anatomy & Physiology I 04/21/210

Sponsor(s) J. Scott Dept.: Biological Sciences Ext. 3571

R.J. Meagher

**Check one:**  Course  Specialization  Concentration  Minor  Achievement Certificate

Certification Program  Major Program  Minor Change HEGIS number, catalog description  
(please name deletion or credit/title/catalog change)

Undergraduate  Graduate 4 Credit Hours

<p><b>Step 1 (Department)</b></p> <p><input checked="" type="checkbox"/> Approved _____ Date</p> <p><input type="checkbox"/> Not Approved</p> <p>_____ Dept. CC Chairperson</p> <p><input checked="" type="checkbox"/> Reviewed <u>11/15/94</u> Date</p> <p><u>[Signature]</u> Dept. Chairperson</p>	<p><b>Step 2 (Receipt)</b></p> <p><input type="checkbox"/> SCC# <u>24 95-44</u></p> <p>Proposal Received _____ Date</p> <p style="text-align: center;"><b>SENATE</b></p> <p style="text-align: center;">OCT 20 1994</p> <p style="text-align: center;"><b>RECEIVED</b> <u>Ronald J. Godson</u> SCC Chairperson</p>	<p><b>Step 3 (School CC)</b></p> <p>Reviewed <u>11/15/94</u></p> <p><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved</p> <p>Comments: _____</p> <p style="text-align: right;"><u>[Signature]</u> School Curr Comm Chairperson</p>
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**Step 4 (Academic Dean)**

Recommend  
 Not Recommend  
 Conditionally Recommend (see comments)

Reviewed \_\_\_\_\_ Date

**Comments:**

**RECEIVED**  
DEC 13 1994

**SENATE**  
DEC 14 1994  
**RECEIVED**

\_\_\_\_\_  
Signature, Dean of School

**Step 5 (SCC)**

Open Hearing 2/2/95  Approved by Senate Curriculum Committee 2/2/95  
Date Date

Returned to sponsor(s) for the following reasons:

**Step 6 (Senate)**

Presented to Senate 2/2/95  
Date

Approved  Not Approved

Notification to Executive Vice President/Provost

[Signature]

Step 7 (Executive V.P./Provost)

Received 3/9/95  
Date  
If no, reasons are as follows

Approved  Yes  No

Student credit hours \_\_\_\_\_

Faculty load hours \_\_\_\_\_

Equalized credit hours \_\_\_\_\_

Official copy and approval sheet filed \_\_\_\_\_  
Date

[Signature]  
Signature, Executive Vice-President/Provost

Registrar

Approved course description received 15 Mar 95  
Date

Hegis Taxonomy and Course Number assigned Liby. 0410.210

[Signature]  
Signature, Registrar

15 Mar 95  
Date

Notification forwarded:

- Senate Curriculum Committee Chairperson
- Department Chairperson(s)
- Academic Dean(s)
- Registrar
- Sponsor(s)

etc.

MINOR CURRICULAR CHANGE  
CHANGE IN HEGIS NUMBER & CHANGE IN CATALOG DESCRIPTION

1. **Details:**

a. **Change Requested:**

From: 0410.410 Anatomy and Physiology I  
To: 0410.2XX Anatomy and Physiology I

Old Catalog Description:

0410.410 Anatomy and Physiology I 4 s.h.  
This course offers a molecular, cellular and systematic approach to the structure and function of the component units and organizational systems of humans. Emphasis is placed on membrane physiology and the skeletal, molecular, and digestive and circulatory systems.

New [Proposed] Catalog Description:

0410.2XX Anatomy and Physiology I 4 s.h.  
This laboratory course focuses on the gross and microscopic structure and function of the body. The course is the first semester of a two-semester sequence that covers all of the functional systems of the human organism. In this course, the general characteristics of cells and tissues will be covered. The systems of the body to be studied in detail include the integumentary, skeletal, muscular, and nervous systems.

- b. **Sponsors:** Department of Biological Sciences  
Joanne Scott, Ph.D., Undergraduate Academic Advisor  
Richard J. Meagher, PhD., Department Chairperson

2. **Rationale:**

a. **Statement of Need:**

Last year the Curriculum Committee (and the Rowan Administration) agreed to delete the prerequisites for Anatomy and Physiology I and include it in the Gen Ed laboratory science bank. In keeping with that inclusion, we requested at the time that the HEGIS number be changed to a 200-level. Such a change was not implemented. This proposal is essentially a "second request".

The change in catalog description is part of an overall effort within the Department to revise our catalog descriptions and have them more reflective of course content. Over the years, some topics have been shifted between Human Anatomy & Physiology I and II. The new description is accurate with respect to which topics are covered in which semester.

b. Statement of Curricular Effect:

None. (Although the students may find the new course number less intimidating!)

3. Results of Consultation:

All consultation regarding the HEGIS number change took place last year, when the proposal was first submitted.

Consultation regarding the revision of the catalog description was intradepartmental. The revised descriptions were written by those instructors who have taught the course for several years.

# HUMAN ANATOMY & PHYSIOLOGY I

## Course Syllabus

### Objectives of the Course

This laboratory course focuses on the gross and microscopic structure and function of the body. The course is the first semester of a two-semester sequence that covers all of the functional systems of the human organism. In this semester, the general characteristics of cells and tissues will be covered. The systems of the body to be studied in detail include the integumentary, skeletal, muscular, and nervous systems. The remaining systems are covered in the second semester.

### General Course Goals

- Describe the characteristics of living organisms
- Review the basics of cell physiology
- Describe the fundamentals of histology (the study of tissues)
- Study the listed systems of the body from anatomical and physiologic perspectives
- Discuss the common pathology associated with these systems
- Develop an understanding of the extraordinary interaction of the functional systems of the body

### Specific Course Goals

Upon successful completion of this course, the student will be able to demonstrate an understanding of the:

- basic physiology of the cell and all of the principle organelles
- basic human tissue types, and their characteristics
- structure and function of the integumentary system, including the skin and all of its derivatives
- macroscopic structure of osseous tissue, and the names and major markings of approximately 100 bones in the body
- structure and function of the muscular system, including the micro- and macroscopic structure of the 3 types of muscular tissues, and the names, locations, and functions of approximately 30 skeletal muscles
- structure and function of the nervous system, including the micro- and macroscopic structure of the brain, spinal cord, spinal and cranial nerves, and the functions within the nervous system

### Course Outline

- Introduction
- Cells
- Histology (tissues)
- Integumentary System
- Skeletal System
- Muscular System
- Nervous System

This is a laboratory course generally presented in a classical lecture format, with a laboratory scheduled for each week. Laboratory exercises include considerable work with the microscope, practice with bones and whole skeleton, and dissection of preserved specimens. Classroom discussion is encouraged as part of the general learning process. The use of overhead materials, slides, and models is encouraged.

### **Student Evaluation**

There will be at least 5 exams give (more may be given at the instructor's discretion); the exams will not be cumulative. A portion of the final grade for the course will be based on performance in the laboratory and on quizzes, the contributions of the students in class, and any supplemental work the instructor assigns.