



Approval Form

Proposal Title: Human Anatomy & Physiology II 11/15/94

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/catalog change)

Undergraduate Graduate 4 Credit Hours

<p>Step 1 (Department)</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>10/17/94</u> Date</p> <p><u>R.J. Meagher</u> Dept. Chairperson</p>	<p>Step 2 (Receipt)</p> <p><input checked="" type="checkbox"/> SCC# <u>94-95-43</u></p> <p>Proposal Received _____ Date _____</p> <p style="text-align: center;">SENATE</p> <p style="text-align: center;">OCT 20 1994</p> <p style="text-align: center;">RECEIVED</p> <p><u>Ronald J. Zardo</u> SCC Chairperson</p>	<p>Step 3 (School CC)</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>Joanne Scott</u> School Curr Comm Chairperson</p>
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<p>Step 4 (Academic Dean)</p> <p><input type="checkbox"/> Recommend <input type="checkbox"/> Not Recommend <input type="checkbox"/> Conditionally Recommend (see comments)</p> <p>Reviewed _____ Date</p>	<p style="text-align: center;">Comments:</p> <p style="text-align: center;">SENATE</p> <p style="text-align: center;">DEC 15 1994</p> <p style="text-align: center;">RECEIVED</p> <p>_____ Signature, Dean of School</p>	<p style="text-align: right;">SENATE</p> <p style="text-align: right;">DEC 14 1994</p> <p style="text-align: right;">RECEIVED</p>
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Step 5 (SCC)

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

Returned to sponsor(s) for the following reasons:

Step 6 (Senate)

Presented to Senate 3/1/95 Date Approved Not Approved

Notification to Executive Vice President/Provost 3/21/95 Date Ronald J. Zardo Signature, SCC Chairperson

Step 7 (Executive V.P./Provost)

Received 4/5/95
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

Donald Cepkett
Signature, Executive Vice-President/Provost

Registrar

Approved course description received 8 May 95
Date

Hegis Taxonomy and Course Number assigned 0410-012

B. J. Kelsey
Signature, Registrar

8 May 95
Date

Notification forwarded:

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

MINOR CURRICULAR CHANGE
CHANGE IN HEGIS NUMBER, CHANGE IN CATALOG DESCRIPTION,
AND DELETION OF PREREQUISITES

1. **Details:**

a. **Change Requested:**

From: 0410.412 Anatomy and Physiology II
To: 0410.2XX Anatomy and Physiology II

Old Catalog Description:

0410.412 Anatomy and Physiology II 4 s.h.
(Prerequisite: 0.410.2XX)

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 the nervous, respiratory, excretory, endocrine and reproductive systems.

New [Proposed] Catalog Description:

0410.2XX Anatomy and Physiology II 4 s.h.

This laboratory course focuses on the gross and microscopic structure of the body. The course is the second semester of a two-semester sequende that covers all of the functional systems of the human organism. In this course, the systems of the body to be studied in detail include the endocrine, cardiovascular, respiratory, excretory, digestive, and reproductive systems. Whole body metabolism and fluid balance will also be studied.

- 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. Although A&P II is not a Gen Ed course, the Department feels that it would be appropriate to give it a "matching" 200-level HEGIS number, since the 2 courses are offered in a series.

HUMAN ANATOMY & PHYSIOLOGY II

Course Syllabus

Objectives of the Course

This laboratory course focuses on the gross and microscopic structure of the body. The course is the second semester of a two-semester sequence that covers all of the functional systems of the human organism. In this semester, the systems of the body to be studied in detail include the endocrine, cardiovascular, respiratory, excretory, digestive, and reproductive systems. Whole body metabolism and fluid balance will also be studied.

General Course Goals

Continue the study of the functional systems of the body
Study the listed systems of the body from anatomical and physiologic perspectives
Discuss the common pathology associated with these systems
Further develop an understanding of the extraordinary interaction of the functional systems of the body
Gain an appreciation that the body is truly much more than the sum of all of its systems

Specific Course Goals

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

structure and function of the endocrine system, including all of its glands and hormones
structure and function of the cardiovascular system, including normal and common pathological conditions
structure and function of the respiratory system, including the risks of smoking
structure and function of the excretory system
structure and function of the digestive system, including the basics of good nutrition
structure and function of the reproductive system, including the anatomy and physiology of fertilization and the developing embryo/fetus
basic concepts of metabolism and fluid balance in the body

Course Outline

Endocrine System
Cardiovascular System
Respiratory System
Excretory System
Digestive System
Reproductive System
Metabolism and Fluid Balance

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 A&P I and A&P 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!)

Reducing the HEGIS number from 400-level to 200-level would typically suggest that the syllabus is being switched from one appropriate for a senior-level course to one that is appropriate for a sophomore-level course. Actually, the 400-level HEGIS numbers for A&P I and A&P II are currently inappropriate. The course is typically taken by Sophomores, and in the community colleges is often taken by Freshmen. The syllabus will not need to be changed with respect to academic level.

3. **Results of Consultation:**

All consultation regarding the HEGIS number changes took place last year, when the proposal for A&P I was first submitted. The Biological Sciences Department faculty agree that A&P II should have a HEGIS number that "matches" A&P I.

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.

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.