

Faculty Senate Curriculum Committee

Approval Form

2315

Proposal Title: Human Anatomy and Physiology I
Human Anatomy and Physiology II

Sponsor(s): Dr. Richard J. Meagher Dept.: Life Sciences 11/18/87

Check one: Course Specialization Concentration Achievement Certificate
 Certification Program Major Program Minor Change
(please name: deletion or credit/title/catalog change)

Undergraduate Graduate _____ Credit Hours

<p>Step 1 (Department)</p> <p><input checked="" type="checkbox"/> Approved <u>11/24/86</u> Date</p> <p><input type="checkbox"/> Not Approved</p> <p><u>[Signature]</u> Dept. CC Chairperson</p> <p><input type="checkbox"/> Reviewed <u>11/24/86</u> Date</p> <p><u>[Signature]</u> Chairperson, Dept.</p>	<p>Step 2 (Receipt)</p> <p>SCC# <u>SC-11-72</u></p> <p>Proposal Received <u>12/1/86</u> Date</p> <p><u>[Signature]</u> Chairperson, SCC</p>	<p>Step 3 (School CC)</p> <p>Reviewed <u>9/3/87</u> Date</p> <p><input checked="" type="checkbox"/> Approved</p> <p><input type="checkbox"/> Not Approved</p> <p>Comments: <u>This is a revision of the original proposal.</u></p> <p><u>[Signature]</u> Chairperson, School Curr. Comm.</p>
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Step 4 (Academic Dean) **Comments:**

Reviewed 3-12-87
Date

[Signature]
Signature, Dean of School

Step 5 (SCC)

Open Hearing 4/26
Date

Approved by Senate Curriculum Committee 4/26/88
Date

Returned to sponsor(s) for the following reasons:

Step 6 (Faculty Senate)

Presented to Faculty Senate : 5/6/88
Date

Approved Not Approved

Notification to Vice-President Academic Affairs 5/10/88
Date

[Signature]
Signature, SCC Chairperson

OK, 3/28/89
ECC

COURSE OUTLINE-HUMAN ANATOMY AND PHYSIOLOGY 1

INTRODUCTION TO THE HUMAN BODY
ANATOMY AND PHYSIOLOGY-DEFINED
ANATOMICAL POSITION AND REGIONAL NAMES
PLANES
DIRECTIONAL TERMS

CHEMICAL LEVEL OF ORGANIZATION
PERIODIC TABLE-ELEMENTS
ATOMS
BONDING-IONIC; COVALENT; AND HYDROGEN
ORGANIC COMPOUNDS-CARBOHYDRATES; FATS ;LIPIDS; PROTEINS

CELL
CELL MEMBRANE PHYSIOLOGY
TRANSPORT-ACTIVE; PASSIVE; FACILITATED DIFFUSION
ORGANELLES
CELL REPLICATION-MITOSIS; MEIOSIS

TISSUE LEVEL OF ORGANIZATION
TYPES OF TISSUES-EPITHELIAL(SIMPLE; STRATIFIED); CONNECTIVE TISSUE;
SKELETAL TISSUE; BLOOD; MUSCLE; NERVOUS TISSUE.

INTEGUMENT
EPIDERMIS
DERMIS

SKELETAL TISSUE
COMPACT BONE
SPONGY BONE
BONE FORMATION-ENDOCHONDRAL AND INTERMEMBRANEUS
TYPES OF BONE SURFACE MARKINGS
DIVISIONS OF THE SKELETAL SYSTEM
JOINTS-TYPES AND MOVEMENTS.

MUSCLE
TYPES
SKELETALMUSCLE; CARDIAC MUSCLE; SMOOTH MUSCLE
MUSCLE CONTRACTION-SKELETAL
(ALL OR NONE)

ISOTUNIC AND ISOMETRIC
SMOOTH MUSCLE CONTRACTION.

DIGESTIVE SYSTEM

ORGANS
MECHANICAL AND CHEMICAL DIGESTION
CONTROL OF SECRETIONS
METABOLISM
CATABOLISM AND ANABOLISM
ANAEROBIC AND AEROBIC GLYCOLYSIS
LIPID METABOLISM
PROTEIN METABOLISM

CIRCULATION
BLOOD-COMPONENTS OF
HEART
CARDIAC REGULATION
BLOOD VESSELS-ARTERIES, CAPILLARIES, VEINS
LYMPHATIC SYSTEM-VESSELS, NODES, ORGANS, CIRCULATION
IMMUNITY-SPECIFIC AND NONSPECIFIC DEFENSES
(T AND B CELLS)

HUMAN ANATOMY AND PHYSIOLOGY II

NERVOUS SYSTEM
NEURONS NEUROGLIA CELLS
MEMBRANE POTENTIAL
SALATATORY CONDUCTION
NERVE TRANSMISSION
TRANSMITTER SUBSTANCES
CNS-BRAIN, SPINAL CHORD
SENSORY CORPUSCLES
SYSPATHETIC AND PARASYMPATHETIC SYSTEMS
SPECIAL SENSES

ENDOCRINE SYSTEM
EXOCRINE AND ENDOCRINE GLANDS
HORMONES-FUNCTION
ROLE OF CYCLIC AMP
REPRODUCTIVE ENDOCRINOLOGY
MALE AND FEMALE REPRODUCTIVE SYSTEMS
EJACULATION AND OVULATION

KIDNEYS
GLOMERULAR FILTRATION, SECRETION AND REABSORPTION
URETERS
URINARY BLADDER

URETHRA
FUNCTION, REGULATION DISTRIBUTION OF ELECTROLYTES
ACID-BASE BALANCE
BUFFER SYSTEMS
ACIDOSIS AND ALKALOSIS

RESPIRATION
ORGANS
INSPIRATION AND EXPIRATION
TRANSPORT OF GASES
RESPIRATORY CONTROL
LAWS -BOYLES, CHARLES DALTONS AND HENRYS.



Thomas C. Monahan (609)863-5312
Assistant to the Executive VP/Provost

[Faint, illegible handwritten text]

Adm. Building • Glassboro State College • Glassboro, NJ 08045

HUMAN ANATOMY AND PHYSIOLOGY I
HUMAN ANATOMY AND PHYSIOLOGY II

Details:

- A. Course Title: Human Anatomy and Physiology I
Human Anatomy and Physiology II
- B. Sponsor: Dr. Richard J. Meagher
Life Science Department
- C. Course Level: Sophomore, 4 s.h./semester
- D. Curricular Effect: (1) Life Sciences elective
(2) Suggested course for students
in Home Economics and for students in
Allied Health fields
- E. Prerequisites: Human Anatomy and Physiology I - Biology I
Human Anatomy and Physiology II -
Human Anatomy and Physiology I
- F. Implementation: September 1988
- G. Present Adequacies: Present staff within the Life Sciences
Department is adequate. Library resources and facility and
space needs in the Department of Life Sciences for laboratory
activities are adequate.

2. Rationale:

Human Anatomy and Physiology I and Human Anatomy and Physiology II are proposed as 4 s.h. each, lecture and laboratory. They will be offered by the Department of Life Sciences with Life Sciences Hegis numbers. These courses would be beneficial both for the Life Science major and for any other majors interested in the allied health fields. Also, the Home Economics Department has stated that this course will be beneficial to its majors.

3. Essence:

A mechanism for increasing awareness of the human perspective is achieved by comparing similarities and dissimilarities of humans with other animals. This knowledge contributes to our mental, physical and social well being.

We expect the student to become familiar and increase his/her knowledge of:

- (1) the body as a whole: morphological and functional relationship and organization.
 - (a) the chemical level of organization
 - (b) the cellular level of organization
 - (c) the tissue level of organization
 - (d) the integumentary system
- (2) the principle of support and movement
 - (a) the skeletal system
 - (b) the muscular system
- (3) the control systems of the human body
 - (a) the nervous system
 - (b) the special senses
 - (c) the endocrine system
- (4) the maintenance of the human body
 - (a) the blood and cardiovascular system
 - (b) the lymphatic system
 - (c) the respiratory system
 - (d) the digestive system (including metabolism and catabolism)
 - (e) the urinary system (including fluid, electrolyte and acid-base dynamics)
- (5) the structural and functional relationships for human reproduction and development
- (6) the fact that the above-mentioned systems must function together, not independently. To make them aware that if one system shuts down, they will all begin to shut down.

B. Topical Outline

Lectures

Anatomy and Physiology I

1. Introduction to Anatomy and Physiology

Terminology
Anatomical position
Anatomical directions
Planes
Axes

2. Cell Anatomy and Physiology

General cell structure
Organelles
Cellular metabolism
Transport mechanisms
Cell replication

3. Skeletal System

Anatomy

Types of bones
Structure
Markings
Skeletal divisions

Physiology

Bone formation
Articulations and movement

4. Muscular System

Anatomy

Microscopic structure
Macroscopic structure
Connective tissue
Nerve supply
Origins
Insertions

Physiology

Membrane potential
Action potential
Depolarization
Contraction

Laboratory

1. Terminology, etc.

2. Cell and Organelles
3. Cell Transport
4. Mitosis

5. Skull and Vertebrae
6. Appendages

7. Muscle Dissection
8. Identification
9. Physiograph--
Muscle Twitch and
Characteristics
10. Synaptic Transmission

Lectures

5. Digestive System

Anatomy

Tissues
Organs
Gastrointestinal tract

Physiology

Mechanical digestion
Chemical digestion
Digestive secretions
Absorption

Metabolism

Aerobic
Anaerobic

6. Respiratory System

Anatomy

Airway passages
Thoracic cavity
Lungs

Physiology

Pulmonary ventilation
Air exchange
Gas principles
External respiration
Internal respiration
Regulation

Laboratory

11. Dissection of
Digestive System

12. Dissection of
Respiratory System

Lectures

Laboratory

Anatomy and Physiology II

1. Nervous System

Anatomy

Types of cells
Neurons
Central nervous system
Brain
Spinal cord
Peripheral nervous system
Special senses

Physiology

Nerve impulse
Saltatory conduction
Special senses

2. Cardiovascular System

Blood

Anatomy

Heart
Blood vessels
Circulation

Physiology

Control mechanisms
Heart
Blood pressure
Pulse

Lymphahtic system

Lymph and interstitial
fluid
Lymph circulation
Lymph nodes
Lymphatic drainage
Spleen and thymus

Immunology

1. Dissection of Nervous System
2. Vision
3. Audition
4. Taste and Smell
5. Reflexes

6. Dissection of Circulatory System
7. Cardiac Muscle Physiology
8. ECG

Lectures

Laboratory

3. Urinary System

9. Dissection

Anatomy

Kidneys
Ureters
Bladder
Urethra

Physiology

Glomerular filtration
Urine formation and
elimination
Electrolyte balance
Acid-base balance

4. Endocrine System

Anatomy

Endocrine glands

Physiology

Hormone synthesis
Hormonal release
Hormonal activity at
target site

5. Reproductive System

10. Dissection

Reproduction of cells

DNA
Meiosis
Spermatogenesis
Oogenesis
Male reproductive system
Female reproductive system

Human Anatomy and Physiology (catalog description):

2 lecture periods; 1 laboratory period

Human Anatomy and Physiology I: Molecular, cellular and systematic approach to the structure and function of the component units and organizational systems of humans. Emphasis will be placed on membrane physiology and the skeletal, muscular, digestive and circulatory systems.

Prerequisite: Biology I

Human Anatomy and Physiology II: Molecular, cellular and systematic approach to the structure and function of the component units and organizational systems of humans. Emphasis will be placed on the nervous, respiratory, excretory, endocrine and reproductive systems.

Prerequisite: Human Anatomy and Physiology I



GLASSBORO STATE COLLEGE

Office of the Executive Vice President/Provost

Glassboro, New Jersey 08028-1701 (609) 863-5318

March 29, 1988

TO: Brenda Bolay
FROM: Adelan Tinsley, Executive Vice President/Provost
SUBJ: Anatomy and Physiology I and II

A handwritten signature in black ink, appearing to be 'AT'.

Attached please find a memo to me from Dan Stanley regarding the above referenced courses. I hope this will be helpful to you.

DA
att:amen



GLASSBORO STATE COLLEGE

Health and Physical Education Department

Glassboro, New Jersey 08028-1756
(609) 863-7114

TO: Dr. Adrian Tinsley
FROM: *Daniel P. Stanley*
Dr. Daniel P. Stanley, Chair
Health & Physical Education Department
RE: Anatomy and Physiology I and II
DATE: March 25, 1988

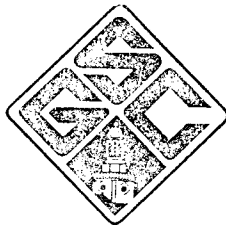
After extensive discussion with all faculty members involved with our major programs, we have decided that a lab course is just one of those luxury dreams that cannot be realized at this time. Therefore, our department will in good faith

1. Withdraw our curriculum proposal for a laboratory course for our department.
2. Mandate that all our teaching certification students complete a four hour Biology I with lab course from Life Science.
3. Continue to require a minimum of 12 semester hours of Life Science course for all Athletic Training and Pre-Physical Therapy students.

We will continue to teach Structure and Function I and II, 6 s.h., staffed by Bill Fritz and Ed Chaloupka or other qualified department members.

DPS/hc

cc: Dr. Marion Rilling



GLASSBORO STATE COLLEGE

Home Economics Department Glassboro, New Jersey 08028-1755 (609) 863-7041

March 7, 1988

Dr. Richard Meagher, Chairman
Department of Life Sciences

Dear Dick,

I have reviewed the course proposal for Human Physiology and Anatomy I and II with great interest.

I am particularly pleased with the thoroughness of course content and the appropriateness of the courses for the Dietetic Specialization majors in the Home Economics Department.

Based on the quality of the courses as outlined and their suitability for students in departments other than your own, I am pleased to support this proposal.

Sincerely,

Lois I. Winand, Ed.D., R.D.
Chairperson

LLW/mj

cc: Brenda Bolay



GLASSBORO STATE COLLEGE

Faculty Senate

Glassboro, New Jersey 08028-1701 (609)863-5244

February 10, 1988

To: Dr. Richard Meagher

From: Dr. Brenda Rolay,
Chairperson, Curriculum Committee

I am returning the following curriculum proposals to you:

Human Anatomy and Physiology I & II

Consider that it is officially withdrawn from the curriculum process. If further action is deemed necessary, it would be appropriate to update the materials and re-submit the proposal. Remember that March 9, 1988 is the deadline for this Spring, 1988 semester.

BB/rw

cc: Dr. M. Doskow



GLASSBORO STATE COLLEGE

Life Sciences Department

Glassboro, New Jersey 08028-1768 (609) 863-6181

February 17, 1988

Dr. Brenda Bolay
Chairperson
All-College Curriculum Committee
Faculty Senate Office
Savitz Library
Glassboro State College

Dear Dr. Bolay:

This is to inform you that I do not wish to withdraw the course proposal "Human Anatomy and Physiology I and II". Therefore, it is being returned to the All-College Curriculum Committee.

Sincerely,

Richard J. Meagher, Ph.D.
Chairperson
Life Science Department

RJM/ehd
enc.



GLASSBORO STATE COLLEGE
Faculty Senate

FEB 24 RECD

Glassboro, New Jersey 08028-1701 (609)863-5244

February 22, 1988

To: Dr. Richard Meagher, Chairperson
Life Science

From: Dr. Brenda Bolay, Chairperson
Senate Curriculum Committee

RE: Human Anatomy and Physiology I and II Course Proposals

Since you do not wish to withdraw the course proposals for Human Anatomy and Physiology I and II, it would be appropriate to comply with the requests of the Senate Curriculum Committee in my letter to Dr. Tinsley of March 27, 1987. A copy of the letter was sent to you.

Your course proposal will be scheduled for an Open Hearing when you submit letters of consultation showing agreement with the statements in the proposal from Home Economics and Health and Physical Education. It would be appropriate to show consultation and concurrence from the Deans of both Liberal Arts and Sciences and Professional Studies. Before I schedule an Open Hearing, it would also be best to update the implementation date to Fall, 1988 or Spring, 1989 as opposed to Fall, 1987.

When the above change is made and consultations are sent to me, I will then call you to request that you send sixty (60) copies to the Senate Office.

If there are other problems or concerns, please contact me (6583).



GLASSBORO STATE COLLEGE

Office of the Executive Vice President/Provost

Glassboro, New Jersey 08028-1701 (609) 863-5318

November 1, 1989

TO: Dick Meagher, Chair, Life Sciences

FROM: Thomas C. Monahan, Executive Assistant to the Provost *TCM*

Attached find a memo I received from Ed Chaloupka regarding the Anatomy and Physiology I and II debate. If possible, would you take the necessary action to resolve the matter. If not, then perhaps it would be advisable to include Deans Dосkow and Kapel.

Under separate cover, I am sending the documentation that I have to Joe Tischler, Minna Dосkow and Dave Kapel.

ev
attachment
cc: Ed Chaloupka



GLASSBORO STATE COLLEGE

Health and Physical Education Department Glassboro, New Jersey 08028-1756
(609) 863-7114

October 30, 1989

THE PRESIDENT/PROVOST
OCT 31 1989
GLASSBORO STATE COLLEGE

TO: Thomas C. Monahan, Executive Assistant to the Provost
FROM: Edward C. Chaloupka, Department of HPE *ECC*
RE: Ongoing Anatomy and Physiology I and II
Situation
DATE: October 26, 1989

In response to your memo to Joe Tischler of 10/24/89, I am seeking evidence that the course content for Anatomy and Physiology I and II that I wrote is removed from the document on file in your office and replaced by what Dick Meagher revised. As of now I have no such evidence. It appears that the only official college record still shows my work.

The copy of Dick Meagher's revision I initiated 3/28/89 was to officially replace my work on file in your office.

I would like to see a photocopy of the entire course proposal with Dick Meagher's revision included; (and my work removed) which should be the official record in your office.

The memo from Dick Meagher to Brenda Bolay of 4/4/89 which you sent me a copy of today was the first time I saw the memo. I would have hoped that I would have received a copy of the memo from Dick Meagher at the time it was sent to Brenda.

Again, dealing in good faith in this matter seems not to reap any rewards. To end this situation, I would appreciate a copy of what I requested above and I look forward to hearing from you.

ECC/bs

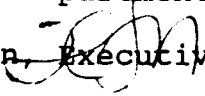


GLASSBORO STATE COLLEGE

Office of the Executive Vice President/Provost

Glassboro, New Jersey 08028-1701 (609) 863-5318

October 24, 1989

TO: Joseph Tischler, Department of Art
FROM: Thomas C. Monahan,  Executive Assistant to the Provost
RE: Human Anatomy and Physiology

Attached find all the correspondence in the files of this office on the matter. As I indicated to you and Dick on Wednesday, October 18, 1989, I do not recall any correspondence from Curriculum Committee indicating that an agreement had been reached.

Reflecting back on the matter, I am uncertain as to what it is that Ed is seeking; it appears that he has "O.K.'d" the course outline you showed to me.

I hope this is helpful.

ev

cc: R. Meagher
E. Chaloupka



GLASSBORO STATE COLLEGE

Office of the Executive Vice President/Provost

Glassboro, New Jersey 08028-1701 (609) 863-5318

May 8, 1989

TO: Joseph Tishler, Department of Art *etm*
FROM: Thomas C. Monahan, Executive Assistant to the Provost

By chance, I ran into Ed Chaloupka the other day and discussed briefly with him the changes in the course outline for Human Anatomy and Physiology. He has indicated to me that, as far as he is concerned, this matter is not closed. He indicated that Dick Meagher had promised to prepare some written materials and share them with him. To date, he has not received any such materials.

I would appreciate your getting back to Ed Chaloupka to determine what it is that is needed. Thereafter, you can apprise me of the situation.

ev
cc: B. Bolay
E. Chaloupka
R. Meagher

DEPARTMENT OF ART
863-7081

Memo

April 27, 1989

OF THE EXECUTIVE
PRESIDENT/PROVOST

MAY 01 1989

CLASSBORO STATE COLLEGE

Mr. Thomas Minahan
Assistant to the Provost

Dear Tom:

Please pardon this hand written note. Here is a photocopy of the revised Course Outline - Human Anatomy & Physiology. Note that Mr. Chaloupka initiated them.

I think he is waiting for official confirmation that the revision was made and accepted. I would appreciate your sending him such confirmation so that the dispute can be ended. Thank you.

Yours,

Joseph Tivler, Chair
Senate Professional Ethics Committee

TO: Dr. Brenda Bolay, Chairperson
All-College Curriculum Committee
Dr. Thomas Monahan
Assistant to the Provost

FROM: Richard J. Meagher, Chairperson
Life Sciences Department

RE: For Your Information

DATE: April 4, 1989

Enclosed please find the course outline for Human Anatomy and Physiology I and II. This outline reflects minor revisions for the above-mentioned course, but which, in no way, alter the basis of the course. Human Anatomy and Physiology I will be offered during the Fall 1989 semester.

RJM/ehd
enc.

OK, 3/28/89
ECC

COURSE OUTLINE-HUMAN ANATOMY AND PHYSIOLOGY 1

**INTRODUCTION TO THE HUMAN BODY
ANATOMY AND PHYSIOLOGY-DEFINED
ANATOMICAL POSITION AND REGIONAL NAMES
PLANES
DIRECTIONAL TERMS**

**CHEMICAL LEVEL OF ORGANIZATION
PERIODIC TABLE-ELEMENTS
ATOMS
BONDING-IONIC; COVALENT; AND HYDROGEN
ORGANIC COMPOUNDS-CARBOHYDRATES; FATS ;LIPIDS; PROTEINS**

**CELL
CELL MEMBRANE PHYSIOLOGY
TRANSPORT-ACTIVE; PASSIVE; FACILITATED DIFFUSION
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**TISSUE LEVEL OF ORGANIZATION
TYPES OF TISSUES-EPITHELIAL(SIMPLE; STRATIFIED); CONNECTIVE TISSUE;
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EPIDERMIS
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(ALL OR NONE)**

ISOTONIC AND ISOMETRIC
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DIGESTIVE SYSTEM

ORGANS

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CONTROL OF SECRETIONS

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LAWS -BOYLES, CHARLES DALTONS AND HENRYS.



GLASSBORO STATE COLLEGE

Office of the Executive Vice President/Provost

Glassboro, New Jersey 08028-1701 (609) 863-5318

January 22, 1990

TO: Ed Chaloupka, Department of Health & Physical Education
FROM: Tom Monahan, Executive Assistant to the Provost
RE: Anatomy and Physiology I and II

As per the agreement that apparently has been reached between you and Richard Meagher, I am providing the following information to document the outline for the subject course work. The official file now on record in the Office of the Executive Vice President and Provost shows the attached outline as the official outline for these courses. I hope this resolves this matter.

cc: Richard Meagher
Joseph Tischler

Faculty Senate Curriculum Committee

Approval Form

23b

Proposal Title: Human Anatomy and Physiology I
Human Anatomy and Physiology II

Sponsor(s): Dr. Richard J. Meagher Dept.: Life Sciences Et 682

Check one: Course Specialization Concentration Achievement Certificate
 Certification Program Major Program Minor Change
(please name: deletion or credit/title/catalog change)

Undergraduate Graduate _____ Credit Hours

<p>Step 1 (Department)</p> <p><input checked="" type="checkbox"/> Approved <u>11/24/86</u> Date</p> <p><input type="checkbox"/> Not Approved <u>[Signature]</u> Dept. CC Chairperson</p> <p><input type="checkbox"/> Reviewed <u>11/24/86</u> Date</p> <p><u>[Signature]</u> Chairperson, Dept.</p>	<p>Step 2 (Receipt)</p> <p>SCC# <u>86-87-42</u></p> <p>Proposal Received <u>12/23/86</u> Date</p> <p><u>[Signature]</u> Chairperson, SCC</p>	<p>Step 3 (School CC)</p> <p>Reviewed <u>9/3/87</u> Date</p> <p><input checked="" type="checkbox"/> Approved</p> <p><input type="checkbox"/> Not Approved</p> <p>Comments: This is a revision of the original proposal</p> <p><u>[Signature]</u> Chairperson, School Curr. Comm.</p>
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Step 4 (Academic Dean) **Comments:**

0

Reviewed 3-12-87
Date

[Signature]
Signature, Dean of School

Step 5 (SCC)

Open Hearing 4/26 Approved by Senate Curriculum Committee 4/26/88
Date

Returned to sponsor(s) for the following reasons:

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Notification to Vice-President Academic Affairs 5/10/88 [Signature]
Date Signature, SCC Chairperson

OK, 3/28/89
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DIGESTIVE SYSTEM

ORGANS

MECHANICAL AND CHEMICAL DIGESTION

CONTROL OF SECRETIONS

METABOLISM

CATABOLISM AND ANABOLISM

ANAEROBIC AND AEROBIC GLYCOLYSIS

LIPID METABOLISM

PROTEIN METABOLISM

CIRCULATION

BLOOD-COMPONENTS OF

HEART

CARDIAC REGULATION

BLOOD VESSELS-ARTERIES, CAPILLARIES, VEINS

LYMPHATIC SYSTEM-VESSELS, NODES, ORGANS, CIRCULATION

IMMUNITY-SPECIFIC AND NONSPECIFIC DEFENSES

(T AND B CELLS)

HUMAN ANATOMY AND PHYSIOLOGY II

NERVOUS SYSTEM

NEURONS NEUROGLIA CELLS

MEMBRANE POTENTIAL

SALVATORY CONDUCTION

NERVE TRANSMISSION

TRANSMITTER SUBSTANCES

CNS-BRAIN, SPINAL CHORD

SENSORY CORPUSCLES

SYMPATHETIC AND PARASYMPATHETIC SYSTEMS

SPECIAL SENSES

ENDOCRINE SYSTEM

EXOCRINE AND ENDOCRINE GLANDS

HORMONES-FUNCTION

ROLE OF CYCLIC AMP

REPRODUCTIVE ENDOCRINOLOGY

MALE AND FEMALE REPRODUCTIVE SYSTEMS

EJACULATION AND OVULATION

KIDNEYS
GLOMERULAR FILTRATION, SECRETION AND REABSORPTION
URETERS
URINARY BLADDER

URETHRA
FUNCTION, REGULATION DISTRIBUTION OF ELECTROLYTES
ACID-BASE BALANCE
BUFFER SYSTEMS
ACIDOSIS AND ALKALOSIS

RESPIRATION
ORGANS
INSPIRATION AND EXPIRATION
TRANSPORT OF GASES
RESPIRATORY CONTROL
LAWS -BOYLES, CHARLES DALTONS AND HENRYS.



GLASSBORO STATE COLLEGE

Health and Physical Education Department Glassboro, New Jersey 08028-1756
(609) 863-7114

TO: Dr. J. Tischler
FROM: Dr. E. Chaloupka *EC Chaloupka*
RE: Ongoing Anatomy and Physiology I and II
DATE: January 11, 1990

Please find attached my letter of 10/30/89 to Dr. Monahan. I would consider this matter closed if I were forwarded the material I requested from Dr. Monahan.

To date, the above has not occurred. I personally would very much like to see the resolution of this situation.

EC/bs



GLASSBORO STATE COLLEGE

Health and Physical Education Department

Glassboro, New Jersey 08028-1756
(609) 863-7114

October 30, 1989

TO: Thomas C. Monahan, Executive Assistant to the Provost
FROM: Edward C. Chaloupka, Department of HPE *ECC*
RE: Ongoing Anatomy and Physiology I and II
Situation
DATE: October 26, 1989

In response to your memo to Joe Tischler of 10/24/89, I am seeking evidence that the course content for Anatomy and Physiology I and II that I wrote is removed from the document on file in your office and replaced by what Dick Meagher revised. As of now I have no such evidence. It appears that the only official college record still shows my work.

The copy of Dick Meagher's revision I initiated 3/28/89 was to officially replace my work on file in your office.

I would like to see a photocopy of the entire course proposal with Dick Meagher's revision included; (and my work removed) which should be the official record in your office.

The memo from Dick Meagher to Brenda Bolay of 4/4/89 which you sent me a copy of today was the first time I saw the memo. I would have hoped that I would have received a copy of the memo from Dick Meagher at the time it was sent to Brenda.

Again, dealing in good faith in this matter seems not to reap any rewards. To end this situation, I would appreciate a copy of what I requested above and I look forward to hearing from you.

ECC/bs



GLASSBORO STATE COLLEGE

Life Sciences Department

Glassboro, New Jersey 08028-1768 (609) 863-6181

TO: Dr. Brenda Bolay, Chairperson
All-College Curriculum Committee
Dr. Thomas Monahan
Assistant to the Provost

FROM: Richard J. Meagher, Chairperson
Life Sciences Department

RE: For Your Information

DATE: April 4, 1989

Enclosed please find the course outline for Human Anatomy and Physiology I and II. This outline reflects minor revisions for the above-mentioned course, but which, in no way, alter the basis of the course. Human Anatomy and Physiology I will be offered during the Fall 1989 semester.

RJM/ehd
enc.

COURSE OUTLINE-HUMAN ANATOMY AND PHYSIOLOGY 1

INTRODUCTION TO THE HUMAN BODY
ANATOMY AND PHYSIOLOGY-DEFINED
ANATOMICAL POSITION AND REGIONAL NAMES
PLANES
DIRECTIONAL TERMS

CHEMICAL LEVEL OF ORGANIZATION
PERIODIC TABLE-ELEMENTS
ATOMS
BONDING-IONIC; COVALENT; AND HYDROGEN
ORGANIC COMPOUNDS-CARBOHYDRATES; FATS ;LIPIDS; PROTEINS

CELL
CELL MEMBRANE PHYSIOLOGY
TRANSPORT-ACTIVE; PASSIVE; FACILITATED DIFFUSION
ORGANELLES
CELL REPLICATION-MITOSIS; MEIOSIS

TISSUE LEVEL OF ORGANIZATION
TYPES OF TISSUES-EPITHELIAL(SIMPLE; STRATIFIED); CONNECTIVE TISSUE;
SKELETAL TISSUE; BLOOD; MUSCLE; NERVOUS TISSUE.

INTEGUMENT
EPIDERMIS
DERMIS

SKELETAL TISSUE
COMPACT BONE
SPONGY BONE
BONE FORMATION-ENDOCHONDRAL AND INTERMEMBRANEOUS
TYPES OF BONE SURFACE MARKINGS
DIVISIONS OF THE SKELETAL SYSTEM
JOINTS-TYPES AND MOVEMENTS.

MUSCLE
TYPES
SKELETALMUSCLE; CARDIAC MUSCLE; SMOOTH MUSCLE
MUSCLE CONTRACTION-SKELETAL
(ALL OR NONE)
TWITCH TETANUS