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5-1-2006

Physical Education: Exercise Physiology

The College at Brockport, College Senate

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SUNY BROCKPORT

College Senate
University of New York College at Brockport
New Campus Drive
Brockport, NY 14420-2925
(585) 395-2586 (Fax) 395-2246

Resolution # 26
2005-2006
COLLEGE SENATE

TO: Dr. John R. Halstead, College President
FROM: The College Senate passed: *May 1, 2006*
RE: ⇨ I. Formal Resolution (*Act of Determination*)
II. Recommendation (*Urging the Fitness of*)
III. Other, For Your Information (*Notice, Request, Report, etc.*)

SUBJ: **Physical Education: Exercise Physiology #41 05-06 UC**

Signed: *[Signature]* Date: 5/4/06
(Dr. Mark Noll, 2005-2006 College Senate President)

Please fill out the bottom portion and return document to the College Senate Office.

TO: The College Senate
FROM: College President

RE: ⇨ I. Decision and Action Taken on Formal Resolution (circle)
a/ Accepted. Resolution Effective Date: 5/16/06
b. Deferred for discussion with the Faculty Senate on ___/___/___
c. Unacceptable for the reasons contained in the attached explanation
II, III. Response to Recommendation or Other/FYI
a. Received and acknowledged ___/___/___
b. Comment: _____

DISTRIBUTED BY PRESIDENT'S OFFICE TO: President's Cabinet

DISTRIBUTE ALSO TO: Originator, Academic Advisement, Registrar (as appropriate)

Signed: *[Signature]* Date: 5/16/06
(Dr. John R. Halstead, College President, SUNY College at Brockport)

**COLLEGE SENATE OFFICE
RESOLUTION PROPOSAL COVER
PAGE**

Routing Number	#41 05-06 UC
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ROUTING NUMBER TO BE ASSIGNED BY SENATE OFFICE

DEADLINE FOR SUBMISSIONS: FEBRUARY 23

Proposals received after the deadline may not be reviewed until next semester.

INSTRUCTIONS:

- Submit proposals individually rather than packets with multiple documents.
- Complete this cover page for each proposal (available online at www.brockport.edu/collegesenate)
- Prepare proposal in Word format using committee guidelines (available online)
- Submit proposal electronically with this cover page to senate@brockport.edu, facprez@brockport.edu
- All updates must be resubmitted to the Senate office with an updated cover page, use routing number
- Questions? Call the Senate office at 395-2586 or the appropriate committee chairperson.

1. PROPOSAL TITLE:

Please be somewhat descriptive, for example, *Graduate Probation/Dismissal Proposal* rather than *Graduate Proposal*.

Changing the Exercise Physiology “Concentration” to an Academic Major in Exercise Physiology.

2. BRIEF DESCRIPTION OF PROPOSAL:

The proposed change to elevate the status of the current Exercise Physiology “Concentration” to an Academic Major in Exercise Physiology involves a four credit hour increase in the total credit hours required and minor changes in course selection. With the status of an Academic Major, Exercise Physiology will be able to seek national accreditation.

3. SUBMISSION & REVISION DATES: PLEASE DATE ALL UPDATED DOCUMENTS

First Submission	Updated on	Updated on	Updated on
February 23, 2006	March 10, 2006	March 27, 2006	

4. SUBMITTED BY: (contact person)

<i>Name</i>	<i>Department</i>	<i>Phone</i>	<i>Email</i>
Dr. Susan Petersen Chair	Physical Education and Sport	585-395-5341	speterse@brockport.edu

5. COMMITTEES TO COPY: (Senate office use only)

<i>Standing Committee</i>	<i>Forwarded To</i>	<i>Date</i>
<input type="checkbox"/> Enrollment Planning & Policies	Committee Chair	3/1/06, 3/30/06
<input type="checkbox"/> Faculty & Professional Staff Policies	Executive Committee	4/10/06
<input type="checkbox"/> General Education & Curriculum Policies	Senate Floor	4/17/06 - vote 5/1/06
<input type="checkbox"/> Graduate Curriculum & Policies	College President	
<input type="checkbox"/> Student Policies	Other	
xx Undergraduate Curriculum & Policies		

*(ROUTING NUMBER WILL BE A CHRONOLOGICAL NUMBER SEQUENCE FOLLOWED BY COMMITTEE INITIALS)

APPENDIX A



PROGRAM ANNOUNCEMENT For Undergraduate Programs

Name of Institution: SUNY College at Brockport **Date:** February 17, 2006
Proposed program title: Major in Exercise Physiology
Proposed degree or other award: Bachelor of Science in Exercise Physiology **Total Crd.:** 66 - 69
If a baccalaureate degree is proposed, will a waiver of external review be requested: (Y/N) Y
Academic unit(s) that will offer program: Department of Physical Education and Sport
Proposed HEGIS code: 1299.30
Proposed beginning date: Fall 2007

Program summary: {As an attachment to this cover, summarize (in 400 words or fewer) the purpose, content, and structure of the proposed program and its relationship to the mission of the institution. Also, complete the draft list of required and elective courses in the major, on the reverse.}

Projected enrollment:	When the program begins	After five years
Full-time students	45	65
Part-time students	0	0

Will program lead to certification/licensure? __Yes XNo **If Yes, in what field or specialty?**

Will special accreditation be sought? XYes __No **If Yes, by what group?** Commission on Accreditation of Allied Health Education Programs (CAAHEP) **By what date?** 2008

Will program or any constituent courses be offered off-campus? XYes __No

If Yes, at what address? Internship sites vary each semester

How much? {Specify number of courses and related credits} 3 credits (one Course)

Via telecommunications? __Yes XNo **If Yes, to what location(s)?**

For more information, contact the following academic officer:

Name: Timothy J. Flanagan, PhD

E-mail: flanagan@brockport.edu

Title: Provost and Vice President for Academic Affairs

Voice: 585-395-2524

Response to Announcement (requested of other State University campuses)

Do you have a similar or related program? What has been your experience with the program?
Would the introduction of this program have any effect, positive or negative, on your institution?
Please specify. Do you perceive a need for this kind of program? Is there opportunity for articulation or inter-institutional cooperation?

The response should be addressed to the proposing campus' President with a copy to the University Provost, The State University of New York, State University Plaza, Albany, NY 12246.

Curriculum

Show the draft list of required and elective courses in the upper and lower divisions of the major. The goal is to provide other campuses and System Administration with a clear sense of the structure and content of the core of the planned program.

REQUIRED DIVISION (57 credits)		ELECTIVE DIVISION (9 – 12 credits: take 3 courses from electives)	
Lower Division Course Titles (8 credits)	Cr	Lower Division Course Titles	Cr
CHM 205 College Chemistry I	4	MTH 201 Calculus I	3
CHM 206 College Chemistry II	4	PHS 201 College Physics I w/ Laboratory	4
		PHS 202 College Physics II w/ Laboratory	4
Upper Division Course Titles (49 credits)	Cr	Upper Division Course Titles	Cr
BIO 321 Anatomy and Physiology	4	PES 350 History of Sport, Play and Exercise	3
BIO 322 Anatomy and Physiology II	4	PES 430 Foundations of Sport and Exercise Psychology	3
PES 325 Kinesiological Bases for Exercise and Sport	4	PES 441 Sport and Society	3
PES 335 Physiological Bases for Exercise and Sport	4	PES 445 Social Psychology of Sport	3
PES 420 Biomechanics	3	PES 446 Sport Spectating in the United States	3
PES 460 Ethics of Sports Contests	3	PES 451 The Modern Olympic Games	3
PEP XXX Strength Training and Conditioning for Athletic Training	3	PES 401 Physical Activity in Adulthood	3
		PES 405 Obesity and Society	3
PES 385 Basic Athletic Training <i>or</i> PEP 379 Athletic Training for Teachers and Coaches	3	PES 439 Motor Learning	3
PES 413 Human Development and Movement	3	PES 495 Directed Study in Exercise Physiology	
HLS 311 Nutrition	3	PES 499 Independent Study in Exercise Physiology	3
HLS 488 Applied Biostatistics and Epidemiology	3	BIO 466 General Endocrinology	3
PES 410 Physiology of Exercise	3	BIO 467 Biochemistry I	3
PES 416 Laboratory Techniques in Exercise Physiology	3	BIO 468 Biochemistry II	3

PEP 361 Cardiac Rehabilitation: Theory and Applications	3		CHM 305 Organic Chemistry I	4
PEP 458 Internship in Exercise Physiology	3		CHM 306 Organic Chemistry II	4
Total	57		Total	9-12
			Grand total	66-69

Note: for proposed elective pool, students can take no more than one course from following cluster:

PES 350 History of Sport, Play and Exercise
PES 430 Foundations of Sport and Exercise Psychology
PES 441 Sport and Society
PES 445 Social Psychology of Sport
PES 446 Sport Spectating in the United States
PES 451 The Modern Olympic Games

External Review: Baccalaureate proposals and some others must provide two external reviews of the proposed program, conducted by recognized experts following the form in Appendix D. The purpose of external review is to provide expert validation of the curriculum and to provide external expertise in developing a program proposal. A campus must generally meet all of the following requirements to receive a waiver of the external review.

To request a waiver, check all the conditions below that apply (type an 'x' between the brackets) and submit any additional documentation to support the request. Please note that System Administration may request additional information as deemed necessary.

- The campus has specific degree authorization at the baccalaureate level in the program discipline; i.e. approval does not require degree authorization or Master Plan Amendment.*
- The program has sufficient faculty leadership already in place. (Identify the program head, credentials, and percentage of time dedicated to the program.)*
- The program is situated in a department (or interdisciplinary center or inter-departmental group) with a minimum of four full-time faculty in the proposal subject, including a department chairperson, experienced in teaching at the baccalaureate level in the discipline area.*
- The program will be reviewed by a college/school curriculum committee, dean or director, and an all-campus educational policy committee.*
- The proposal is not a significant academic departure for the campus or a change in campus mission.*
- No part of the instruction will be offered by a non-degree granting entity.*
- The program does not call for new or experimental pedagogical formats or modes of delivery.*
- The program does not lead to licensure and is not designed to articulate with licensure programs.*
- The program will be subject to regular review by a nationally recognized accrediting body.*

Exercise Physiology Major

Program summary

Purpose

The exercise physiology major is designed to prepare students for employment as cardiac and/or pulmonary rehabilitation specialists, personal trainers, corporate fitness personnel, strength and conditioning coaches, sport research scientists; and for graduate study in exercise physiology, physical therapy, physician assistant school, or related areas. The program also prepares students for certification exams administered by the American College of Sports Medicine, The Cooper Aerobics Institute, and The National Strength and Conditioning Association. The exercise physiology laboratory is equipped to facilitate student learning of metabolic, cardiovascular, and anthropometric testing techniques that will be required in the workplace. Ample curricular opportunities are available to gain experience in the areas of fitness testing, research design and implementation, and exercise program design.

Content

Currently, SUNY Brockport has a major in physical education and sport with a concentration in exercise physiology. The proposed major in exercise physiology is simply a modification of the existing concentration and does not require additional resources or facilities. The content of the baccalaureate degree in exercise physiology includes the General Education requirements of SUNY-Brockport, pre-requisite courses, as well as upper level courses specific to the area of exercise physiology. Our curriculum is based upon standards developed by The American College of Sports Medicine and the CAAHEP accrediting body for exercise science. Upon completion of the required course work and successful completion of an oral exit examination with faculty, students are required to complete a 160 hour off-campus internship designed to give students the opportunity to apply knowledge outside the classroom.

Structure

The B.S. degree in Exercise Physiology will be comprised of standard SUNY Brockport General Education requirements plus the credits associated with the major itself. The majority of general education courses will be completed in the first two years of study. The major itself is comprised of 66-69 credits, which includes courses in the departments of biology, chemistry, physical education and sport, health science, physics and mathematics. 120 total credits will be required to graduate from Brockport with a major in Exercise Physiology. Admission to the Exercise Physiology Major will be open to all interested students. Upon completion of all required coursework in the major, however, students must apply for acceptance into the internship component of the program. Assignment to an internship site is based upon meeting the criteria of: 1) a minimum GPA in the major of 2.5, 2) a minimum of "C" grade in each course in the major, and 3) satisfactory performance in an interview and oral exam conducted by the exercise physiology faculty.

Relationship to Mission

Exercise physiology is a growing field, providing a wide array of employment opportunities for our students. The medical community has recently accepted the vital role that exercise plays in prevention and treatment of disease. The obese nature of our country suggests that those involved in exercise and health undergraduate programs will likely be viewed as potentially high priority employees. The major in exercise physiology facilitates experiences that address career path exploration, personal development, and establishes lifelong learning habits. Our major will utilize course work and internships as hands-on bases for learning, as well as other opportunities to improve career preparation.

PES 350 History of Sport
PES 430 Foundations of Sport and Exercise Psychology
PES 441 Sport and Society
PES 445 Social Psychology of Sport
PES 446 Sport Spectating in the United States
PES 451 Modern Olympic Games

2. For Internal Use Only

Exercise Physiology Major

Course Descriptions for New Courses:

PEP 3XX Strength and Conditioning for Athletic Training

This course explores muscle physiology, the body's response to exercise, and proper techniques functional conditioning. The emphasis of the course is multi-joint exercises and sport specific exercise prescription. The course also investigates the relationship between nutrition and performance enhancement.