

MEMORANDUM

To: Graduate Curriculum Committee
From: Mike Price, Executive Director of the School of Graduate Studies
Date: May 10, 2004
Subject: Minutes for May 6, 2004

The Graduate Curriculum Committee met in Victor 219, Thursday, May 6 at 1:30 p.m. Those in attendance included: Linda Wright, Karen Hollinger, Mike Price (chair), and Sandy Streater (visitor).

I. The minutes of the April 1, 2004 meeting were approved.

II. The following items from the College of Health Professions were approved:

B. Health Science

1. Delete SMED 5990G Special Topics in Sports Medicine I 3-0-3

Rationale: Currently, there are two, special topics courses in the MSSM program, only one is needed. We prefer to retain the seven thousand level special topics course.

2. Delete SMED 5946 Internship in Sports Medicine II V V (1-3)

Rationale: Currently, there are two, five thousand level internship courses in the MSSM program, only one is needed.

3. Create SMED 7700 Self-Directed Student Research in Sports Medicine V-V-(1-3)

Prerequisite: Permission of instructor/department

Description: Students Conduct studies relating to their professional interest and responsibilities under the direction of a graduate faculty advisor.

Rationale: Currently no independent study exists in the MSSM program of study.

Effective Term: Fall 2004

CURCAT

Major Department: Health Sciences

Can Course be repeated for additional credit? Yes

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Independent Study

4. Create MHSA 5500 U/G Managing Health Professionals 3-0-3

Prerequisite: None

Description: Examines the differences between management and clinical professionals and explores ways to better integrate these sometimes divergent interests, cultures, values, and concerns in health services organizations.

Rationale: Currently no course like this exists in the MHSA program. It will be used as a substitute course in the MHSA program for those students who already have the expertise/content of one of the required courses. This will be a required course in the BHS program Health Administration and Long Term Care Tracks.

Effective Term: Spring 2004

CURCAT

Major Department: Health Sciences

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture

5. Create SMED 5940 Internship in Strength and Conditioning V V (1-3)

Prerequisite: Permission of Instructor

Description: Supervised instruction in strength and conditioning techniques. Rationale: This internship will become a part of the strength and conditioning certificate as well as a possible guided elective in the MSSM program.

Effective term: Spring 2004

CURCAT

Major Department: Health Sciences

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture

6. Change course prerequisite

SMED 5090U/G Nutritional Issues in Sports Medicine 3-0-3

Prerequisite or Corequisite: ~~PUBH 5550G or permission of the instructor~~ **None**

Rationale: Course content changes have negated the need for this prerequisite.

Effective term: Spring 2004

7. Change Course Hours.

SMED 7010 Injury Prevention and Risk Management in Sports Medicine ~~2-0-2~~
3-0-3

Rationale: Additional content has been added to this course. It will now be a major core course in the Master of Science in Sports Medicine.

Effective term: Spring 2004

8. Change Course Title

SMED 7990 Special Topics in Sports Medicine II 3-0-3

Rationale: The II designation is no longer needed since there is only one special topics course in the MSSM program.

Effective term: Spring 2004

9. Modifications in Program of Study (MSSM)

Modify Required Courses to include the following:

Add SMED/PECI 5060, SMED 7010, and PUBH 7200.

Change Required course hours from 15 to 24.

Effective term: Spring 2004

A. Required Courses

(15 24 hours)

SMED 5060G Physiological Foundations of Sports &
Physical Activity

3-0-3

SMED/

PECI 5070G Theory and Methodology of Strength &

	Conditioning	2-2-3
SMED 5300G	Biomechanical Analysis of Human Movement & Musculoskeletal Injury	3-0-3
SMED 7010	Injury Prevention and Risk Management in Sports Medicine	3-0-3
PUBH 7200	Biostatistics	2-1-3
PUBH 8710	Research Methods	3-0-3
SMED 8900	Thesis/Professional Project in Sports Medicine I	V-V-1-3
SMED 8910	Thesis/Professional Project in Sports Medicine II	V-V-1-3

Modify Guided Electives to include the following:

Remove BIOL 5810G, PUBH 7200, SMED 5945G, SMED 5946G SMED/PECI 5070G, SMED 5990G, SMED 7035, SMED 7045, SMED 8200, + Add SMED 5940G and 7990

B. Guided Electives (48 12 hours)

BIOL 5810G	Human Physiology	3-0-3
GERO 5510G	Healthy Aging	3-0-3
PUBH 5550G	Nutrition	3-0-3
PUBH 5555G	Health and Human Performance	3-0-3
PUBH 7100	Foundations of Public Health, Concepts, And Administration	3-0-3
PUBH 7110	Epidemiology	3-0-3
PUBH 7200	Biostatistics	2-1-3
PUBH 8720	Health Promotion in the Worksite	3-0-3
MHSA 8630	Healthcare Financial Management	3-0-3
MHSA 8665	Healthcare Strategic Marketing and Planning	3-0-3
SMED/PECI 5070G	Theory and Methodology of Strength and Conditioning	2-2-3
SMED 5080G	Performance Evaluation and Exercise Testing	1-4-3
SMED 5090G	Nutritional Issues in Sports Medicine	3-0-3
SMED 5940G	Internship in Strength and Conditioning	V V (1-3)
SMED 5990G	Special Topics in Sports Medicine I	3-0-3
SMED 7035	Pathophysiology of Sports Related Injuries & Illness II	2-0-2
SMED 7045	Pathophysiology of Sports Related Injuries & Illness II	2-0-2
SMED/		
PECI 7050	Drugs and Ergogenic Aids in Sports Medicine	3-0-3
SMED 7800	Psychosocial Issues in Sports Medicine and Physical Activity	3-0-3
SMED 7990	Special Topics in Sports Medicine	3-0-3
PECI/		
SMED 8050	Bioenergetics of Sport Performance	2-0-2
PECI/		
SMED 8100	Organizational Leadership in Sports Medicine	2-0-2
SMED 8200	Instructional Strategies in Sports Medicine	2-0-2
SMED 8810	Cardiopulmonary Pathophysiology, Exercise, And Rehabilitation	2-2-3
SMED 5945G	Internship in Sports Medicine I	V V 1-3
SMED 5946G	Internship in Sports Medicine II	V V 1-3

10. Modifications in Strength and Conditioning Certificate Program of Study.

- A. Required Course (3 semester hours)
 SMED 5070G Theory and Methodology of
 Strength and Conditioning 3-0-3
- B. Four of the following five courses (12 semester hours)
- | | |
|---|--------------------|
| SMED 5300G Biomechanical Analysis of
Human Movement and Musculoskeletal Injury | 3-0-3 |
| SMED 5060 G Physiological Foundations of Sport &
Physical Activity | 3-0-3 |
| SMED 5080G Performance Evaluation and Exercise Training | 3-0-3 |
| SMED 5090G Nutritional Issues in Sports Medicine | 3-0-3 |
| SMED 5946G Internship in Sports Medicine II | VV(1-3) |
| SMED 5940G Internship in Strength
and Conditioning | VV(1-3) |
- Effective term: Spring 2004

IV. The following items from the School of Computing were approved:

A. Computer Science**1. Change the prerequisites for the following courses:**

CSCI 5210 Parallel Computing 3-0-3

Prerequisite: CSCI 3202 **and CSCI 2490**

Rationale: Change in programming language used in previous prerequisite course.

CSCI 5830 Computer Graphics 3-0-3

Prerequisite: ~~CSCI 2410~~ CSCI 2490

Rationale: Change in programming language used in previous prerequisite course.

CSCI 5360 Embedded Systems Programming 3-0-3

Prerequisite: CSCI 3202 **and CSCI 2490**

Rationale: Change in programming language used in previous prerequisite course.

CSCI 5342 Advanced Operating Systems 3-0-3

Prerequisite: CSCI 3341 **and CSCI 2490**

Rationale: Change in programming language used in previous prerequisite course.

CSCI 5410 Analysis of Algorithms 3-0-3

Prerequisite: CSCI 2410 **and CSCI 2620**

Rationale: Requires mathematical foundation presented in new prerequisite course.

CSCI 5820 Artificial Intelligence 3-0-3

Prerequisite: CSCI 2490 **and CSCI 2620**

Rationale: Requires mathematical foundation presented in new prerequisite course.

CURCAT:

Effective term: Fall 2004

Major Department: Computer Science

2. Change the course title and description of CSCI 5210U ~~Parallel Computing~~ High Performance Computing

Prerequisites: CSCI 2490 and CSCI 3341

~~Introduction to parallel computing through study of hardware and software. Architecture, algorithms, programming, languages and environments, operating systems, interconnection networks, and performance characteristics of parallel systems.~~ **High performance software development for modern hardware. Optimization techniques at the algorithm, architecture, and processor levels. Introduction to practical vector, multi-threaded, and parallel computing concepts.** Programming required.

Rationale: Expanding the range of concepts covered to include new, related technologies.

3. Renumber CSCI ~~7700~~ to 5700 Computer Security

Prerequisite: CSCI 5220 or CSCI 5410 or equivalent

Key concepts and algorithms involved in cryptography and computer security. Includes intrusion detection, firewalls, and digital signatures.

Rationale: Computer security is an important topic for all CS majors. Renumbering will enable us to offer this course as both an undergraduate capstone course and a graduate course.

CURCAT:

Effective term: Fall 2004

Major Department: Computer Science

Respectfully Submitted,

Chris Hansen
Coordinator of Graduate Faculty Activities