

GENERAL FACULTY AGENDA ITEM

Date: August 21, 2008

Number: V.

Subject: CHANGES TO MASTER OF EDUCATION, READING SPECIALIST PROGRAM

Description:

The Standards for the Reading Specialist that are used to guide preparation of teachers for this licensure have undergone revision for Kansas Department of Education during the Fall of 2006. These new standards are aligned with those put forward by the International Reading Association. It is expected that the Kansas State Board of Education will act to adopt them in the next few months. The standards have been reduced from sixteen to five, yet all standards from the previous document are addressed. The knowledge and skills relating to reading have not changed dramatically and must still be demonstrated by those preparing to be Reading Specialists. One notable exception is that all standards now relate to both reading and writing, so Reading Specialists need specific training in the area of writing.

While writing has been addressed to some degree in several courses within the Reading Specialist Program, writing has not been given as much emphasis as will now be required. To adequately address both aspects of literacy, it will be necessary to adjust the program to include a specific course in writing. This course is already established and has been taught: RD 516 Teaching Writing. To provide the needed space for this to occur within the established 36 hour master's degree, RD 518 Integrating Language and Literacy Through Inquiry will be dropped. The concepts of an integrated curriculum can still be addressed within the course on writing, and in other courses within the program.

The Faculty Senate approved the proposal on April 28, 2008.

Financial Implications: None

Requested Action: General Faculty Approval

Presented By: Dr. Robin Bowen
Vice President for Academic Affairs

**GENERAL FACULTY
AGENDA ITEM**

Date: August 21, 2008 Number: V.

Subject: B.A. IN COMPUTER INFORMATION SCIENCE

Description:

This new degree represents a consolidation of the current B.S. in Computer Information Science and the current B.A. in Computer Information Systems into B.A. and B.S. degrees that will be easier for CIS faculty to support. The consolidated degree will eliminate some duplication in effort in supporting two different degrees. The complete list of major and correlate course requirements is attached.

The Faculty Senate approved the proposal on April 28, 2008

Financial Implications: Insignificant.

Requested Action: General Faculty Approval.

Presented By: Dr. Robin Bowen
Vice President for Academic Affairs

**GENERAL FACULTY
AGENDA ITEM**

Date: August 21, 2008

Number: V.

Subject: DELETION OF B.A. IN COMPUTER INFORMATION SYSTEMS

Description:

The B.A. in Computer Information Systems is being replaced by a new BA in Computer Information Science.

The Faculty Senate approved the proposal on April 28, 2008

Financial Implications: None.

Requested Action: General Faculty Approval.

Presented By: Dr. Robin Bowen
Vice President for Academic Affairs

**GENERAL FACULTY
AGENDA ITEM**

Date: August 21, 2008

Number: V.

Subject: CHANGE IN B.S. IN COMPUTER INFORMATION SCIENCE

Description:

The changes in this degree are accompanied by a consolidation of the current B.S. in Computer Information Science and the current B.A. in Computer Information Systems into B.S. and B.A. degrees that will be easier for CIS faculty to support. We currently have a lower enrollment than we had in the past, and this consolidated degree will eliminate some duplication in effort in supporting two different degrees.

An added benefit of this degree is that the student will be more likely to minor in an NSD department other than Math. Requiring fewer math courses opens many possibilities of interdisciplinary crossover with Physics, Chemistry and Biology. We anticipate that most B.S. majors will choose Math as their minor area, in which case they will be required to take MA 152 and MA 207.

The complete proposal is attached.

The Faculty Senate approved the proposal on April 28, 2008

Financial Implications: None.

Requested Action: General Faculty Approval.

Presented By: Dr. Robin Bowen
Vice President for Academic Affairs

GENERAL FACULTY AGENDA ITEM

Date: August 21, 2008

Number: V.

Subject: BACHELOR OF SCIENCE IN COMPUTATIONAL PHYSICS

Description:

Statistics compiled by the American Institute of Physics (AIP) show that 5 to 8 years after graduation 24% of physics bachelors are employed in the category that AIP calls software. In addition, 19% are in engineering. Of those employed in the software area, knowledge and skills rated as important are 94% for computer programming and 90% for software development. The figures for those in engineering are 37% and 24%. But when physics bachelors employed in engineering, math, or science rated their bachelor's education in terms of scientific software, only 20% rated it as very good. A National Science Foundation (NSF) study has called for increased computational background in all the sciences at both the bachelors and post-graduate levels.

Full computational physics degrees are still relatively rare. In the state of Kansas, KSU, ESU, FHSU and WSU have no computational physics degree, concentration or emphasis. KU offers a B.A. with a concentration in computational physics with 9 credit hours of computer science required. PSU has a B.S. with an emphasis in computational physics that requires only 6 credit hours of computer science.

Computational physics is becoming the third branch of physics in conjunction with and complementing the long standing experimental and theoretical branches. Washburn University physics faculty have the expertise in the field of computational physics. The University now has the facilities (HiPACE), the faculty, and the opportunity to attract students into an exciting new program.

The complete proposal is attached.

The Faculty Senate approved the proposal on April 28, 2008

Financial Implications: None.

Requested Action: General Faculty Approval.

Presented By: Dr. Robin Bowen
Vice President for Academic Affairs

**GENERAL FACULTY
AGENDA ITEM**

Date: August 21, 2008 Number: V.

Subject: CHANGE TO B.A. IN PHYSICAL EDUCATION CONCENTRATION IN
HEALTH EDUCATION AND PROMOTION

Description:

Allow HS 271, Aging and Mental Health, as an alternative to HS 270, Adult Theories in Aging, in the Health Education and Promotion concentration.

The Faculty Senate approved the proposal on April 28, 2008

Financial Implications: None.

Requested Action: General Faculty Approval.

Presented By: Dr. Robin Bowen
Vice President for Academic Affairs

**GENERAL FACULTY
AGENDA ITEM**

Date: August 21, 2008

Number: V.

Subject: CHANGE TO B.A. IN PHYSICAL EDUCATION CONCENTRATION IN
EXERCISE PHYSIOLOGY

Description:

The proposal adds PE 318, Exercise Psychology, and PE 335, Human Factors and Ergonomics, as concentration courses in the Exercise Physiology concentration. It is proposed that students be given the choice of either PE 318 or PE 300 within the B.A. program/Exercise Physiology concentration.

It is also proposed that students be given the choice of either PE 335 or PE 257 within the B.A. program/Exercise Physiology concentration.

The complete proposal is attached.

The Faculty Senate approved the proposal on April 28, 2008

Financial Implications: None.

Requested Action: General Faculty Approval.

Presented By: Dr. Robin Bowen
Vice President for Academic Affairs

**GENERAL FACULTY
AGENDA ITEM**

Date: August 21, 2008 Number: V.

Subject: CHANGE TO B.A. IN PHYSICAL EDUCATION, B.ED. - PHYSICAL
EDUCATION AND B.S. IN ATHLETIC TRAINING

Description:

It is proposed that CM 101 replace CM 212 as an option in the correlated requirements for the Physical Education Bachelor of Arts degree, Physical Education Bachelor of Education degree and Athletic Training Bachelor of Science degree.

The Faculty Senate approved the proposal on April 28, 2008

Financial Implications: None.

Requested Action: General Faculty Approval.

Presented By: Dr. Robin Bowen
Vice President for Academic Affairs

**GENERAL FACULTY
AGENDA ITEM**

Date: August 21, 2008

Number: V.

Subject: CHANGE TO B.A. IN PHYSICAL EDUCATION - EXERCISE PHYSIOLOGY
CONCENTRATION AND B.S. IN ATHLETIC TRAINING

Description:

It is proposed that PS 102 (Health Emphasis) be added as an alternative to PS 101 in the Exercise Physiology concentration within the Physical Education B.A. degree and in the Athletic Training B.S.

The Faculty Senate approved the proposal on April 28, 2008

Financial Implications: None.

Requested Action: General Faculty Approval.

Presented By: Dr. Robin Bowen
Vice President for Academic Affairs

**GENERAL FACULTY
AGENDA ITEM**

Date: August 21, 2008

Number: V.

Subject: CHANGE TO B.A. AND B.S. IN MATHEMATICS AND SECONDARY
EDUCATION MATHEMATICS SPECIALIZATION

Description:

It is proposed to convert MA 389, Capstone Experience into two courses MA 387, Capstone Experience - 2 hours, and a new course MA 388, Capstone Research - 1 hour. Our rationale is to provide students with more flexibility regarding this required major's work; should a student earn a failing mark in one of the two newly created components, he or she would only need to repeat the failing portion of the Capstone work. The new course, MA 388, will not be graded, but use a credit/no credit system. A credit/no credit system ensures that each acceptable project meets a minimum standard while removing the element of competition amongst the students. Further, the research portion of our current Capstone Experience is graded by a committee and credit/no credit facilitates consensus amongst committee members.

The Faculty Senate approved the proposal on April 28, 2008

Financial Implications: None.

Requested Action: General Faculty Approval.

Presented By: Dr. Robin Bowen
Vice President for Academic Affairs

**GENERAL FACULTY
AGENDA ITEM**

Date: August 21, 2008

Number: VI.A.

Subject: MA 104 PROPOSAL

Description:

It is proposed that MA 104, Intermediate Algebra, no longer count toward graduation. (Just as MA 103, Beginning Algebra, currently does not count toward graduation.) Although most other four year institutions in Kansas offer Intermediate Algebra, none of the Regents Universities in Kansas offer it for credit towards graduation/degree requirements. This change would bring Washburn in line with other Bachelor's degree granting institutions in Kansas.

The Faculty Senate approved the proposal on April 28, 2008

Financial Implications: None.

Requested Action: General Faculty Approval.

Presented By: Dr. Robin Bowen
Vice President for Academic Affairs