



Academic Notes

October 7, 2013

AN 2013-2014

ACADEMIC NOTES PUBLICATION SCHEDULE

Below is the publication schedule for the electronic copy of *Academic Notes* through December 30, 2013. All submissions for inclusion in *Academic Notes* are due in the Office of Academic Affairs no later than 11:00 a.m. on the Deadline for Items date shown below. Submissions must be in hard copy along with an email, zip drive, or CD with the same information. The electronic version must be formatted either in Word with pages with signatures scanned and inserted as a picture OR PDF saved as text and image. (Do NOT send PDF just saved as an image.) Information submitted to *Academic Notes* that is not accompanied by an electronic version or that is incomplete or unusable will be returned to the appropriate office. *Academic Notes* is available using Acrobat Reader at http://www.indstate.edu/academicaffairs/academic_notes.htm

During the summer months, *Academic Notes* is published every other week.

If you have questions, please contact Yvonne Russell in Academic Affairs, extension 3662.

ACADEMIC NOTES PUBLICATION SCHEDULE **FALL 2013**

<u>Deadline for Items</u>	<u>Issue Date</u>
October 2	October 14
October 9	October 21
October 16	October 28
October 23	November 4
October 30	November 11
November 6	November 18
November 13	November 25
November 20	December 2
November 27	December 9
December 4	December 16
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December 18	December 30

CURRICULUM

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UNDERGRADUATE PROPOSALS

COURSE REACTIVATIONS

COLLEGE OF ARTS AND SCIENCES: Biology

BIO 480 - General Evolution

3 credits

A discussion of the pattern of evolution, as revealed by fossil, developmental, molecular, and other data. Analysis of research on the process (natural selection, genetic drift, mutation, migration) generating both microevolution and macroevolution.

Prerequisites: BIO 380.

Change of description to:

BIO 480 - General Evolution

3 credits

A discussion of the evidence for and mechanisms and theories of evolution emphasizing how evolution provides unifying patterns for understanding living organisms at all levels of organization.

Prerequisites: BIO 380.

A-F Grading

Effective term: Spring 2014

PROGRAM REVISIONS

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Baccalaureate Nursing

Nursing Major - Accelerated Second Degree (79 credits)

CIP Code: 513801 Major Code: 9251, 9255

Brief Summary:

The Indiana State Board of Nursing ISBN did not approve the removal of a statistics course requirement for our traditional 4 year degree. Since it is necessary to include the statistics requirement for the traditional program, we should also require the statistics course as a prerequisite for the accelerated second degree track to keep the two curriculum tracks in alignment. Therefore, we need to add AHS 340 (Health Biostatistics) or EPSY 302 back in as a program prerequisite.

Since we need to add statistics back in, we will also revert back to NURS 322 (Nursing Research) which required statistics as a prerequisite, rather than retain NURS 327 (Evidence Based Practice and Research in Nursing) which was a new course and included basic statistics. This change will need to be retroactive to Fall 2013.

Student Learning:

Reverting back to requiring statistics and to NURS 322 should have no effect on student outcomes. Additionally, one of our accrediting bodies, the ISBN, wants us to keep 3 credits of statistics as a requirement, so we must adhere to their directions.

Approved Catalog Copy:

Nursing Major - Accelerated Second Degree (82 credits)

CIP Code: 513801 Major Code: 9251, 9255

Students who are admitted to the University with unconditional standing with a previous baccalaureate degree who have completed all required cognate courses may apply for admission to the major. The admission, progression, retention, dismissal, and graduation policies may be found at the nursing web site, <http://www.indstate.edu/nursing>.

Required Cognate Courses Prior to Admission to Program (25 credits)

ATTR 210 - Human Anatomy for Allied Health Professions 2 credits

or

BIO 231 - Human Anatomy 2 credits

ATTR 210L - Human Anatomy for Allied Health Professions Laboratory 1 credits

or

BIO 231L - Human Anatomy Laboratory 1 credits

BIO 241 - Human Physiology 2 credits

or

PE 220 - Human Physiology for Allied Health Professions 2 credits

BIO 241L - Human Physiology Laboratory 1 credits

or

PE 220L - Human Physiology for Allied Health Professions Laboratory 1 credits

BIO 274 - Introductory Microbiology 2 credits

BIO 274L - Introductory Microbiology Laboratory 1 credits

CHEM 100 - Chemistry and Society 3 credits

CHEM 100L - Chemistry and Society Laboratory 1 credits

AHS 201 - Fundamentals of Nutrition 3 credits

PSY 101 - General Psychology: Understanding Human Behavior 3 credits

PSY 266 - Developmental Psychology 3 credits

or

EPSY 221 - Developmental Psychology 3 credits

AHS 340 – Health Biostatistics 3 credits

or

EPSY 302 – Introduction to Applied Psychological Statistics 3 credits

or any college level statistics course 3 credits

Required Nursing Courses (57 credit hours)

NURS 207 - Nursing Perspectives 3 credits
NURS 209 - Essential Nursing Practice 5 (3 didactic, 2 clinical) credits
NURS 218 - Pharmacotherapeutics 4 (3 didactic, 1 clinical) credits
NURS 309 - Adult Assessment 2 (1 didactic, 1 clinical) credits
NURS 322 – Research/Theoretical Basis for Nursing Practice 3 credits
NURS 338 - Mental Health Nursing 4 (3 didactic, 1 clinical) credits
NURS 350 - Adult Health I 6 (3 didactic, 3 clinical) credits
NURS 364 - Maternal and Child Nursing Care 6 (4 didactic, 2 clinical) credits
NURS 380 - Adult Health II 9 (6 didactic, 3 clinical) credits
NURS 444 - Community Health Nursing 4 (3 didactic, 1 clinical) credits
NURS 470 - Nursing Leadership 3 credits
NURS 484 - Reflective Nursing Practice 3 credits
NURS 486 - Professional Nursing Synthesis 3 credits
NURS 490 - Licensure Preparatory Course 2 credits

Plus Foundational Studies credits awarded from previous degree

Effective term: Fall 2014

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Baccalaureate Nursing

**Nursing Major – Traditional Track for Students Entering without R.N. or L.P.N.
Licensure (93-96 credits)**

CIP Code: 513801 Major Code: 9251, 9250

Brief Summary:

While we completed a curriculum review and approval in the Spring of 2013 (effective Fall 2013) for the removal of SOC 101 (Introduction to Sociology) and AHS 340 (Biostatistics) or EPSY 302 (Applied Psychological Statistics) in order to reduce our program credit hours to 120, the Indiana State Board of Nursing (ISBN) did not approve the removal of the statistics requirement (AHS 340 or EPSY 302).

We were initially told that there would be no reduction in the number of credit hours in the Foundational Studies program; however, after our proposed changes were approved by CAAC, the Foundational Studies program was reduced by one UDIE, 3 credits. The reduction of the UDIE makes it possible for us to add the statistics requirement back in and still remain at 120 credits.

Since we need to add statistics back in, we will also revert back to NURS 322 (Nursing Research) which required statistics as a prerequisite, rather than retain NURS 327 (Evidence Based Practice and Research in Nursing) which was a new course and included basic statistics. This change will need to be retroactive to Fall 2013.

Student Learning:

Reverting back to requiring statistics and to NURS 322 should have no effect on student outcomes. Additionally, one of our accrediting bodies, the ISBN, wants us to keep 3 credits of statistics as a requirement, so we must adhere to their directions.

Approved Catalog Copy:

Nursing Major – Traditional Track for Students Entering without R.N. or L.P.N. Licensure (99-102 credits)

The program leading to a bachelor of science degree with a major in nursing includes a four-year campus-based traditional program of study combining theory and clinical nursing courses, required support courses, and Foundational Studies courses. The baccalaureate degree is recognized as the basic preparation for professional nursing practice and prepares the graduate as a generalist. Baccalaureate nursing education is foundational for graduate study in nursing.

Students who are admitted to the University with unconditional standing and who have satisfactorily completed all prenursing requirements may apply for admission to the major. The admission, progression, retention, dismissal, and graduation policies may be found at the nursing web site, <http://www.indstate.edu/nursing>

Required Cognate Courses (34-37 credits)

ATTR 210 - Human Anatomy for Allied Health Professions 2 credits

or

BIO 231 - Human Anatomy 2 credits

ATTR 210L - Human Anatomy for Allied Health Professions Laboratory 1 credits

or

BIO 231L - Human Anatomy Laboratory 1 credits

BIO 241 - Human Physiology 2 credits

or

PE 220 - Human Physiology for Allied Health Professions 2 credits

BIO 241L - Human Physiology Laboratory 1 credits

or

PE 220L - Human Physiology for Allied Health Professions Laboratory 1 credits

BIO 274 - Introductory Microbiology 2 credits

BIO 274L - Introductory Microbiology Laboratory 1 credits

CHEM 100 - Chemistry and Society 3 credits (or higher level Chemistry course)

CHEM 100L - Chemistry and Society Laboratory 1 credits (or higher level Chemistry course)

COMM 101 - Introduction to Speech Communication 3 credits

ENG 101 - Freshman Writing I 3 credits

and

ENG 105 - Freshman Writing II 3 credits

or

ENG 107 - Rhetoric and Writing 3 credits

Approved Foundational Studies Mathematics or Quantitative Literacy Course 3 credits

ENG 305 - Advanced Expository Writing 3 credits

or

ENG 305T - Technical Writing 3 credits

AHS 201 - Fundamentals of Nutrition 3 credits

PSY 101 - General Psychology: Understanding Human Behavior 3 credits

PSY 266 - Developmental Psychology 3 credits

or

EPSY 221 - Developmental Psychology 3 credits

Required Nursing Courses (59 credits):

NURS 104 - Introduction to Professional Nursing 2 credits

NURS 207 - Nursing Perspectives 3 credits

NURS 209 - Essential Nursing Practice 5 (3 didactic, 2 clinical) credits

NURS 218 - Pharmacotherapeutics 4 (3 didactic, 1 clinical) credits

NURS 224 - Nursing Care of Adults I 5 credits

NURS 309 - Adult Assessment 2 (1 didactic, 1 clinical) credits

NURS 322 – Research/Theoretical Basis for Nursing Practice 3 credits

NURS 324 - Nursing Care of Adults II 5 credits

NURS 338 - Mental Health Nursing 4 (3 didactic, 1 clinical) credits

NURS 364 - Maternal and Child Nursing Care 6 (4 didactic, 2 clinical) credits

NURS 424 - Nursing Care of Adults III 5 credits

NURS 444 - Community Health Nursing 4 (3 didactic, 1 clinical) credits

NURS 470 - Nursing Leadership 3 credits

NURS 484 - Reflective Nursing Practice 3 credits

NURS 486 - Professional Nursing Synthesis 3 credits

NURS 490 - Licensure Preparatory Course 2 credits

Plus remaining Foundational Studies not included in cognates for major

Effective term: Fall 2014

GRADUATE PROPOSALS

COURSE REVISIONS

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Advanced Practice Nursing

APN 891 - Scholarly Project I

3 credits

This course provides opportunities for analysis of dynamic community systems and programming models. Theoretical frameworks for transformation, application, and synthesis of knowledge and skills into independent practice are explored.

Prerequisites: Admittance into the Doctor of Nursing Program.

Co-requisites: AHS 612.

Change of title to:

APN 891 - DNP Scholarly Project I

3 credits

This course provides opportunities for analysis of dynamic community systems and programming models. Theoretical frameworks for transformation, application, and synthesis of knowledge and skills into independent practice are explored.

Prerequisites: Admittance into the Doctor of Nursing Program.

Co-requisites: AHS 612.

A-F Grading

Effective term: Fall 2014

APN 892 - Scholarly Project II

3 credits

This course provides students with skills to develop innovative approaches to complex issues in the healthcare system. Creation of shared visions, advocacy, strategic planning, and program development are addressed.

Prerequisites: APN 810, 891.

Change title to:

APN 892 - DNP Scholarly Project II

3 credits

This course provides students with skills to develop innovative approaches to complex issues in the healthcare system. Creation of shared visions, advocacy, strategic planning, and program development are addressed.

Prerequisites: APN 810, 891.

A-F Grading

Effective term: Fall 2014

APN 893 - Scholarly Project III

3 credits

This course focuses on implementation of an evidence-based independent clinical practice model. The student implements a program for improving patient/population health outcomes.

Prerequisites: APN 892.

Change of title to:

APN 893 - DNP Scholarly Project III

3 credits

This course focuses on implementation of an evidence-based independent clinical practice model. The student implements a program for improving patient/population health outcomes.

Prerequisites: APN 892.

A-F Grading

Effective term: Fall 2014

APN 894 - Scholarly Project IV

3 credits

This course provides opportunities to evaluate a healthcare program for underserved and rural populations. Students examine core principles of and challenges to program evaluation.

Prerequisites: APN 893

Change title to:

APN 894 - DNP Scholarly Project IV

3 credits

This course provides opportunities to evaluate a healthcare program for underserved and rural populations. Students examine core principles of and challenges to program evaluation.

Prerequisites: APN 893

A-F Grading

Effective term: Fall 2014

APN 895 - Capstone Scholarly Project

3 credits

This course provides students with the opportunities to present and publish research/assessment findings to improve health outcomes for underserved and rural populations.

Prerequisites: APN 894.

Change title to:

APN 895 – DNP Capstone Scholarly Project

3 credits

This course provides students with the opportunities to present and publish research/assessment findings to improve health outcomes for underserved and rural populations.

Prerequisites: APN 894.

A-F Grading

Effective term: Fall 2014

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Baccalaureate Nursing

NURS 324 - Nursing Care of Adults II

5 credits

Expanded roles of the nurse are performed in hospital and community settings for adults and older adults. Expanded critical thinking and clinical judgment skills are applied to promote health and provide care for clients experiencing or recovering from complex illnesses.

Prerequisites: NURS 224, 228, and BIO 412.

Note: Three classroom hours and an average of six clinical hours per week.

Change prerequisites to:

NURS 324 - Nursing Care of Adults II

5 credits

Expanded roles of the nurse are performed in hospital and community settings for adults and older adults. Expanded critical thinking and clinical judgment skills are applied to promote health and provide care for clients experiencing or recovering from complex illnesses.

Prerequisites: NURS 224, 309 and 218; or BIO 412, NURS 304, and successful completion of or concurrent enrollment in NURS 338

Note: Three classroom hours and an average of six clinical hours per week.

A-F Grading

Effective term: Spring 2014

NURS 364 - Maternal and Child Nursing Care

6 (4 didactic, 2 clinical) credits

The course focuses on understanding the basis of nursing clinical judgments and the delivery of

care for infants, children, and women during the reproductive life cycle. Clinical experiences provide opportunities to observe and provide professional nursing care in primary, community, and acute health care settings.

Prerequisites: NURS 350

Change prerequisites to:

NURS 364 - Maternal and Child Nursing Care

6 (4 didactic, 2 clinical) credits

The course focuses on understanding the basis of nursing clinical judgments and the delivery of care for infants, children, and women during the reproductive life cycle. Clinical experiences provide opportunities to observe and provide professional nursing care in primary, community, and acute health care settings.

Prerequisites: NURS 350 and NURS 338; or NURS 224, NURS 338, and PSY 266 or EPSY 221.

A-F Grading

Effective term: Spring 2014

GRADUATE APPROVALS

PROGRAM REVISIONS

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Health Sciences

Family and Consumer Sciences with a Specialization in Dietetics M.S. (32 credits of graduate work and 24 credits of undergraduate clinical and coordinated courses minimum)

CIP Code: 190101 **Major Code:** H195

Brief Summary:

The former Family and Consumer Sciences Department has been eliminated, and it is appropriate that the masters in dietetics program also officially change its name to one that is more representative of the current program. With this revision the aim is to update content, sequencing, and level of proficiency to address the emerging body of knowledge, skills, and competencies related to changing professional needs. These changes are consistent with the undergraduate Coordinated Program in Dietetics curriculum updates that were effective Fall 2012. In addition to the current dietetics program requirements, these curriculum changes include the addition of several Health Sciences courses to expand the knowledge base of our students beyond just nutrition, but in a direction that will aid them to function better in the field. Past catalog errors are also being addressed in this proposal. The Academy of Nutrition and Dietetics (AND) and the Accreditation Council for Education in Nutrition and Dietetics (ACEND) increased their requirement of supervised practice hours from 900 to 1200 hours. This increase is reflected in the program revisions proposal.

Student Learning:

This proposal includes revision of didactic courses and the supervised practices that reflect the

established learning outcomes and program goals. Based on a national audit of practitioners, new knowledge and competencies were established for dietetic students, which included more emphasis on some areas of practice and less emphasis on others. These program revisions reflect the outcomes assessment recommendations of our alumni, preceptors, advisory board, and faculty. The goal is to improve the program to meet the trends and current practices of the field and ultimately, to improve student outcomes and program effectiveness.

The revisions to the graduate dietetics program requirements provide an emphasis that is more closely aligned with the Department of Applied Health Sciences' goals and student outcomes and meets the growing demand for dietitians trained to work in the public health arena.

Approved Catalog Copy:

Family and Consumer Sciences with a Specialization in Dietetics M.S. (52-56 credits of graduate work (36 credits at the 600-level) and 8 credits of undergraduate courses)

CIP Code: 190101 **Major Code:** H195

The dietetics concentration is designed to meet the needs of students who wish to become Registered Dietitians. It prepares them to take the national registration examination after graduation.

Graduate Admission Requirements:

- Complete the application for admission to the College of Graduate and Professional Studies
- Minimum GPA of 2.7 on a 4.0 scale in all undergraduate course work; a minimum GPA of 3.0 in the last 60 hours of undergraduate course work; or a minimum GPA of 3.0 in the major field of study
- Submit scores for the Graduate Record Examination (GRE) to the College of Graduate and Professional Studies
- Undergraduate transcript showing proof of undergraduate degree
- Letter of Interest/Personal Statement of Professional Goals
- Two professional letters of recommendation
- International students must have a minimum TOEFL score of 550

Admission and Continuation Requirements for the Coordinated Program in Dietetics (CPD) and the College of Graduate and Professional Studies:

- Admission to the graduate CPD requires a separate application process, which is completed in the spring for fall admission only.
- Students will be required to complete the following undergraduate dietetics prerequisites (or equivalents) prior to admission to the CPD.
 - BIO 231 – Human Anatomy (2 credits)
 - BIO 231L – Human Anatomy Laboratory (1 credit)
 - or**
 - ATTR 210 – Human Anatomy for Applied Health Professionals (2 credits)
 - ATTR 210L – Human Anatomy for Applied Health Professionals Laboratory (1 credit)
 - BIO 241 – Human Physiology (2 credits)
 - BIO 241L – Human Physiology Laboratory 1 credit)

or

- PE 220 – Human Physiology for Applied Health Professionals (2 credits)
- PE 220L – Human Physiology for Applied Health Professionals Laboratory (1 credit)
- BIO 274 – Introductory Microbiology (2 credits)
- BIO 274L – Introductory Microbiology Laboratory (1 credit)
- CHEM 103 – Elementary Chemistry (3 credits)
- CHEM 103L – Elementary Chemistry Laboratory (1 credit)
- CHEM 104 – Elementary Organic and Biochemistry (3 credits)
- CHEM 104L – Elementary Organic and Biochemistry Laboratory (1 credit)
- CHEM 330 – Survey of Biochemistry (3 credits)
- CHEM 330L – Survey of Biochemistry Laboratory (1 credit)
- AHS 221 – Principles of Human Nutrition (3 credits)
- AHS 226 – Fundamentals of Foods (3 credits)
- A 2.7 (B-) or better is required for all AHS courses required in the Coordinated Program in Dietetics, including AHS 221 and AHS 226 or equivalent. Students must maintain a cumulative grade point average of 2.7 (B-) to remain in the CPD.
- 52-58 graduate credits (36 credits at the 600-level)
- Culminating Experience: A thesis followed by an oral defense or a written Culminating Integrative Experience followed by an oral defense
- A GPA of 3.0 is required for all graduate work
- Required Courses:
 - Graduate Courses (52-58 credits)
 - ☐ AHS 601 – Research Methodology in Health Sciences (3 credits) **or** AHS 604 – Research Design and Data Analysis (3 credits)
 - ☐ AHS 612 – Epidemiology (3 credits) **or** AHS 617 – Health Behavior Theories (3 credits)
 - ☐ AHS 622 – Public Health Nutrition (3 credits)
 - ☐ AHS 623 – Advanced Nutrition II (3 credits)
 - ☐ AHS 624 – Medical Nutrition Therapies and Applied Practice (2 credits)
 - ☐ AHS 625 – Community Nutrition Practice (4 credits)
 - ☐ AHS 627 – Trends in Foods (3 credits)
 - ☐ AHS 629 – Seminar in Public Nutrition (3 credits)
 - ☐ AHS 631 – Advanced Food Service Management Supervised Practice (5 credits)
 - ☐ AHS 633 – Management Issues, Practice and Quantity Food Production (2 credits)
 - ☐ AHS 636 – Advanced Medical Nutrition Therapy Supervised Practice (5 credits)
 - ☐ * AHS 520 – Advanced Nutrition (3 credits)
 - ☐ AHS 521 – Life Cycle Nutrition (3 credits)
 - ☐ AHS 523 – Medical Nutrition Therapy (5 credits)
 - ☐ AHS 525 – Community Nutrition (3 credits)
 - ☐ * AHS 528 – Experimental Food Science (3 credits)
 - ☐ AHS 530 – Food Service Management Systems (5 credits)

Undergraduate Courses (8 credits)

- ☐ AHS 322 – Nutrition Intervention Methodologies (3 credits)
- ☐ AHS 324 – Nutrition Care Process (3 credits)
- ☐ **AHS 332 – Quantity Food Production (2 credits)

Culminating Experience

- ☐ AHS 699 – Thesis (6 credits) or
- ☐ Written Culminating Integrative Experience followed by an oral defense

* Not required if the student has an Academy of Nutrition and Dietetics accredited undergraduate dietetics degree.

**Omit AHS 332 if the student has an Academy of Nutrition and Dietetics accredited undergraduate dietetics degree, but must take AHS 597 instead.

Effective term: Fall 2014

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Kinesiology, Recreation, and Sport

Physical Education (Coaching) M.A. or M.S. (33-36 credits)
CIP Code: 131314 Major Code: H273

Brief Summary:

The coaching program was initially designed (1993) for students who wanted to coach at either high school, college, or the elite level. In the past three years changes to the policies in the public schools has reduced if not eliminated teachers/coaches from pursuing master's degrees. The majority of students currently entering the master's program for coaching are interested in coaching at the college or elite level. Therefore, the program faculty has proposed that the program be changed to preparing coaches for the collegiate and elite level.

The master's program in physical education with a specialization in coaching's provides our students with knowledge and experiences identified in the National Standards for Sport Coaches (NASPE, 2006). Additionally, the program distinguishes itself through cutting edge video analysis training and producing graduates who are ideally suited to coach either men or women.

To address the revised focus the program faculty has made minor revisions to the core and required courses. The course revisions are only to the alignment of the courses between the core, specialization and electives. The course PE 540 had previously been included as an elective in the program and had been replaced in the last revision, but will be included in the revised program to address the need for our graduates to be able to coach both men and women.

The admissions requirement of three letters of recommendation has been eliminated.

Student Learning:

The results of the student assessment for the past two years have been very positive for the program. All areas assessed have exceeded expectations.

The revisions to the program have been made to reflect the change from preparing coaches for high school to collegiate levels to a focus on preparing collegiate and elite level coaches. The changes will increase the effectiveness of the program by preparing coaches to coach both men

and women and to have choice in the direction of their scientific preparation to enhance their undergraduate preparation.

Approved Catalog Copy:

Physical Education (Coaching) M.A. or M.S. (33-36 credits)

CIP Code: 131314 Major Code: H273

The objective of this degree is to provide an opportunity for graduate students to further develop their knowledge and understanding in the area of coaching. The program blends field experiences with classroom courses that present cutting edge knowledge in coaching education.

The objectives of the curriculum are aligned with those identified in the National Standards for Sport Coaches (NASPE 2006) and NCACE Accreditation Level 5.

The coaching specialization requires an applicant have an undergraduate degree from a regionally accredited institution; meet all requirements of the College of Graduate and Professional Studies; and have a minimum grade point average of 2.75 on a 4.0 scale.

Applicants must also have physical education course work in the area of coaching. Examples of courses that are acceptable include: Exercise physiology, biomechanics, sports first aid, physical conditioning, scientific aspects of coaching, sports administration, psychology of coaching, issues in coaching, philosophy of coaching, coaching theory/methods.

A student who does not meet this requirement can be granted conditional admission but is required to complete additional course work as determined after a review of transcripts.

Required Core (6 credits):

- PE 601 - Research in Health and Human Performance 3 credits
- PE 666 - Applied Sports Psychology 3 credits

Required Courses (21 credits):

- PE 540 - Women in Sport 3 credits
- PE 616 - Administration and Management for Coaches 3 credits
- PE 617 - Coaching and Training of Elite Athletes 3 credits
- PE 618 - Advanced Coaching Philosophy and Ethics 3 credits
- PE 660 - Motor Learning and Human Performance 3 credits
- PE 665 - Sport in American Society 3 credits

Choose one from the following:

- PE 584 - Applied Sport Biomechanics 3 credits
- PE 685 - Biomechanics of Sports Techniques 3 credits

Suggested Electives (Master of Arts 3 credits) (Master of Science 6 credits):

- PE 510 - Coaching of Baseball 1-2 credits (2 credits required)

- PE 511 - Coaching of Basketball 2 credits
- PE 512 - Coaching of Soccer 2 credits
- PE 513 - Coaching of Football 2 credits
- PE 516 - Coaching of Softball 2 credits
- PE 519 - Coaching of Track and Field 2 credits
- PE 520 - Coaching of Volleyball 2 credits
- PE 577 - Psychological Aspects of Sport Injury 3 credits
- PE 585 - Data Processing in the Sport Sciences 3 credits
- PE 615 - Advanced Coaching Theory 1-3 credits
- PE 675 - Advanced Strength and Conditioning Theory 3 credits
- PE 683 - Cardiorespiratory Physiology 3 credits
- PE 684 - Neuromuscular Physiology 3 credits
- ATTR 610 - Sports Injuries 3 credits
- or advisor approved electives

Culminating Experience (3-6 credits):

Master of Arts (6 credits)

- PE 699 - Master's Thesis 6 credits

Master of Science (3 credits)

Choose one from the following:

- PE 602 - Independent Research in Health and Human Performance 3 credits
- PE 629 - Internship 3 credits

Note: Courses in the 500 series are open to undergraduates as *400 series. Graduate students are required to do additional work of a research nature. A course taken at the 400 level may not be repeated at the 500 level.

Effective term: Fall 2014

**COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Kinesiology,
Recreation, and Sport**

Physical Education (Exercise Science) M.A. or M.S. (32 credits)

CIP Code: 131314 Major Code: H270

Brief Summary:

The program faculty has evaluated the program after two years and has made minor revisions to the core and required courses. The revisions are only to the alignment of the courses between the core, specialization and electives. This revision has resulted in moving a core course to a required course in the specialization. The total number of credits for the master's program remains unchanged at 33 credit hours.

Student Learning:

This revision was to administratively align the curriculum for the Coaching and Exercise Science while maintaining a common core.

Approved Catalog Copy:

Physical Education (Exercise Science) M.A. or M.S. (33 credits)

CIP Code: 131314 Major Code: H270

The primary objective of this degree is to provide an opportunity for graduate students to develop further develop their knowledge and understanding in the Exercise Sciences and add an area of expertise or interest. Exercise Science is a dynamic inter-disciplinary field that examines the interaction between the human body and the effects of physical activity on physical performance, fitness/wellness, and rehabilitation during daily activities, athletic competitions, and work.

Depending on the selected combination of coursework, an individual could develop a strong scientific foundation in the exercise sciences and then add special emphases in cardiovascular fitness in a fitness/clinical setting, biomechanical motion analysis or muscular strength development. This academic preparation in combination with a research experience and practical experience can prepare students to teach Exercise Science in higher education programs, pursue a doctoral degree in the Exercise Sciences or the Allied health professions, obtain employment in the Fitness/Wellness sector as an exercise technologist, or personal trainer.

The emphases in the curriculum can prepare students to be a health fitness instructor or a biomechanist/ergonomic specialist and/or successfully complete the American College of Sports Medicine Health Fitness Specialist or Exercise Specialist exams or the National Strength and Conditioning Association's (NSCA) strength coaching certification exam.

The Exercise Science specialization requires an applicant have an undergraduate degree from a regionally accredited institution; meet all requirements of the College of Graduate and

Professional Studies; and have a minimum grade point average of 2.75 on a 4.0 scale.

Applicants must also have kinesiology/physical education course work in the area of exercise science. Examples of courses that are acceptable include: anatomy and physiology, exercise physiology, foundations of physical conditioning, biomechanics / kinesiology, 3 physical activity classes. A student who does not meet this requirement can be granted conditional admission but will be required to complete additional course work as a deficiency as determined after a review of transcripts.

Required Core (6 credits):

- PE 601 - Research in Health and Human Performance 3 credits
- PE 666 - Applied Sports Psychology 3 credits

Required Courses (15 credits):

- PE 675 - Advanced Strength and Conditioning Theory 3 credits
- PE 683 - Cardiorespiratory Physiology 3 credits
- PE 684 - Neuromuscular Physiology 3 credits
- PE 685 - Biomechanics of Sports Techniques 3 credits
- PE 688 - Exercise Testing in Exercise Science 3 credits

Suggested Electives

(Master of Arts 6 credits) (Master of Science 9 credits):

- PE 584 - Applied Sport Biomechanics 3 credits
- PE 577 - Psychological Aspects of Sport Injury 3 credits
- PE 583 - Fitness Through the Lifespan 3 credits
- PE 585 - Data Processing in the Sport Sciences
- PE 617 - Coaching and Training of Elite Athletes 3 credits
- PE 660 - Motor Learning and Human Performance 3 credits
- PE 665 - Sport in American Society 3 credits
- or advisor approved electives

Culminating Experience (3-6 credits):

Master of Arts (6 credits)

- PE 699 - Master's Thesis 6 credits

Master of Science (3 credits)

Choose one from the following:

- PE 602 - Independent Research in Health and Human Performance 3 credits
- PE 629 - Internship 3 credits

Courses in the 500 series are open to undergraduates as *400 series. Graduate students are

required to do additional work of a research nature. A course taken at the 400 level may not be repeated at the 500 level

Effective term: Fall 2014