



# *Academic Notes*

September 2, 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](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**

<b><u>Deadline for Items</u></b>	<b><u>Issue Date</u></b>
August 28	September 9
September 4	September 16
September 11	September 23
September 18	September 30
September 25	October 7
October 2	October 14
October 9	October 21
October 16	October 28
October 23	November 4
October 30	November 11
November 6	November 18
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# CURRICULUM

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## GRADUATE PROPOSALS

### NEW COURSES

#### **COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Medicine and Rehabilitation**

##### **ATTR - 710 Holistic Health**

3 credits

The purpose of this course is to help students develop a holistic view of patients while preventing, evaluating, and treating trunk and spine injuries. Students engage in interprofessional education by learning from, with, and about other health care professions in patient-centered collaborative practice.

*A-F Grading*

*Effective term: Fall 2014*

##### **ATTR – 712 Evidence Based Medicine**

3 credits

This course provides students with the tools to understand research and use evidence based medicine for future courses as well as learn technical writing skills. This is accomplished through interpreting and understanding diagnostic accuracy.

*A-F Grading*

*Effective term: Fall 2014*

**ATTR - 713 Outcome Assessment in Health Care**

3 credits

Students will participate in a hybrid course model to facilitate discussion and understanding of outcome assessment in health care and treatment efficacy and administration.

*A-F Grading*

*Effective term: Fall 2014*

**ATTR – 755 Clinical Experience in Athletic Training II**

3 credits

Structured clinical experience in athletic training practical rotations with a minimum of 200 contact hours. Also requires mastery of advanced clinical skills and techniques in injury evaluation, modality application, post-surgical care, rehabilitation design, and other aspects of athletic training.

*A-F Grading*

*Effective term: Fall 2014*

**ATTR - 756 Clinical Experience in Athletic Training II**

1 credit

This course supports structured clinical experience in athletic training practical rotations. Also requires mastery of advanced clinical skills and techniques in injury evaluation, modality application, post-surgical care, rehabilitation design, and other aspects of athletic training.

*A-F Grading*

*Effective term: Fall 2014*

**ATTR - 798 Research Project**

2-6 credits

By arrangement with the chairperson of the students' project committee. Students identify a research question and then complete a research study to answer the question.

**Repeatable:** Students are required to repeat for a total of 6 credits.

*A-F Grading*

*Effective term: Fall 2014*

**ATTR - 811 Translational and Action Research**

3 credits

Students participate in a hybrid course model to facilitate discussion and understanding of translational/action research (scientific inquiry aimed at evaluating the application of medical advances)

*A-F Grading*

*Effective term: Fall 2014*

**ATTR 840 - Manual Therapy II**

3 Credits

Students participate in a hybrid course model to understand and apply integrative therapy techniques with an emphasis on Eastern medicine and holistic, CAM techniques, and Soft Tissue Mobilization.

*A-F Grading*  
*Effective term: Fall 2014*

**ATTR 855 - Clinical Experience in Athletic Training III**

1 credit

This course supports structured clinical experience in athletic training practical rotations. Also requires mastery of advanced clinical skills and techniques in injury evaluation, modality application, post-surgical care, rehabilitation design, and other aspects of athletic training.

*A-F Grading*  
*Effective term: Fall 2014*

**ATTR 856 - Graduate Clinical Experience in Athletic Training IV**

1 credit

This course supports structured clinical experience in athletic training practical rotations. Also requires mastery of advanced clinical skills and techniques in injury evaluation, modality application, post-surgical care, rehabilitation design, and other aspects of athletic training.

*A-F Grading*  
*Effective term: Fall 2014*

**COURSE REVISIONS**

**COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Medicine and Rehabilitation**

**ATTR 660 - Environmental Illnesses**

3 credits

This course explores the prevention, recognition, and treatment of injuries and illness that result from various environmental situations. It also examines the interrelationship between the physical environment and humans while exercising under different states of fitness and acclimatization.

*Change number, title and description to:*

**ATTR 830 - Evidence Based Preventative Interventions**

3 credits

Comprehensive examination (through reading, discussion, and hands-on practice) of prevention interventions. Emphasis is on current literature, how recent research fits into clinical practice, and new interventions on the market.

*A-F Grading*  
*Effective term: Fall 2014*

**ATTR 661 - Evidence Based Rehabilitation of the Kinetic Chain**

3 credits

A comprehensive examination (through reading, discussion, and hands-on practice) of rehabilitation techniques is presented in this course. Current literature regarding efficacy of rehabilitation is included and provides the foundation of the course.

*Change number, title and description to:*

**ATTR 720 - EB Holistic Care I**

3 credits

The purpose of this course is to help students develop a holistic view of patients while preventing, evaluating, and treating trunk and spine injuries. Students engage in interprofessional education by learning from, with, and about other health care professions in patient-centered collaborative practice.

*A-F Grading*

*Effective term: Fall 2014*

**ATTR 662 - Evidence Based Diagnosis of Orthopedic Injuries**

3 credits

A comprehensive examination of current literature identifies advanced evaluation techniques for orthopedic injuries. Diagnostic accuracy of clinical tests is the foundation of this course.

*Change number, title and description to:*

**ATTR 810 - Evidence Based Holistic Care II**

3 credits

The purpose of this course is to help students develop a holistic view of patients while preventing, evaluating, and treating upper extremity injuries. Students engage in interprofessional education by learning from, with, and about other health care professions in patient-centered collaborative practice.

*A-F Grading*

*Effective term: Fall 2014*

**ATTR 626 - Applied Medicine and Rehabilitation Leadership Administration**

3 credits

This course provides a forum of open discussion and debate of administration issues, and controversial, moral, and ethical questions. Students gain a greater understanding of diverse philosophies and populations, the roles that allied health/sports medicine specialists play, and their contribution to healthcare.

*Change number, title and description to:*

**ATTR 726 - Administration of Health Care**

3 credits

Students participate in facilitated discussion and engage in leadership and administration activities related to applied medicine and rehabilitation.

*A-F Grading*

*Effective term: Fall 2014*

## **NEW PROGRAMS**

**COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Medicine and Rehabilitation**

**Doctorate in Athletic Training (57 credits)**

**CIP Code: 51.0913 Major Code:**

**Brief Summary:**

ISU athletic training has been a pioneer in athletic training education, typically forging the direction for practice, research and educational endeavors. Changes in the healthcare system, practitioner needs and direction of the National Athletic Trainers' Association Education Council necessitates that we review our direction with AT education. The NATA-EC (National Athletic Trainers' Association Education Council) has provided support for increasing the entry-level athletic training education to a Master degree which subsequently elevates post-professional education to a DAT, with the intention of eventually phasing out the undergraduate entry-level education option. Currently 2 DAT programs exist in the United States. ISU would like to be one of the first DAT post professional programs in order to create a longitudinal history thereby increasing name recognition to recruit top level students.

The Department of Applied Medicine would like to eliminate the undergraduate route to athletic training certification by transitioning to an entry-level master degree and in the same process transition the post-professional master degree in athletic training to a doctorate in athletic training. These programs are clinical programs akin to nursing, occupational therapy, physical therapy and physician assistant education.

The purpose of the Doctorate in Athletic Training is to prepare students for a career as an advanced practitioner in athletic training. The global objectives of the Doctorate in Athletic Training program are as follows:

1. To provide competent health care providers who possess advanced skills in prevention, evaluation, treatment and rehabilitation of the active population
2. To decrease the shortage of advanced practitioners in athletic training in Indiana, rural communities and the nation.
3. To improve patient access and quality care for rural and underserved populations. These skills are designed to prepare the student for advanced clinical practice.

### **Student Learning:**

This is a new program; therefore no specific outcomes assessments are available for the DAT. AMR has used the assessment outcomes for the Master in Athletic Training to direct the needs of students in the transition from the Masters to Doctorate in Athletic Training. Current assessment outcomes and observed needs are noted in the discussion among athletic training faculty in the May 2011 minutes. Based on assessments of employers and students and current trends in health care, additional evidence based medicine course to include the neck, spine and head, and additional manual therapy course was added in addition to outcome and translational research courses.

Future evaluation/outcome assessment of the program will mimic current assessment regime and include: Student Instructional Reports (SIRs), instructor/faculty peer reviews, student program exit interviews, alumni assessment of program effectiveness, employer/program director assessment of students, retention surveys, and graduate placement information. These assessment tools are already created (electronically) for within this department and could be easily transferred to meet this program's objectives.

1. Utilize critical thinking with the knowledge derived from evidence based medical

literature for clinical decision making.

2. Demonstrate advanced skill mastery in the application of the treatment, rehabilitation, and reconditioning of injuries/illnesses.
3. Demonstrate advanced skill mastery in the application of the injury/illness prevention, clinical evaluation and diagnosis.
4. Provide safe and effective standards of care for a diverse client population.
5. Demonstrate leadership skills in advance athletic training through effective communication effectively with clients, families, colleagues, other health care workers, and the general public orally and in writing.
6. Demonstrate clinical education skills in advance athletic training through effective mentoring of patients/clients and athletic training students.
7. Demonstrate continuing personal and professional growth to maintain professional competence, advance career development, and contribute to the development of the profession.
8. Analyze trends in health care through outcome and translational research to provide appropriate current practices.

Athletic Training is expected to grow much faster than average from 2008-2018, with an increase need of 44% (U.S. Bureau of Labor Statistics, 2012) which is identical to the need in Indiana (Hoosiers by numbers, 2012). Athletic trainers serve a unique role in the prevention of injuries and illnesses which is crucial to reducing the cost of health care. Job growth is primarily expected in hospitals, outreach clinics, and as physician extenders (in the offices of other health care providers). Further, the demand for preventative care providers will also open opportunities for athletic trainers in fitness and recreational sport centers. Finally, some states are implementing legislation that may require the presence of athletic trainers at all high schools, which would guarantee a rise in these providers in this setting and the necessity for a doctoral degree in the profession.

Trends suggest a rise of 6,000 athletic trainers is expected in the labor pool by 2018; however, turnover and retention remain key issues in the profession (Kahanov & Eberman, 2011). Athletic trainers are making a notable exit from the profession in their late 20s and early 30s (Kahanov & Eberman, 2011), which may increase the demand for these providers in the coming years.

Literature indicates that students who enter a professional education after a bachelor are more likely to stay in the health care profession and in the local area than those completing their professional education at the bachelor level.<sup>1</sup> Retaining individuals in the local area that may also address the needs of the rural and underserved populations supports the ISU strategic initiatives.

1. Kim E, Hwang J. Characteristics associated with intent to stay among Quality improvement nurses. *Int Nurs Rev.* 2011 Mar; 58(1): 89-95.

### **Proposed Catalog Copy:**

**Doctorate in Athletic Training (57 credits)**

**CIP Code: 51.0913 Major Code:**

The purpose of the Doctorate of Athletic Training program is to prepare students for a career as an advanced practitioner in athletic training according to National Athletic Trainers' Association Post Professional Education Committee (NATA-PPEC) accrediting body.

Required Core (57 credits):

Course Sequence:

Semester 1 (Summer 10-weeks)

- ATTR 710 Holistic Health 3 credits
- ATTR 712 Evidence Based Medicine 3 credits
- ATTR 713 Outcome Research Applications 3 credits

Semester 2.

- ATTR 720 EB Holistic Care I 3 credits
- ATTR 755 Clinical Experience in Athletic Training I 1 credits
- ATTR 691 Research Methods 3 credits

Semester 3.

- ATTR 725 Athletic Training Clinical Education 3 credits
- ATTR 726 Administration of Health Care 3 credits
- ATTR 756 Clinical Experience in Athletic Training II 1 credits
- ATTR 798 Research Project 2 credits

Semester 4 (Summer 10 weeks).

- PASS 611 Physical Diagnosis 2 credits
- ATTR 810 ED Holistic Care II 3 credits
- ATTR 811 Translational and Action Reserach 3 credits

Semester 5.

- ATTR 820 Manual Therapy I 3 credits
- ATTR 855 Clinical Experience in Athletic Training III 1 credits
- ATTR 875 Therapeutic Interventions 3 credits
- ATTR 798 Research Project 2 credits

Semester 6.

- ATTR 830 EB Prevention Interventions 3 credits
- ATTR 856 Clinical Experience in Athletic Training IV 1 credits
- ATTR 798 Research Project 2 credits
- HLTH 604 Research Design and Data Analysis 3 credits

Semester 7 (Summer 12 weeks).

- ATTR 840 Manual Therapy II 6 credits

Admission requirements. Applicants must meet the admission requirements for the College of Graduate and Professional Studies. Admission into the Doctorate in Athletic Training will also



require the following:

- A Bachelor's degree from a four (4) year accredited university that culminates in a degree in Athletic Training from a CAATE accredited program

OR

Master's degree in Athletic Training from a CAATE accredited program

- A preferred cumulative grade point average (GPA) of 3.0.
- Confirmation of degree via official transcripts is required.
- Board of Certification in Athletic Training

OR

Confirmation of eligibility to take the Board of Certification examination.

- Resume should include a comprehensive outline of your student, volunteer, and professional work experiences and all honors and awards.
- Recommendations from a health care provider, an academic source, and a community service experience supervisor.
- GRE exam score report is required of all applicants. Official score reports must be sent directly from the Educational Testing Service (ETS) - [www.gre.org](http://www.gre.org). Complete the GRE, with no less than 900 combined score on the Verbal and Quantitative sections.
- Personal Interview. Top applicants will interview with members of the Occupational Therapy admissions committee is required.

*Effective term: Fall 2014*