Notification of Intent to Develop New Program

Institution: New Mexico Highlands University

Contact Person: Andrellita Chavez

Date: August 27, 2009

Degree Program Under Development: Master of Science in Athletic Training

Department Submitting Proposal: Exercise and Sport Sciences

Date of Proposal Submission to NMHED: September 2009

Desired Implementation Date: Fall 2010

Purpose of the Program:

The primary purpose of this program is to produce certified athletic trainers to work in a rapidly expanding health care field. The students will be educated to work and excel in a variety of work settings, including high schools, physical therapy clinics, colleges, and other non-traditional settings. This newly proposed degree is consistent with the mission of New Mexico Highlands University which is to empower students and the region’s ethnic populations to achieve full involvement in the activities of society.

Need:

According to the U.S. Department of Labor’s Bureau of Labor Statistics, employment for athletic trainers is projected to grow 26% by 2016 due to the increasing need for cost-effective health professionals.

The New Mexico Activities Association currently recommends that all 4A & 5A schools hire athletic trainers to address the needs of the students. However, this recommendation is made only to the larger schools because of the money available. The NATA and other organizations such as the American Academy of Family Physicians, American Academy of Orthopaedic Surgeons and many others recommend that all secondary schools should provide the services of a full-time, on-site, certified athletic trainer. This push for secondary schools to hire athletic trainers will increase the need for our alumni in New Mexico and around the country.

The athletic training profession has realized that the profession is less diverse than the people it serves. In 2004 ethnically diverse individuals comprised 28% of the United States population but only 10% of the National Athletic Trainers’ Associations (NATA) members. The NATA is urging that members, educators and policymakers to actively strive to increase diversity within the athletic training profession. There are grants available to schools seeking to enhance diversity in the athletic training profession.

Institutional Commitment to the Program:

Along with being approved by the NMHU Academic Affairs Committee and the NMHU Board of Regents, the program has received letters of support from President Jim Fries, Vice President for Academic Affairs Gilbert Rivera and Associate Vice President for Academic Affairs Linda La Grange.
MAJORS/MINORS and CERTIFICATE PROGRAMS

NEW X REVISED _________ DELETE _________

Proposed Major/Minor: Master of Science Athletic Training Date Submitted 11-19-08
Certificate Program __________________________ Date Submitted ___________
Discipline of Exercise & Sport Sciences __________________________
College/School of Science & Mathematics __________________________
Submitted by Kathy Jenkins Department Head/Program Representative

RECOMMENDATIONS:

✓ Approve ______ Deny __________________________
   College or School Dean Date

✗ Approve ______ Deny __________________________
   Chair, Academic Affairs Committee Date

✓ Approve ______ Deny __________________________
   Vice President, Academic Affairs Date

**************************************************************************

Forwarded to President and Board of Regents for consideration on ___________
Action: Approved ✓ Denied _______ 4/29/09 Date

Distribution: White – Registrar’s Pink – Academic Affairs Yellow – School/Discipline

Revised by the Office of Academic Affairs 12/8/08
Proposal for the
Master of Science Degree in
Athletic Training at New Mexico Highlands University

Prepared and Submitted by
Andrellita Chavez, LATC, MA
Assistant Professor of Athletic Training
August 2009
## Master of Science in Athletic Training Proposal

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Executive Summary

I. Program Description
   a. Academic Purpose

The primary academic purpose of this entry-level program is to produce certified athletic trainers to a rapidly expanding health care field. The students will be educated to work and excel in a variety of work settings, including high schools, physical therapy clinics, colleges, and other non-traditional settings. By educating these students we will be supplying qualified health care professionals, to an industry which is currently looking for cost effective ways of delivering health care to the public. We are targeting students of Northern New Mexico; however we welcome students globally to apply to our program. This newly proposed degree is consistent with the mission of New Mexico Highlands University which is to “empower students and the region’s ethnic populations to achieve full involvement in the activities of society”.

   b. Academic Objectives

      i. Prepare the students for the national Board of Certification Exam for Athletic Trainers
      ii. Prepare students to become competent entry-level athletic trainers
      iii. Supply students with the ability to develop and adapt their skills to an ever changing health care field by being lifelong learners and using evidence-based techniques.
      iv. Develop student’s critical thinking skills in order to be effective practitioners and team members.
      v. Develop collegial relationships with certified athletic trainers and other health care professionals in order to develop a patient first philosophy.

   c. Curriculum

The proposed program is one that is unique because it is the only athletic training program in the state offered as an entry-level Master’s degree. Even more unique is that undergraduate students will be able to graduate in 5 years with both a B.A. and a M.S. The program we are proposing leads to a terminal degree in the athletic training profession. A B.A. in Health in Pre-Professional Athletic Training was approved in the spring that was created to serve as an academic foundation for the Master’s of Science in Athletic Training. The proposed Master’s of Science in Athletic Training will be created, primarily, from classes that are already offered at NMHU, with the addition of five new classes, which will make the program eligible for accreditation by the Commission on Accreditation of Athletic Training Education (CAATE).

II. Need For Program
   a. Relationship to NMHU Mission

      i. A Student Centered University:

The athletic training education program will be a program which integrates problem based learning throughout the curriculum. Problem based learning is grounded on student centered learning activities that engage students in brainstorming, discussions, and debates.
ii. “…seeks to empower students and the region’s ethnic populations to achieve full involvement in the activities of society”
Minority ethnicities are not well represented in the field of athletic training. The National Athletic Trainers’ Association urges athletic trainers to actively strive to increase diversity within the profession. Having an athletic training education program at NMHU will allow students in this region to pursue a degree in a field that lacks representation from this region’s ethnic population.

iii. “…deliver new models for baccalaureate and graduate programs…”
The 3-2 (5) year model is an innovative way to educate our students. Although this model is not new to the health care education community, it will be new to students we serve at New Mexico Highlands University. Physical therapy education schools have moved in this direction as well as other athletic training education programs.

iv. “Relying on well-developed, diverse academic programs that meet the needs of our changing world.”
The health care system is changing dramatically. Due to the high cost of health care there are efforts to find more cost effective ways of meeting an increasing demand. Athletic Trainers have been identified as one of the cost effective professions that will be delivering health care. The health care industry is projected to be one of the largest growing industries in the next eight years. This program will help to supply the athletic trainers that will be needed in the future.

b. Relationships to Other NMHU Programs
The Athletic Training Education Program will be distinct among the programs currently offered at NMHU. The program will serve two different populations, the undergraduate and graduate. We propose to create a 3-2 (5 year) program which will end with the student receiving both a bachelor’s degree and master’s degree in five years. The first three years will be a “pre-professional” phase gaining basic knowledge, readying the student for the advanced work in athletic training. The last two years of the students study will be the “professional” phase focusing mainly on the profession of athletic training and gaining specific knowledge needed to become an effective athletic trainer.

While this program is unique to the university, it integrates courses that are already offered at the university from more than one department. Students will be required to take courses from Human Performance and Sport, Health, Biology and Chemistry, Physics and Psychology. This program will utilize the resources already available at NMHU and makes the need for additional classes minimal.

c. Relationship to other programs offered at other New Mexico universities
The Athletic Training Education Program will be a program that is distinctive to New Mexico. Although the University of New Mexico and New Mexico State have Athletic Training Education Programs, they only offer a traditional Bachelor’s degree. Our program will be unique because we will have an advance track program that allows students to earn a B.A. and M.S. in five years. It will also be unique because we will allow students outside of the undergraduate program to enter the graduate program as
long as they meet all requirements. Because of this difference we will have the capability of attracting a different student population than that of UNM and NMSU.

d. Opportunities for Advanced Degrees

Advanced degrees in the athletic training profession are important. While there are few Universities that grant a doctorate in athletic training, our students will have to opportunity to receive doctorates in other disciplines, including education, exercise science and sports administration offered at other universities in New Mexico as well as around the country.

e. Opportunities for Employment

Our students would be employable by colleges and universities, secondary education institutions, physical therapy clinics, sports medicine clinics, any other medical clinic, military, private and community health clubs, professional sports teams, hospitals, performing arts and commercial or industrial work settings. Certified athletic trainers, enjoy an increasing need for allied health care providers in New Mexico and nationwide according to the U.S. Department of Labor’s Bureau of Labor Statistics. Employment is projected to grow 26% by 2016 due to the increasing need for cost-effective health professionals.

III. Resource Requirements

a. Existing Faculty

NMHU currently has enough faculty to being an Athletic Training Education Program. We have one full time tenure track faculty member and two certified athletic trainers in athletics who can teach the classes necessary to run the program. The athletics department has also stated that they are planning on hiring a third certified athletic trainer who would also be able to teach. Most institutions with Athletic Training Education Programs utilize the rich experience and knowledge of the athletic training staff in the classroom.

b. Enrollment Projected # of student generated credit hours

The Commission on Accreditation of Athletic Training Education states that there can be only eight students per certified athletic trainer, in the clinical setting. This means our program is limited by the number of certified athletic trainers available. Although the student will be exposed to the athletic training room while obtaining the B.A. in Health, the official clinical portion of the athletic training program would not begin until the student reached the Master’s portion of the program.

With current staff in our athletic training room, we would only be able to accommodate twenty four students in the Master’s portion of the Athletic Training Education Program. However, with the addition of one certified athletic trainer, we would be able to accommodate 32 students.
c. Institutional Readiness

NMHU is currently ready to implement this program at any time. The undergraduate (Pre-professional) portion of the program was approved by academic affairs in the Fall of 2008 and will begin in the Fall of 2009. Immediately we can accommodate 16 graduate students but as the program grows we will need more staff or faculty as detailed in the previous section.

NMHU will be the only school in New Mexico who will have an entry-level master’s program in athletic training. NMHU will offer an opportunity to the students of New Mexico that no other university, in New Mexico, is currently capable of. Not only will this program benefit NMHU and the students of New Mexico but it will benefit the entire profession of Athletic Training. The president of the National Athletic Trainers Association (NATA), Marje Albohm, has stated in her letter of support that this program will compliment the commitment of the NATA to diversity by having such an attractive degree available. (Appendix D)

d. Projected Cost (see Appendix C)

NMHU currently has the means necessary to start the Athletic Training Education Program. As the program grows we may need to charge a special fee for the supplies (i.e. tape) used in the athletic training room by the students, while learning/practicing skills.

The NMHU library currently has access to many journals that are needed for the athletic training program. However, there are a few medical journals that need to be subscribed to in order to have the necessary resources for the students. The Journals needed are as follows:

Journal of Bone and Joint Surgery: $344.00
British Journal of Sports Medicine: $856.00
Journal of Sport Rehabilitation: $315.00
**TOTAL:** **$1845.00**

This quote is based on online access to the journals which is acceptable for the program.

We are also requesting three graduate assistantships for the program. The GA’s will assist with the undergraduate athletic training courses and when in their second year of the program assist with the first year courses.

**IV. Other**

a. **Date of Implementation**

We propose to start the pre-professional phase of the 3-2 program in the Fall of 2009. The first cohort of students to graduate from the accelerated 3-2 program would be in the spring of 2014. We propose to start accepting students for the masters program in the Fall of 2010. The first cohort of students to graduate with a Master’s degree will be in the spring of 2012.

b. **Letters of Support**

The program has gained support from the professors within the Department of Exercise and Sport Sciences, the NMHU Institution, as well as the NMHU Athletic Director. Outside the university, NMSU has written a letter in support for the program as well as the President of the National Athletic Trainers Association.

c. **Accreditation**

The Commission on Athletic Training Education (CAATE) is the agency which accredits all entry-level athletic training education programs. In order for our students to work as athletic trainers in New Mexico they must be licensed. In order to acquire licensure our students must sit for the Board of Certification Exam. The only students that can sit for this exam are those who have graduated from a program that has been accredited. This is fairly new mandate. Before the year 2000 students had two routes to choose from in order to sit for the exam: via accredited curriculum or via an internship. NMHU had students who were able to sit for the exam prior to the new mandate via the internship route.

According to the CAATE we would eligible for the site visit in the spring 2012 if the program begins in the Fall of 2010.
Introduction

A brief look at athletic training education and the profession is warranted to understand the need for an athletic training program in Northern New Mexico. A certified athletic trainer’s role in health care has expanded from working solely with athletes in the collegiate and professional settings, to working in a number of other health care settings. Certified athletic trainers can be found almost anywhere people are physically active working under the direction of a physician.

Athletic Trainers are educated to be competent in the following twelve areas: risk management and injury prevention, pathology of injuries and illnesses, orthopedic clinical examination and diagnosis, medical conditions and disabilities, acute care of injuries and illnesses, therapeutic modalities, conditioning and rehabilitative exercise, pharmacology, psychosocial intervention and referral, nutritional aspects of injuries and illnesses, health care administration and professional development and responsibility. Classes must be developed in each of these content areas and they must address specific information in the form of cognitive, in class, learning. The student must also learn to use the skills learned in the classroom. This must be done in both a controlled laboratory setting and in the clinical (real life) setting. (1)

Similar to other allied health fields, such as physical therapy and occupational therapy, there must be a comprehensive basic and applied science background. This background will enable the students to develop appropriate levels of professional competence in the discipline-specific knowledge and skills they must master in the areas described in the proceeding paragraph. The additional course work should include, but is not limited to, chemistry, biology, physics, physiology, psychology and statistics. (1)
Athletic Trainers are certified through the national independent Board of Certification for Athletic Trainers (BOC). Athletic trainers must graduate from an accredited Athletic Training Education Program with a Bachelor’ or Master’s degree and pass a three part examination to become a Certified Athletic Trainer (ATC). To retain certification the credential holder must obtain 80 hours of medically related continuing education credits every three years and adhere to the code of ethics. Practice oversight varies by state. Licensure/regulation for athletic trainers, similar to that of physical and occupational therapists, exists in 43 states, including New Mexico. The remaining seven states are aggressively perusing licensure at this time. (2)

Athletic training has been recognized by the American Medical Association as an allied health care profession for more than a decade. Other organizations such as American Academy of Family Physicians, American Academy of Pediatrics and American Orthopedic Society for Sports medicine are all clinical and academic supporters of athletic trainers. (2) Athletic trainers are multi-skilled health care workers who are employed in physician offices as physician extenders, in rural and urban hospitals, physical therapy clinics, high schools, colleges/universities, commercial settings, professional sports, performing arts companies, and military. (3) In a nationwide Medical Outcomes Survey conducted 1996-1998 results indicated that care provided by certified athletic trainers created positive changes in health related quality of life patient outcomes. (4)

The athletic training profession has realized that the profession is less diverse than the people it serves. In 2004 ethnically diverse individuals comprised 28% of the United States population but only 10% of the National Athletic Trainers’ Associations (NATA) members. The NATA is urging that members, educators and policymakers to actively strive to increase diversity within the athletic training profession. The Ethnic Diversity
Advisory Council was created to help identify and address issues related to increasing diversity within the profession. (5) There are grants available to schools seeking to enhance diversity in the athletic training profession.

With rising health costs and an increase in older people who are likely to need medical care, athletic trainers provide a cost-effective alternative to high quality health care. The Bureau of Labor Statistics expects more employers to hire athletic trainers in-house to take advantage of these cost savings. Because, athletic trainers are accustomed to working in challenging conditions, have a tradition of hands-on care, are trained to be flexible and inventive, they are frequently work in rural and medically underserved areas.(3)

The demand for athletic trainers is on the rise with a push for greater diversity in the profession. As a Hispanic serving institution, New Mexico Highlands University can provide skilled workers who will be trained to work within a medically underserved area. Thus, the New Mexico Highlands University Department of Exercise and Sport Sciences, propose the following addition emphasis is Health: Pre-Professional Athletic Training and program addition: the Master of Science in Athletic Training.

II. Program Description

a. Academic Purpose

The primary academic purpose of this entry-level program is to produce certified athletic trainers to a rapidly expanding health care field. The students will be educated to work and excel in a variety of work settings, including high schools, physical therapy clinics, colleges, and other non-traditional settings. By educating these students we will be supplying qualified health care professionals, to an industry which is currently looking for cost effective ways of delivering health care to the public. (1) We are targeting students of Northern New Mexico; however we welcome students globally to apply to our program. This newly proposed degree is consistent with the mission of New Mexico Highlands University which is to “empower students and the region’s ethnic populations to achieve full involvement in the activities of society”. (2)

b. Academic Objectives

i. Prepare the students for the national Board of Certification Exam for Athletic Trainers

ii. Prepare students to become competent entry-level athletic trainers

iii. Supply students with the ability to develop and adapt their skills to an ever changing health care field by being lifelong learners and using evidence-based techniques.

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(See appendix for course change forms and Syllabi)

i. Existing Courses

<table>
<thead>
<tr>
<th>Current Courses</th>
<th>Proposed Changes</th>
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<tbody>
<tr>
<td>HPS 391 Assessment &amp; Eval of UE</td>
<td>Change to Hlth 410/HSC5xx Examination and Diagnosis of Upper Extremity Injuries and change to a 4 credit course</td>
</tr>
<tr>
<td>HPS 392 Assessment &amp; Eval of LE</td>
<td>Change to Hlth 411/HSC5xx Examination and Diagnosis of Lower Extremity Injuries and change to a 4 credit course</td>
</tr>
<tr>
<td>HPS 420 Advanced Athletic Training</td>
<td>Change to HSC 6xx Athletic Training Clinical III</td>
</tr>
<tr>
<td>Course</td>
<td>Change to</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>-----------------------------------------------</td>
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<tr>
<td>HPS 446 Administration of Athletic Training</td>
<td>Change to HSC 6xx Organization and Administration in Athletic Training</td>
</tr>
<tr>
<td>HPS 482 Therapeutic Rehabilitation</td>
<td>Change to HSC 5xx Therapeutic Rehabilitation</td>
</tr>
<tr>
<td>HPS 481 Therapeutic Modalities</td>
<td>Change to HSC 5xx Therapeutic Modalities and Pharmacology</td>
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<tr>
<td>HPS 532 NSCA Strength Coach Review</td>
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<tr>
<td>HPS 620 Research Methods in HPLS</td>
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<tr>
<td>HPS 670 Assessment &amp; Eval in HPLS</td>
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**Justification:**

**Change HPS 391:** Course should be changed to Hlth 410/ HSC 5xx class because this course will be at the end of the undergraduate curriculum, but also one of the first classes a graduate student would take who did not come from this program. The name change to Examination and Diagnosis of Upper Extremity Injuries is also important in order to follow the current terminology of this health care field. The class should also be changed to a 4 credit class to allow for lab time, because there are many skills that must be learned in addition to the knowledge gained in class.

**Change HPS 393:** Course should be changed to Hlth 411/ HSC 5xx class because this course will be at the end of the undergraduate curriculum, but also one of the first classes a graduate student would take who did not come from this program. The name change to Examination and Diagnosis of Lower Extremity Injuries is also important in order to follow the current terminology of this health care field. The class should also be changed to a 4 credit class to allow for lab time, because there are many skills that must be learned in addition to the knowledge gained in class.

**HPS 420:** Course should be changed to HSC 6xx Athletic Training Clinical III. This course will be the second to last clinical and corner stone experience for the athletic training students.

**HPS 446:** Course should be change to HSC 6xx Organization and Administration in Athletic Training. This course is required in order to meet the CAATE standards. The name change gives a better description of what the course entails.

**HPS 482:** Course should be change to HSC 5xx Therapeutic Rehabilitation in order to be graduate level course work. This course is required in order to meet the CAATE standards.

**HPS 532:** This course will help to fulfill requirements set forth by CAATE. HSC 6xx Athletic Training Clinical III will be a co-requisite and will compliment the class partially as a lab to practice the information gained in the lecture.

**HPS 620:** This course is important because students should learn how to conduct and write research.
**HPS 670**: This course is important because students should learn understand the statistics in the research they conduct and read.

<table>
<thead>
<tr>
<th>ii. New Courses</th>
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<tbody>
<tr>
<td>HSC 5xx</td>
<td>Athletic Training Clinical I</td>
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<tr>
<td>HSC5xx</td>
<td>Athletic Training Clinical II</td>
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<tr>
<td>HSC 6xx</td>
<td>General Medical Conditions</td>
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<tr>
<td>HSC 6xx</td>
<td>Athletic Training Clinical IV</td>
<td>4</td>
</tr>
<tr>
<td>HSC 6xx</td>
<td>Evidence Based Practice</td>
<td>3</td>
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</tbody>
</table>

The CAATE has very specific guidelines for creating a program eligible for accreditation. These classes will complete the course work that has already been created for the athletic training program.

- Athletic Training Clinical I, II & IV will serve as the clinical experience for the students. The students enrolled in this class will meet to go over clinical competencies with the majority of the time being spent in an athletic training setting.
- General Medical Conditions will be a course that covers general medical conditions related to the field of athletic training. This course will help meet the standards set by the CAATE. The lab portion will allow the students to practice what they learn in the class room in a controlled environment.
- Evidence Based Medicine is a course that will focus on teaching the students how to gather the most recent information related to health care in an efficient manner. This course will provide the students with all the skills necessary to stay informed and be a lifelong learner and provide the most up-to-date information and care to patients.

2. New Mexico Highlands University, *Highlands Graduate Catalogue 2007-2009*
Master of Arts in Athletic Training

Prerequisites:

Hlth 210 Athletic Training Observation I
Hlth 213 Nutrition for Exercise and Sport
Hlth 370 Prevention of Injuries and Illnesses
Hlth 311 Athletic Training Observation II
HPS 370 Kinesiology
HPS 372 Applied Kinesiology
HPS 376 Exercise Physiology
Phys 151 & 152 Algebra Physics I & II
Psych 101 Psychology & Society
Biol 211 & 212 General Biology I & II
Biol 331 & 332 Human Anatomy and Physiology I & II
Chem 211 & 212 General Chemistry I & II
Chem 341 & 342 Organic Chemistry I & II
CPR & AED Certification for the Professional Rescuer

The equivalent of Pre-requisite courses will be considered upon approval by the Program Director.

Courses required of all students in the Athletic Training Program

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HSC 5xx</td>
<td>Examination and Diagnosis of Upper Extremity Injuries</td>
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<tr>
<td>HSC 5xx</td>
<td>Examination and Diagnosis of Lower Extremity Injuries</td>
<td>(4)</td>
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<tr>
<td>HSC 5xx</td>
<td>Therapeutic Modalities &amp; Pharm</td>
<td>(4)</td>
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<tr>
<td>HSC 5xx</td>
<td>Therapeutic Rehabilitation</td>
<td>(4)</td>
</tr>
<tr>
<td>HSC 5xx</td>
<td>Athletic Training Clinical I</td>
<td>(3)</td>
</tr>
<tr>
<td>HSC 5xx</td>
<td>Athletic Training Clinical II</td>
<td>(3)</td>
</tr>
<tr>
<td>HPS 532</td>
<td>NSCA Strength Coach Review</td>
<td>(3)</td>
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<tr>
<td>HSC 6xx</td>
<td>Athletic Training Clinical III</td>
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<tr>
<td>HSC 6xx</td>
<td>Athletic Training Clinical IV</td>
<td>(4)</td>
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<tr>
<td>HSC 6xx</td>
<td>General Medical Conditions</td>
<td>(4)</td>
</tr>
<tr>
<td>HSC 6xx</td>
<td>Organization and Administration in Athletic Training</td>
<td>(3)</td>
</tr>
<tr>
<td>HSC 6xx</td>
<td>Evidence Based Medicine</td>
<td>(3)</td>
</tr>
<tr>
<td>Hlth 620</td>
<td>Research methods in HPLS</td>
<td>(3)</td>
</tr>
<tr>
<td>Hlth 670</td>
<td>Assessment &amp; Eval in HPLS</td>
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Major Total Credits (49)
## Curriculum
### ATEP
B.A. Health: Pre-Professional Athletic Training– M.S. in Athletic Training

### 3-2 Program

<table>
<thead>
<tr>
<th>Fall 1</th>
<th>Spring 1</th>
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<tbody>
<tr>
<td>ENGL 112</td>
<td>Freshmen Comp II</td>
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<tr>
<td>CHEM 212</td>
<td>General Chemistry II</td>
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<td>CHEM 216</td>
<td>General Chem Lab II</td>
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<td>BIO 212</td>
<td>General Biology</td>
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Application Requirements for the Athletic Training Education Program

Requirements:

- Students can apply to ATEP each year in the spring. Date TBA
- Student must complete Hlth 370 Prevention of Athletic Injuries and Illnesses with a B or better. If the student did not graduate from NMHU he/she must have a class that is equivalent to this course.
- Student must have a Cumulative GPA of 2.8 or better
- Student must have all Core classes completed
- Student must only have 3 credits of upper division left to fulfill bachelor’s degree requirements plus the credits earned from Hlth 410/ HSC 5xx Examination and Diagnosis of Upper Extremity Injuries and Hlth 411/HSC 5xx Examination and Diagnosis of Lower Extremity Injuries. (total credits needed to complete BA:11)
Committee on Accreditation on Athletic Training Education Standards
All programs wishing to be accredited must meet these standards

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III. Need For Program
   a. Relationship to NMHU Mission
      
      i. A Student Centered University:
         
         The athletic training education program will be a program which integrates problem based learning throughout the curriculum. Problem based learning is grounded on student centered learning activities that engage students in brainstorming, discussions, and debates.(1)
         
         ii. “…seeks to empower students and the region’s ethnic populations to achieve full involvement in the activities of society”
         
         Minority ethnicities are not well represented in the field of athletic training. The National Athletic Trainers’ Association urges athletic trainers to actively strive to increase diversity within the profession.(2) Having an athletic training education program at NMHU will allow students in this region to pursue a degree in a field that lacks representation from this region’s ethnic population.
         
         iii. “...deliver new models for baccalaureate and graduate programs...”
         
         The 3-2 (5) year model is an innovative way to educate our students. Although this model is not new to the health care education community, it will be new to students we serve at New Mexico Highlands University. Physical therapy education schools have moved in this direction as well as other athletic training education programs.
         
         iv. “Relying on well-developed, diverse academic programs that meet the needs of our changing world.”
         
         The health care system is changing dramatically. Due to the high cost of health care there are efforts to find more cost effective ways of meeting an increasing demand. Athletic Trainers have been identified as one of the cost effective professions that will be delivering health care. The health care industry is projected to be one of the largest growing industries in the next eight years. This program will help to supply the athletic trainers that will be needed in the future. (3)

   b. Relationships to Other NMHU Programs
      
      The Athletic Training Education Program will be distinct among the programs currently offered at NMHU. The program will serve two different populations, the undergraduate and graduate. We propose to create a 3-2 (5 year) program which will end with the student receiving both a bachelor’s degree and master’s degree in five years. The first three years will be a “pre-professional” phase gaining basic knowledge, readying the student for the advanced work in athletic training. The last two years of the students study will be the “professional” phase focusing
mainly on the profession of athletic training and gaining specific knowledge needed to become an effective athletic trainer.

Students who have already earned a Bachelor’s degree will also have an opportunity to apply to the two year Master’s program. Students, whether they began as undergraduate students or graduate will be taking the same classes, so there is no need to have separate sections for either cohort since both groups are working towards a Master’s degree.

All students in the Master’s program will have specific prerequisites they must finish before gaining admittance. (see appendix) The prerequisites are the same for both the students in the undergraduate program as well as students who did not complete the undergraduate program at NMHU.

While this program is unique to the university, it integrates courses that are already offered at the university from more than one department. Students will be required to take courses from Human Performance and Sport, Health, Biology and Chemistry, Physics and Psychology. This program will utilize the resources already available at NMHU and makes the need for additional classes minimal.

c. Relationship to other programs offered at other New Mexico universities

The Athletic Training Education Program will be a program that is distinctive to New Mexico. Although the University of New Mexico and New Mexico State have Athletic Training Education Programs, they only offer a traditional Bachelor’s degree. Our program will be unique because we will have an advance track program that allows students to earn a B.A. and M.S. in five years. It will also be unique because we will allow students outside of the undergraduate program to enter the graduate program as long as they meet all requirements. Because of this difference we will have the capability of attracting a different student population than that of UNM and NMSU.

There is also an opportunity for NMHU to partner with other colleges in the area. (e.g. Santa Fe Community College, College of Santa Fe and Luna Community College) A cohort could be created with these schools to create compatible classes that would allow their students to transfer into our 3-2 program. Also, if these schools hire athletic trainers for their student athletes they could also become clinical sites for our students. These partnerships would create a wider variety of clinical experiences for our students.

I also project that the area high schools (Robertson High School and West Las Vegas High School) will serve as clinical sites for our students once they have hired certified athletic trainers for their student athletes. Both schools are either searching for services or are in the process of finding out how they can fund an athletic trainer. The New Mexico Activities Association currently recommends that all 4A & 5A schools hire athletic trainers to address the needs of the students. However, this recommendation is only made to the larger schools because of the money available. The NATA and other organizations such as the, American Academy of Family Physicians, American Academy of Orthopaedic Surgeons and many others recommend that all secondary schools should provide the services of a full-time, on-site, certified athletic trainer. This push for secondary schools to
hire athletic trainers will increase the need for our alumni in New Mexico and around the country.

d. Opportunities for Advanced Degrees

Advanced degrees in the athletic training profession are important. While there are few Universities that grant a doctorate in athletic training, our students will have to opportunity to receive doctorates in other disciplines, including education, exercise science and sports administration offered at other universities in New Mexico as well as around the country.

e. Opportunities for Employment

Our students would be employable by colleges and universities, secondary education institutions, physical therapy clinics, sports medicine clinics, any other medical clinic, military, private and community health clubs, professional sports teams, hospitals, performing arts and commercial or industrial work settings. Certified athletic trainers, enjoy an increasing need for allied health care providers in New Mexico and nationwide according to the U.S. Department of Labor’s Bureau of Labor Statistics. Employment is projected to grow 26% by 2016 due to the increasing need for cost-effective health professionals. (3)

As athletic trainers continue to expand their services, more employers are expected to use these workers to realize the cost savings of providing health care in-house. There should be strong demand for athletic trainers in settings outside the sports world, especially those that focus on health care. Continuing efforts to have an athletic trainer in every high school reflect concern for the health of student-athletes as well as efforts to provide more funding for schools, and may lead to growth in the number of athletic trainers employed in high schools. The best job prospects are primarily positions in the health care industry and fitness and recreational sports centers. Additional job opportunities are expected in elementary and secondary schools as more positions are created. (3)

Currently there are 111 certified athletic trainers working in New Mexico in a variety of settings. This number will only increase with time. Our students will not only be employable in New Mexico but also nationwide in a growing health care field.

f. Outcomes Assessment

See appendix D


III. Resource Requirements

e. Existing Faculty

NMHU currently has enough faculty to being an Athletic Training Education Program. We have one full time tenure track faculty member and two certified athletic trainers in athletics who can teach the classes necessary to run the program. The athletics department has also stated that they are planning on hiring a third certified athletic trainer who would also be able to teach. Most institutions with Athletic Training Education Programs utilize the rich experience and knowledge of the athletic training staff in the classroom.

The current number of certified athletic trainers in athletics would allow us to have 16 students in the program. The addition of one more certified athletic trainer would allow our program to grow to 24 students.

f. Enrollment Projected # of student generated credit hours

The Commission on Accreditation of Athletic Training Education states that there can be only eight students per certified athletic trainer, in the clinical setting. (1) This means our program is limited by the number of certified athletic trainers available. Although the student will be exposed to the athletic training room while obtaining the B.A. in Health, the official clinical portion of the athletic training program would not begin until the student reached the Master’s portion of the program.

With current staff in our athletic training room, we would only be able to accommodate twenty four students in the Master’s portion of the Athletic Training Education Program. However, with the addition of one certified athletic trainer, who has at least 2 years of experience beyond their certification, we would be able to accommodate thirty two students.

It is projected that we will acquire additional clinical sites at one local high school and one physical therapy clinic which would allow for the additional eight slots by the 2011-2012 academic year. If we are able to secure those clinical sites before that date we will allow the additional students into the program.

<table>
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<th>Undergraduate B.A. in Health – Pre-Professional Athletic Training</th>
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<tr>
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<td>2010-2011</td>
<td>2011-2012</td>
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<tr>
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<tr>
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</tr>
<tr>
<td>Total</td>
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<td>24</td>
<td>24</td>
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</table>
Graduate Credit Hour Production (avg. 12 credit hours a semester)

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<thead>
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<th>Year</th>
<th>Number of Students</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
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<td>192</td>
</tr>
<tr>
<td>2011-2012</td>
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<tr>
<td>2014-2015</td>
<td>32</td>
<td>384</td>
</tr>
</tbody>
</table>

**g. Institutional Readiness**

NMHU is currently ready to implement this program at any time. The undergraduate (Pre-professional) portion of the program was approved by academic affairs in the Fall of 2008 and will begin in the Fall of 2009. Immediately we can accommodate 12 graduate students but as the program grows we will need more staff or faculty as detailed in the previous section.

NMHU will be the only school in New Mexico who will have an entry-level master’s program in athletic training. NMHU will offer an opportunity to the students of New Mexico that no other university, in New Mexico, is currently capable of. Not only will this program benefit NMHU and the students of New Mexico but it will benefit the entire profession of Athletic Training. The president of the National Athletic Trainers Association (NATA), Marje Albohm, has stated in her letter of support that this program will compliment the commitment of the NATA to diversity by having such an attractive degree available. (Appendix D)

**h. Projected Cost (Appendix C)**

NMHU currently has the means necessary to start the Athletic Training Education Program. As the program grows we may need to charge a special fee for the supplies (i.e. tape) used in the athletic training room by the students, while learning/practicing skills.

The NMHU library currently has access to many journals that are needed for the athletic training program. However, there are a few medical journals that need to be subscribed to in order to have the necessary resources for the students. The Journals needed are as follows:

- Journal of Bone and Joint Surgery: $344.00
- British Journal of Sports Medicine: $856.00
- Journal of Sport Rehabilitation: $315.00

**TOTAL:** $1845.00

This quote is based on online access to the journals which is acceptable for the program.

We are also requesting three graduate assistantships for the program. The GA’s will assist with the undergraduate athletic training courses and when in their second year of the program assist with the first year courses.
IV. Other

d. Date of Implementation

We propose to start the pre-professional phase of the 3-2 program in the Fall of 2009. The first cohort of students to graduate from the accelerated 3-2 program would be in the spring of 2014. We propose to start accepting students for the masters program in the Fall of 2010. The first cohort of students to graduate with a Master’s degree will be in the spring of 2012.

e. Letters of Support
See Appendix E

f. Accreditation

The Commission on Athletic Training Education (CAATE) is the agency which accredits all entry-level athletic training education programs. In order for our students to work as athletic trainers in New Mexico they must be licensed. In order to acquire licensure our students must sit for the Board of Certification Exam. The only students that can sit for this exam are those who have graduated from a program that has been accredited. This is fairly new mandate. Before the year 2000 students had two routes to choose from in order to sit for the exam: via accredited curriculum or via an internship. NMHU had students who were able to sit for the exam prior to the new mandate via the internship route. According to the CAATE we would be eligible for a site visit once all classes are taught or the last few classes are in session during the site visit.(L Caruthers, Personal Communication, September, 17 2008) We would eligible for the site visit in the spring of 2011.

Appendix A
Change Request Forms
### REQUEST COURSE CHANGE

<table>
<thead>
<tr>
<th>NEW</th>
<th>REVISED X</th>
<th>DELETE</th>
</tr>
</thead>
</table>

**October 2008**

Submitted by the **Exercise and Sport Sciences** Program Representative

A. Proposed Discipline and Course Number: **HSC - 6XX**

B. Course Title: **Administration of Athletic Training**

C. Hours Credit: **3**

D. Total Contact Hours: (Lecture: **3**; Lab: ****)

E. Semester(s) Course to be Offered: **Fall**

F. Proposed Course Description for Catalog: (attach syllabus)

**Discussion of the issues in the organization and administration of athletic training programs to include the knowledge to develop, administer, and manage an athletic training room. Professional responsibilities and avenues of professional development as well as legal implications of misconduct will be addressed.**

**Pre-requisite:** HSC Clinical III

**Co-requisite:** HSC 6xx Clinical IV

G. Course(s) to be discontinued or revised if this course is approve (list course number(s), title(s)), **HPS 481 Administration of Athletic Training**

H. Does this course duplicate or approximate any current course(s) in the Catalog? If so, identify course(s) and justify the proposed new course.

I. Need for Course

   This course will help fulfill the requirements placed by the accrediting agency Commission on Accreditation of Athletic Training Education.

J. Resource requirements

K. Delete Course (effective **Spring 09**)

L. Delete from Global: **YES** **NO**

**ACTION:**

____ Approval __ Denial ________________________________

Department Chair

____ Approval __ Denial ________________________________

School/College Dean

____ Approval __ Denial ________________________________

Academic Affairs Committee

____ Approval __ Denial ________________________________

Provost and Vice President for Academic Affairs

**Distribution:** White-Registrar’s Office  Yellow-Academic Affairs Office  Pink-School/College
REQUEST COURSE CHANGE

NEW X REVISED DELETE

October 2008 ____________________________________________ Date Submitted

Date Received

Submitted by the Exercise and Sport Sciences

Program Representative

M. Proposed Discipline and Course Number: HSC - 5XX

N. Course Title: Athletic Training Clinical I

O. Hours Credit: 3

P. Total Contact Hours: (Lecture: 3; Lab )

Q. Semester(s) Course to be Offered: Fall

R. Proposed Course Description for Catalog: (attach syllabus)

Clinical athletic training experience under the supervision and guidance of a program-approved healthcare provider in an approved setting. Course meets for formal competency development. Includes skill development in first aid and taping and wrapping techniques. Also includes content necessary for completion of Hlth 4/5xx. Specific content includes goniometry and muscle function assessment. Minimum of 128 hours of clinical experience required.

Co-requisite: Hlth 410/ HSC 5xx UE

S. Course(s) to be discontinued or revised if this course is approved (list course number(s), title(s)),

T. Does this course duplicate or approximate any current course(s) in the Catalog? If so, identify course(s) and justify the proposed new course.

U. Need for Course

This course will help fulfill the requirements placed by the accrediting agency Commission on Accreditation of Athletic Training Education.

V. Resource requirements

W. Delete Course (effective Spring 09)

X. Delete from Global YES NO

ACTION:

_____ Approval _____ Denial

Department Chair

_____ Approval _____ Denial

School/College Dean

_____ Approval _____ Denial

Academic Affairs Committee

_____ Approval _____ Denial

Provost and Vice President for Academic Affairs
REQUEST COURSE CHANGE

NEW X REVISED___ DELETE___

October 2008

Date Submitted

Date Received

Submitted by the Exercise and Sport Sciences

Program Representative

A. Proposed Discipline and Course Number: HSC - 5XX

B. Course Title: Athletic Training Clinical II

C. Hours Credit: 3

D. Total Contact Hours: (Lecture: 3; Lab )

E. Semester(s) Course to be Offered: Spring

F. Proposed Course Description for Catalog: (attach syllabus)
   Clinical athletic training experience under the supervision and guidance of a program-approved healthcare provider in an approved setting. Course meets for formal competency development. Also includes content necessary for completion of Hlth 4/5xx Specific content includes goniometry and muscle function assessment. Minimum of 128 hours of clinical experience required.

   Co-requisite: Hlth 411/HSC 5xx LE

G. Course(s) to be discontinued or revised if this course is approve (list course number(s), title(s)),

H. Does this course duplicate or approximate any current course(s) in the Catalog? If so, identify course(s) and justify the proposed new course.

I. Need for Course
   This course will help fulfill the requirements placed by the accrediting agency Commission on Accreditation of Athletic Training Education.

J. Resource requirements

K. Delete Course (effective Spring 09)

L. Delete from Global YES NO

ACTION:

_____ Approval _____ Denial

Department Chair

_____ Approval _____ Denial

School/College Dean

_____ Approval _____ Denial

Academic Affairs Committee

_____ Approval _____ Denial

Provost and Vice President for Academic Affairs
REQUEST COURSE CHANGE

NEW_____ REVISED__X___ DELETE____

October , 2008 __________________________ Date Received

Submitted by the Exercise and Sport Sciences Program Representative

A. Proposed Discipline and Course Number: HSC-5xx

B. Course Title: Examination and Diagnosis of Lower Extremity Injuries

C. Hours Credit: 4

D. Total Contact Hours: (Lecture: 3; Lab 2)

E. Semester(s) Course to be Offered: Spring

F. Proposed Course Description for Catalog: (attach syllabus)
   This course will study the Lower Extremities, Spine Thorax and Abdomen as they relate to the recognition, evaluation, diagnosis and immediate care of sport related orthopedic injuries.
   Prerequisites: Hlth 410/HSC 5xx UE
   Co-requisite: HSC 5xx Clinical Athletic Training II

G. Course(s) to be discontinued or revised if this course is approved (list course number(s), title(s), HPS 393 Assessment and Evaluation of the Lower Extremities

H. Does this course duplicate or approximate any current course(s) in the Catalog? If so, identify course(s) and justify the proposed new course.

I. Need for Course
   This course will help fulfill the requirements of the accrediting agency, CAATE, for the proposed athletic training education program. The name change is important to keep up with the current language of the profession.

J. Resource requirements

K. Delete Course (effective Spring 09)

L. Delete from Global ____________ YES ____________ NO

ACTION:

_____ Approval ____ Denial _____________________________
   Department Chair

_____ Approval ____ Denial _____________________________
   School/College Dean

_____ Approval ____ Denial _____________________________
   Academic Affairs Committee

_____ Approval ____ Denial _____________________________
   Provost and Vice President for Academic Affairs

Distribution: White-Registrar’s Office   Yellow-Academic Affairs Office   Pink-School/College
REQUEST COURSE CHANGE

NEW X REVISED DELETE

October 2008

Date Submitted ____________________________ Date Received ____________________________

Submitted by the Exercise and Sport Sciences Program Representative

A. Proposed Discipline and Course Number: HSC 5xx

B. Course Title: Examination and Diagnosis of Upper Extremity Injuries

C. Hours Credit: 4

D. Total Contact Hours: (Lecture: 3; Lab 2)

E. Semester(s) Course to be Offered: Fall

F. Proposed Course Description for Catalog: (attach syllabus)

G. This course will study the Upper Extremities, Spine Thorax and Abdomen as they relate to the recognition, evaluation, diagnosis and immediate care orthopedic injuries from physical activity.

Prerequisites: Hlth 370, HPS 370, HPS 376, Biol 332, Chem 342

Co-requisite: HSC 5xx Athletic Training Clinical I

H. Course(s) to be discontinued or revised if this course is approve (list course number(s), title(s)), HPS 391 Assessment and Evaluation of the Upper Extremities

I. Does this course duplicate or approximate any current course(s) in the Catalog? If so, identify course(s) and justify the proposed new course.

J. Need for Course

This course will help fulfill the requirements of the accrediting agency, CAATE, for the proposed athletic training education program. The name change is important to keep up with the current language of the profession. This course will also be one of the first courses our graduate students will take if the graduate program is approved.

K. Resource requirements

L. Delete Course (effective Spring 09)

M. Delete from Global YES NO

ACTION:

____Approval ______Denial ____________________________ Department Chair

____Approval ______Denial ____________________________ School/College Dean

____Approval ______Denial ____________________________ Academic Affairs Committee

____Approval ______Denial ____________________________ Provost and Vice President for Academic Affairs

Distribution: White-Registrar’s Office Yellow-Academic Affairs Office Pink-School/College
REQUEST COURSE CHANGE

NEW  REVISED  DELETE

Date Submitted  Date Received

Submitted by the Exercise and Sport Sciences Program Representative

A. Proposed Discipline and Course Number: HSC - 6XX

B. Course Title: Athletic Training Clinical III

C. Hours Credit: 4

D. Total Contact Hours: (Lecture: 3; Lab: 2)

E. Semester(s) Course to be Offered: Fall

F. Proposed Course Description for Catalog: (attach syllabus)

This course provides athletic training experience under the supervision of a program-approved healthcare provider. The course meets throughout the semester for formal competency development. Specific content includes proper weightlifting form, advanced situational assessments, development of career enhancement skills. Minimum of 156 hours of clinical experience required (average of 12 hours per week)

Prerequisites: Hlth 411/ HSC 5xx, HSC 5xx Clinical II, HPS 482
Co-requisite: HPS 532

G. Course(s) to be discontinued or revised if this course is approved (list course number(s), title(s)),

HPS 420 Introduction to Athletic Training

H. Does this course duplicate or approximate any current course(s) in the Catalog? If so, identify course(s) and justify the proposed new course.

I. Need for Course

This course will help fulfill the requirements placed by the accrediting agency Commission on Accreditation of Athletic Training Education.

J. Resource requirements

K. Delete Course (effective Spring 09)

L. Delete from Global YES NO

ACTION:

Approval  Denial

Department Chair

School/College Dean

Academic Affairs Committee

Provost and Vice President for Academic Affairs

Distribution: White-Registrar’s Office  Yellow-Academic Affairs Office  Pink-School/College
REQUEST COURSE CHANGE

NEW **X** REVISED DELETE

October 2008

Date Submitted

Date Received

Submitted by the Exercise and Sport Sciences Program Representative

A. Proposed Discipline and Course Number: **HSC - 5XX**

B. Course Title: **Athletic Training Clinical IV**

C. Hours Credit: **4**

D. Total Contact Hours: (Lecture: **3**; Lab: **2**)

E. Semester(s) Course to be Offered: **Fall**

F. Proposed Course Description for Catalog: (attach syllabus)

Continued athletic training experience under the supervision and guidance of a program-approved healthcare provider in an approved setting. Course meets periodically for formal competency development. Specific content includes situational orthopedic assessment, health care for all age groups and special populations and continued development of taping, bracing, and casting skills. Minimum of 156 hours of clinical experience required (average of 12 hours per week)

Prerequisite: HSC 6xx Clinical III

G. Course(s) to be discontinued or revised if this course is approve (list course number(s), title(s)),

H. Does this course duplicate or approximate any current course(s) in the Catalog? If so, identify course(s) and justify the proposed new course.

I. Need for Course

This course will help fulfill the requirements placed by the accrediting agency Commission on Accreditation of Athletic Training Education.

J. Resource requirements

K. Delete Course (effective Spring 09)

L. Delete from Global __________ YES __________ NO

ACTION:

_____ Approval _____ Denial ________________________________

Department Chair

_____ Approval _____ Denial ________________________________

School/College Dean

_____ Approval _____ Denial ________________________________

Academic Affairs Committee

_____ Approval _____ Denial ________________________________

Provost and Vice President for Academic Affairs

Distribution: White-Registrar’s Office Yellow-Academic Affairs Office Pink-School/College
REQUEST COURSE CHANGE

NEW ____  REVISED ____  DELETE ____

October 2008 ___________________________
Date Submitted ___________________________
Date Received ___________________________

Submitted by the **Exercise and Sport Sciences** Program Representative

A. Proposed Discipline and Course Number: **HSC - 5XX**

B. Course Title: **Therapeutic Modalities**

C. Hours Credit: **4**

D. Total Contact Hours: (Lecture: **3**, Lab: **2**)

E. Semester(s) Course to be Offered: **Fall**

F. Proposed Course Description for Catalog: (attach syllabus)

   **Basic Physiological responses of the human body to the application of therapeutic heat, therapeutic cold, therapeutic electricity, iontophoresis, ultrasound and other basic therapeutic modalities used in sports medicine. Discussion of pharmacological agents on those who are physically active is also an integral part of the lecture.**

G. Course(s) to be discontinued or revised if this course is approved (list course number(s), title(s)), **HPS 481 Therapeutic Modalities**

H. Does this course duplicate or approximate any current course(s) in the Catalog? If so, identify course(s) and justify the proposed new course.

I. Need for Course

   This course will help fulfill the requirements placed by the accrediting agency Commission on Accreditation of Athletic Training Education.

J. Resource requirements

K. Delete Course (effective Spring 09)

L. Delete from Global ________ YES ________ NO

ACTION:

_____ Approval _______ Denial ___________________________
Department Chair

_____ Approval _______ Denial ___________________________
School/College Dean

_____ Approval _______ Denial ___________________________
Academic Affairs Committee

_____ Approval _______ Denial ___________________________
REQUEST COURSE CHANGE

NEW ___ REVISED X ___ DELETE ___

October 2008 ___________________________
Date Submitted Date Received

Submitted by the Exercise and Sport Sciences Program Representative

A. Proposed Discipline and Course Number: HSC - 5XX

B. Course Title: Therapeutic Exercise

C. Hours Credit: 4

D. Total Contact Hours: (Lecture: 3; Lab 2)

E. Semester(s) Course to be Offered: Spring

F. Proposed Course Description for Catalog: (attach syllabus)

A systematic approach to exercise program development as related to athletic injury. Basics of using the various forms of therapeutic exercises, techniques, indications and contraindications of exercise, and exercise progression as related to athletic injury, prevention, reconditioning and return to participation guidelines. Prerequisites: HSC 5xx Modalities

G. Course(s) to be discontinued or revised if this course is approve (list course number(s), title(s)), HPS 482 Therapeutic Exercise

H. Does this course duplicate or approximate any current course(s) in the Catalog? If so, identify course(s) and justify the proposed new course.

I. Need for Course

This course will help fulfill the requirements placed by the accrediting agency Commission on Accreditation of Athletic Training Education.

J. Resource requirements

K. Delete Course (effective Spring 09)

L. Delete from Global YES NO

ACTION:

_____ Approval _____ Denial
Department Chair

_____ Approval _____ Denial
School/College Dean

_____ Approval _____ Denial
Academic Affairs Committee

_____ Approval _____ Denial
Provost and Vice President for Academic Affairs

Distribution: White-Registrar’s Office Yellow-Academic Affairs Office Pink-School/College
REQUEST COURSE CHANGE

October 2008

Submitted by the Exercise and Sport Sciences Program Representative

A. Proposed Discipline and Course Number: HSC - 6XX

B. Course Title: General Medical Conditions

C. Hours Credit: 4

D. Total Contact Hours: (Lecture: 3; Lab 2)

E. Semester(s) Course to be Offered: Fall

F. Proposed Course Description for Catalog: (attach syllabus)
   This course introduces the student to the etiology of normal and abnormal responses to injury and disease. Discussions will center on the following: etiology, pathology, clinical evaluation, medical management, and prognosis of common types of general medical conditions and disabilities.

Prerequisite: HSC5xx rehab, HSC5xx Clinical II

G. Course(s) to be discontinued or revised if this course is approved (list course number(s), title(s)),

H. Does this course duplicate or approximate any current course(s) in the Catalog? If so, identify course(s) and justify the proposed new course.

I. Need for Course
   This course will help fulfill the requirements placed by the accrediting agency Commission on Accreditation of Athletic Training Education.

J. Resource requirements

K. Delete Course (effective Spring 09)

L. Delete from Global YES NO

ACTION:

_____Approval _____Denial ______________________________
   Department Chair

_____Approval _____Denial ______________________________
   School/College Dean

_____Approval _____Denial ______________________________
   Academic Affairs Committee

_____Approval _____Denial ______________________________
   Provost and Vice President for Academic Affairs

Distribution: White-Registrar’s Office Yellow-Academic Affairs Office Pink-School/College
# REQUEST COURSE CHANGE

<table>
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<tr>
<th>NEW X</th>
<th>REVISED</th>
<th>DELETE</th>
</tr>
</thead>
</table>

**Date Submitted**

**Date Received**

Submitted by the **Exercise and Sport Sciences** Program Representative

A. Proposed Discipline and Course Number: **HSC - 6XX**

B. Course Title: **Evidence Based Practice**

C. Hours Credit: **2**

D. Total Contact Hours: (Lecture: **2**; Lab)

E. Semester(s) Course to be Offered: **Spring**

F. Proposed Course Description for Catalog: (attach syllabus)

*This course is designed to expand the student's ability to use research literature to guide clinical decision making and practice. A presentation is required.*

**Prerequisite:** HSC 6xx Clinical II

G. Course(s) to be discontinued or revised if this course is approved (list course number(s), title(s)),

H. Does this course duplicate or approximate any current course(s) in the Catalog? If so, identify course(s) and justify the proposed new course.

I. Need for Course

This course will help fulfill the requirements placed by the accrediting agency Commission on Accreditation of Athletic Training Education.

J. Resource requirements

K. Delete Course (effective Spring 09)

L. Delete from Global ___________YES ___________NO

**ACTION:**

____ Approval _______ Denial

Department Chair

____ Approval _______ Denial

School/College Dean

____ Approval _______ Denial

Academic Affairs Committee

____ Approval _______ Denial

Provost and Vice President for Academic Affairs

**Distribution:**

White-Registrar’s Office  Yellow-Academic Affairs Office  Pink-School/College
Appendix B
Syllabi
**Syllabus**  
**Examination and Diagnosis of Lower Extremity Injuries**  
**HSC 5xx**

- **Instructor:** Andrellita Chavez  
  **Office:** Wilson 233
- **Phone:** 505-426-2195  
  **Fax:** 505-454-3001
- **E-mail:** abchavez@nmhu.edu  
  **Office hours:** TBA
- **Class Time:** TBA  
  **Class Location:** TBA


**Course Description**

Students will study the Lower Extremities, Spine Thorax and Abdomen as they relate to the recognition, evaluation, diagnosis and immediate care of orthopedic injuries caused by physical activity.

**Course Objectives:**

At the conclusion of the course, students should be able to:

1. Based on evaluative findings, formulate a differential diagnosis for a patient's condition.
2. Identify functional limitations and their underlying impairments as part of the evaluative process.
3. Identify and palpate bony and soft tissue structures of the body part(s).
4. Distinguish between primary, cortical and discriminatory forms of sensation.
5. Identify common risk factors and causes of athletic injuries for child, adult, and aging populations.
6. Identify common athletic injuries to each body part and potential mechanisms for those injuries.
7. Identify relationships between signs and symptoms and injury pathologies.
8. Identify presented signs and symptoms as either warranting referral to a physician or not.
9. Apply commonly accepted techniques and procedures for clinical evaluation of common athletic injuries/illnesses including (a) history, (b) inspection, (c) palpation, (d) functional testing (range of motion testing, ligamentous/capsular stress testing, manual muscle testing, sensory and motor neurological testing, posture, etc.) and (e) special evaluation techniques (including gait evaluation).
10. Modify an evaluation relative to the circumstances, selecting only necessary features.
11. Select and perform appropriate techniques for safe removal of an injured athlete from the playing field.
12. Select appropriate initial management strategies for the acutely injured patient.
13. Differentiates the use of diagnostic tests based on their applicability in the assessment of an injury or illness when prescribed by a physician.
14. Demonstrate appropriate and accurate medical record keeping strategies.
15. Determine readiness of a patient to return to activity, using objective criteria.
16. Communicate effectively using language appropriate to the situation and audience

**Expectations:**

1. Students are expected to come to class on time and prepared.
2. Students will have homework in the form of readings and class preparation assignments.
3. Students will give two presentations.
4. There will be a final paper due along with the last presentation.
5. There will be 3 written exams with the final exam being cumulative.
6. Students will need to wear appropriate attire for labs.

**Evaluation:**

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<td>Paper</td>
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<td>Lab</td>
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</table>

**Grading Scale:**

- 90–100: A
- 80–89: B
- 70–79: C
- 60–69: D
- Below 60: F

**Academic Honesty:**

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**NOTE:** “In accordance with federal law, it is university policy to comply with the Americans With Disabilities Act (ADA). If you believe that you have a physical, learning, or psychological disability that requires an academic accommodation, contact the Coordinator of Disability Services by phone at (505) 454-3188 or 454-3252, via e-mail at desquibel@nmhu.edu, or visit Room 108 of the Felix Martinez building on the Las Vegas campus. If you need the document upon which this notice appears in an alternative format, you may also contact the Coordinator of Disability Service.” David Esquibel Student Advisor/Coordinator of Testing and Disability Services
**Syllabus**  
**Examination and Diagnosis of Upper Extremity Injuries**  
**HSC 5xx**

**Instructor:** Andrellita Chavez  
**Office:** Wilson 233

**Phone:** 505-426-2195  
**Fax:** 505-454-3001

**E-mail:** abchavez@nmhu.edu  
**Office hours:** TBA

**Class Time:** TBA  
**Class Location:** TBA


**Course Description:**

This course will study the Upper Extremities, Spine Thorax and Abdomen as they relate to the recognition, evaluation, diagnosis and immediate care orthopedic injuries from physical activity.

**Course Objectives:**

At the conclusion of the course, students should be able to:

1. Based on evaluative findings, formulate a differential diagnosis for a patient's condition.
2. Identify functional limitations and their underlying impairments as part of the evaluative process.
3. Identify and palpate bony and soft tissue structures of the body part(s).
4. Distinguish between primary, cortical and discriminatory forms of sensation.
5. Identify common risk factors and causes of athletic injuries for child, adult, and aging populations.
6. Identify common athletic injuries to each body part and potential mechanisms for those injuries.
7. Identify relationships between signs and symptoms and injury pathologies.
8. Identify presented signs and symptoms as either warranting referral to a physician or not.
9. Apply commonly accepted techniques and procedures for clinical evaluation of common athletic injuries/illnesses including (a) history, (b) inspection, (c) palpation, (d) functional testing (range of motion testing, ligamentous/capsular stress testing, manual muscle testing, sensory and motor neurological testing, posture, etc.) and (e) special evaluation techniques (including gait evaluation).
10. Modify an evaluation relative to the circumstances, selecting only necessary features.
11. Select and perform appropriate techniques for safe removal of an injured athlete from the playing field.
12. Select appropriate initial management strategies for the acutely injured patient.
13. Differentiates the use of diagnostic tests based on their applicability in the assessment of an injury or illness when prescribed by a physician.
14. Demonstrate appropriate and accurate medical record keeping strategies.
15. Determine readiness of a patient to return to activity, using objective criteria.
16. Communicate effectively using language appropriate to the situation and audience.

**Expectations:**

1. Students are expected to come to class on time and prepared.
2. Students will have homework in the form of readings and class preparation assignments.
3. Students will give two presentations.
4. There will be a final paper due along with the last presentation.
5. There will be 3 written exams with the final exam being cumulative.
6. Students will need to wear appropriate attire for labs.

**Evaluation:**

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Syllabus
Clinical Athletic Training I
HSC 5xx

Instructor: Andrellita Chavez  Office: Wilson 233
Phone: 505-426-2195  Fax: 505-454-3001
E-mail: abchavez@nmhu.edu  Office hours: TBA
Class Time: TBA  Class Location: TBA

Course Description

This course will consist of clinical athletic training experience under the supervision and guidance of a program-approved healthcare provider in an approved setting. Course meets for formal competency development. This course includes content necessary for completion of HSC 5xx. Specific content includes goniometry and muscle function assessment. Minimum of 64 hours of clinical experience required.

Course Objectives:

At the conclusion of this course, students should be able to understand and appreciate:
1. Muscle origin, insertion, and action
2. Principles of Goniometry and manual muscle testing
3. Students should be able to do goniometric readings and manual muscle tests for the upper body after this course.

Expectations:

*Competency’s:* The student has a number of skills they must be able to perform in a clinical setting. All must be completed by the end of the Semester.

*Clinical Evaluation:* The student will evaluate him/herself half way through the semester and at the end of the semester. The student will also be evaluated by his/her clinical instructor at those times.

*Hours in ATR:* The student is required to spend an average of 12 hours a week in the athletic training room.

Evaluation:  Competency’s: 50%
Evaluation: 25%
Hours in ATR: 25%

**Grading Scale:**

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Syllabus
Clinical Athletic Training II
HSC 5xx

Instructor: Andrellita Chavez  Office: Wilson 233
Phone: 505-426-2195  Fax: 505-454-3001
E-mail: abchavez@nmhu.edu  Office hours: TBA
Class Time: TBA  Class Location: TBA

Course Description:

This course will consist of clinical athletic training experience under the supervision and guidance of a program-approved healthcare provider in an approved setting. Course meets for formal competency development. Also includes content necessary for completion of HSC 5xx Specific content includes goniometry and muscle function assessment. Minimum of 64 hours of clinical experience required.

Course Objectives:

At the conclusion of this course, students should be able to understand and appreciate:
1. Muscle origin, insertion and Action
2. Principles of Goniometry and manual muscle testing
3. Students should be able to do goniometric readings and manual muscle tests for the lower body after this course.

Expectations:

Competency’s: The student has a number of skills they must be able to perform in a clinical setting. All must be completed by the end of the Semester.

Clinical Evaluation: The student will evaluate him/herself half way through the semester and at the end of the semester. The student will also be evaluated by his/her clinical instructor at those times.

Hours in ATR: The student is required to spend and average of 12 hours a week in the athletic training room.

Evaluation:

Competency’s: 50%
Evaluation: 25%
Hours in ATR: 25%

Grading Scale:

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**Syllabus**  
Clinical Athletic Training III  
HSC 6xx

**Instructor:** Andrellita Chavez  
**Office:** Wilson 233

**Phone:** 505-426-2195  
**Fax:** 505-454-3001

**E-mail:** abchavez@nmhu.edu  
**Office hours:** TBA

**Class Time:** TBA  
**Class Location:** TBA

**Text:** TBA

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**Course Description:**

This course will consist of athletic training experience under the supervision of a program-approved healthcare provider. The course meets throughout the semester for formal competency development. Specific content includes proper weightlifting form, advanced situational assessments, development of career enhancement skills, health care for all age groups and special populations. Minimum of 156 hours of clinical experience required (*average of 12 hours per week*)

**Course Objectives:**

At the conclusion of this course, students should be able to understand and appreciate:
1. Proper technique for all Olympic style lifts and other common lifts
2. Assessments of injuries students may see during clinical experience
3. Resume writing skills
4. Interview skills
5. Proper care for physically active adolescents, elderly and disabled individuals

**Expectations:**

*Advanced Assessments:* Students will given scenarios and tested on assessment skills. Students are expected to take a history, perform and examination, give a diagnosis and immediate plan of care.

*Competency’s:* The student has a number of skills they must be able to perform in a clinical setting. All must be completed by the end of the Semester.

*Clinical Evaluation:* The student will evaluate him/herself half way through the semester and at the end of the semester. The student will also be evaluated by his/her clinical instructor at those times.
*Hours in ATR:* The student is required to spend an average of 12 hours a week in the athletic training room.

**Evaluation:**

- Assessments: 30%
- Competency’s: 30%
- Evaluation: 20%
- Hours in ATR: 20%

**Grading Scale:**

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**Syllabus**  
**Clinical Athletic Training IV**  
**HSC 6xx**

**Instructor:** Andrellita Chavez  
**Office:** Wilson 233

**Phone:** 505-426-2195  
**Fax:** 505-454-3001

**E-mail:** abchavez@nmhu.edu  
**Office hours:** TBA

**Class Time:** TBA  
**Class Location:** TBA

**Text:** TBA

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**Course Description:**

This course will consist of continued athletic training experience under the supervision and guidance of a program-approved healthcare provider in an approved setting. Course meets for formal competency development. Specific content includes situational orthopedic assessment, health care for all age groups and special populations and continued development of taping, bracing, and casting skills. Minimum of 156 hours of clinical experience required *(average of 12 hours per week)*

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**Course Objectives:**

At the conclusion of this course, students should be able to understand and appreciate:

1. Assessments of injuries in specific situations that may occur
2. Advanced taping & bracing skills
3. Casting skills
4. Proper care for physically active adolescents, elderly and disabled individuals

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**Expectations:**

*Situation Assessments:* Students will given scenarios and tested on assessment skills. Students are expected to take a history, perform and examination, give a diagnosis and immediate plan of care.

*Competency’s:* The student has a number of skills they must be able to perform in a clinical setting. All must be completed by the end of the Semester.

*Clinical Evaluation:* The student will evaluate him/herself half way through the semester and at the end of the semester. The student will also be evaluated by his/her clinical instructor at those times.

*Hours in ATR:* The student is required to spend an average of 12 hours a week in the athletic training room.
**Evaluation:**

- Assessments: 30%
- Competency’s: 30%
- Evaluation: 20%
- Hours in ATR: 20%

**Grading Scale:**

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Syllabus
Therapeutic Modalities and Pharmacology
HSC 5xx

Instructor: Andrellita Chavez  Office: Wilson 233
Phone: 505-426-2195  Fax: 505-454-3001
E-mail: abchavez@nmhu.edu  Office hours: TBA
Class Time: TBA  Class Location: TBA


Course Description:
Basic Physiological responses of the human body to the application of therapeutic heat, therapeutic cold, therapeutic electricity, iontophoresis, ultrasound and other basic therapeutic modalities used in sports medicine. Discussion of pharmacological agents on those who are physically active is also an integral part of the lecture.

Course Objectives:
At the conclusion of the course, students should be able to:

1. Explain and understand the physiology of the healing process
2. Recognize the various phases and characteristics of each phase in the healing continuum
3. Develop a working knowledge of the principles of application for a variety of therapeutic modalities
4. Develop analytical skills as to the application of therapeutic modalities in the athletic training setting
5. Demonstrate proficiency in the application of therapeutic modalities to include patient preparation, set-up, determination of dosage and operational procedures
6. Understand indications and contraindications for the use of the various therapeutic modalities
7. Understand indication and contraindications for the use of pharmacological agents
8. Demonstrate a thorough understanding of the legalities of the use of pharmacological agents in the athletic training setting

Expectations:
Assignments: Assignments will include reading and questions that are related to the reading. All assignments must be turned in prior to class starting. No late assignments will be accepted. Assignments will be available via blackboard.

Exams: All exams will be a combination of multiple choice, T/F – correct the F, and short answer. Two exams are take home and will be distributed via blackboard on Fridays. The exam will then be due at 8am the following Monday. For every day the exam is late 10 points will be taken off. These exams are take home however they are not group exams anyone caught cheating will automatically fail the exam and possibly the class. The final exam is an in class exam and attendance is mandatory.

Presentations: There will be a final presentation the last week of class. The presentation will be over the final paper.

Final Paper: The student will write a five page paper on a modality of choice and explain if the research show that works and when.

Evaluation:

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Syllabus
Therapeutic Exercise
HSC 5xx

Instructor: Andrellita Chavez Office: Wilson 233
Phone: 505-426-2195 Fax: 505-454-3001
E-mail: abchavez@nmhu.edu Office hours: TBA
Class Time: TBA Class Location: TBA


Course Description:
A systematic approach to exercise program development as related to athletic injury. Basics of using the various forms of therapeutic exercises, techniques, indications and contraindications of exercise, and exercise progression as related to athletic injury, prevention, reconditioning and return to participation guidelines.

Course Objectives:
At the conclusion of the course, students should be able to:

1. Develop a working knowledge of the principles of application for a variety of therapeutic exercises
2. Develop analytical skills as to the application of therapeutic exercise
3. Demonstrate a proficiency in the application of therapeutic exercise and rehabilitation development
4. Demonstrate proper ambulation and immobilization techniques commonly used in the management of orthopedic injuries
5. Plan and implement a therapeutic exercise program for and athletic injury
6. Understand the criteria for the progression of a rehabilitative exercise program
7. Understand the principles for the return to sport after an injury
8. Develop a working knowledge of the psychological effects of an injury

Expectations:

Assignments: Assignments will include reading and questions that are related to the reading. All assignments must be turned in prior to class starting. No late assignments will be accepted. Assignments will be available via blackboard.

Exams: All exams will be a combination of multiple choice, T/F – correct the F, and short answer. Two exams are take home and will be distributed via blackboard on Fridays. The exam will then be due at 8am the following Monday. For every day the exam is late 10 points will be taken off. These exams are take
home however they are not group exams anyone caught cheating will automatically fail the exam and possibly the class. The final exam is an in class exam and attendance is mandatory.

Presentation: There will be a final presentation the last week of class. The presentation will be based on a case study.

Rehabilitation Programs: The student will create one rehabilitation program for an upper extremity injury and a lower extremity injury.

Case Study: A final paper will be due that will be in the form of a case study in regards to an athletic at the students clinical site.

Evaluation:

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Syllabus
General Medical Conditions
HSC 6xx

Instructor: Andrellita Chavez
Office: Wilson 233

Phone: 505-426-2195
Fax: 505-454-3001

E-mail: abchavez@nmhu.edu
Office hours: TBA

Class Time: TBA
Class Location: TBA


Course Description:
This course introduces the student to the etiology of normal and abnormal responses to injury and disease. Discussions will center on the following: etiology, pathology, clinical evaluation, medical management, and prognosis of common types of general medical conditions and disabilities.

Course Objectives:
At the conclusion of the course, students should be able to:

1. Describe the essential components of a human cell and explain any abnormalities associated with common illnesses
2. Explain cellular adaptations to stress and disease
3. Explain abnormal symptoms associated with common illnesses and diseases
4. Describe the etiology, pathogenesis, pathomechanics, signs, symptoms and epidemiology of common illnesses and diseases.
5. Describe the response of the body to common illnesses and diseases.
6. Understand the effects of common injuries and diseases on physical activity and tissue healing.
7. Describe and perform common techniques for evaluating common medical conditions.
8. Describe and know when to refer common eye, ear, mouth, nose and throat pathologies
9. Describe and know when to refer common respiratory pathologies
10. Describe and know when to refer common Gastrointestinal, endocrine, metabolic, immune system, renal and urogenital pathologies
11. Describe and know when to refer common sin lesions.
12. Describe and know how to refer common cancers

Expectations:
Assignments: Assignments will include reading and questions that are related to the reading. All assignments must be turned in prior to class starting. No late assignments will be accepted. Assignments will be available via blackboard.

Exams: All exams will be a combination of multiple choice, T/F – correct the F, and short answer. Two exams are take home and will be distributed via blackboard on Fridays. The exam will then be due at 8am the following Monday. For every day the exam is late 10 points will be taken off. These exams are take home however they are not group exams anyone caught cheating will automatically fail the exam and possibly the class. The final exam is an in class exam and attendance is mandatory.

Presentation: There will be a final presentation the last week of class. The presentation will be based on a case study.

Case Study: A final paper will be due that will be in the form of a case study in regards to an athlete at the student’s clinical site.

**Evaluation:**

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**Grading Scale:**

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**Academic Honesty:**

Nationally accepted academic policies and NMHU policy and consequences on student academic honesty will be the standard for student work. Plagiarism and other forms of dishonesty will not be tolerated.

**NOTE:** “In accordance with federal law, it is university policy to comply with the Americans With Disabilities Act (ADA). If you believe that you have a physical, learning, or psychological disability that requires an academic accommodation, contact the Coordinator of Disability Services by phone at (505) 454-3188 or 454-3252, via e-mail at desquibel@nmhu.edu, or visit Room 108 of the Felix Martinez building on the Las Vegas campus. If you need the document upon which this notice appears in an alternative format, you may also contact the Coordinator of Disability Service.” David Esquibel Student Advisor/Coordinator of Testing and Disability Services
Instructor: Andrellita Chavez  
Office: Wilson 233  
Phone: 505-426-2195  
Fax: 505-454-3001  
E-mail: abchavez@nmhu.edu  
Office hours: TBA  
Class Time: TBA  
Class Location: TBA  


Course Description:  
Discussion of the issues in the organization and administration of athletic training programs to include the knowledge to develop, administer, and manage an athletic training room. Professional responsibilities and avenues of professional development as well as legal implications of misconduct will be addressed.  

Course Objectives:  
At the conclusion of the course, students should be able to:  

1. Create Emergency Action Plans  
2. Create accurate filing systems for the ATR  
3. Create and Manage and ATR budget  
4. Create floor plans for various settings  
5. Develop a clinical program that takes in to account fair ethical practices  
6. Understand the Human Resources managerial information used to create a program  
7. Understand Reimbursement options for athletic trainers  
8. Understand and prepare preparticipation physical forms  
9. Understand and create Drug-testing Programs  

Expectations:  

Assignments: Assignments will include reading and questions that are related to the reading. All assignments must be turned in prior to class starting. No late assignments will be accepted. Assignments will be available via blackboard.  

Exams: there will be 2 exams throughout the semester. If student is not in class the day of the quiz he/she cannot make that quiz up.
**Presentation:** There will be a final presentation the last week of class based on a topic of the students' choice.

**Evaluation:**

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Syllabus
Evidence Based Practice
Hlth 6xx

Instructor: Andrellita Chavez  Office: Wilson 233
Phone: 505-426-2195  Fax: 505-454-3001
E-mail: abchavez@nmhu.edu  Office hours: TBA
Class Time: TBA  Class Location: TBA

Course Description:
This course is designed to expand the student's ability to use research literature to guide clinical decision making and practice. A presentation is required.

Course Objectives:
At the conclusion of the course, students should be able to:

1. Create an answerable clinical question
2. Find the best current evidence
3. Determine the validity reliability of a study
4. Understand sensitivity, specificity and likelihood ratios.
5. Apply EVP to current diagnosis, treatment, and therapy skills.

Expectations:
Assignments: Assignments will include reading and questions that are related to the reading. All assignments must be turned in prior to class starting. No late assignments will be accepted. Assignments will be available via blackboard.

Quizzes: there will be 5 quizzes periodically throughout the semester. If student is not in class the day of the quiz he/she cannot make that quiz up.

Presentation: There will be a final presentation the last week of class based on a topic of the students choice.
**Evaluation:**

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**Grading Scale:**

- 90–100: A
- 80–89: B
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- 60–69: D
- Below 60: F

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Appendix C

Projected Graduate Program Cost Estimates and Resources
# Estimated Revenues

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# Projected Graduate Program Cost Estimates and Resources

## Estimated Revenues

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# Estimated Impact of New Program

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Appendix D
Outcomes Assessment
ASSESSMENT REPORT FOR

Athletic Training
(Instructional Degree Program)                                             M.S.
(Degree Level)    (Major or Minor)

(Period Covered) (Date Submitted)

Note: Provide the following information for each outcome from the previous page. Enlarge the space under each category as needed.

Intended Educational Outcome 1

1. Demonstrate an understanding of the comprehensive knowledge of Athletic Training.

First Means of Assessment for the Above Outcome


While GPA is not our typical “means” for assessing our program outcomes, we use GPA in this instance as a benchmark for our own internal assessments of students’ overall exit performance from our program.

B. DATA RESULTS: Summarize results from data collected.

C. USE OF RESULTS: Describe how results are used for program decision-making and improvement, with evidence of how decisions are implemented.

The outcome assessment data will be utilized in this program review to help strengthen our curricula and means of assessment.

Intended Educational Outcome 2

2. Demonstrate competency in Practical application of athletic training techniques.
First Means of Assessment for the Above Outcome


- a majority of students receive a GPA of 3.0 or above in all Athletic Training Clinicals.

B. DATA RESULTS: Summarize results from data collected.

C. USE OF RESULTS: Describe how results are used for program decision-making and improvement, with evidence of how decisions are implemented.

The date will be utilized in this program review to help strengthen our curricula and means of assessment.
Appendix E
Letters of Support
August 6, 2009

Andrellita Chavez, ATC/L
Assistant Professor of Athletic Training
New Mexico Highlands University
Box 9000
Las Vegas, NM 87701

Dear Professor Chavez:

As you are aware, the NMHU Board of Regents has approved an M.S. degree in Athletic Training. This program fits logically within our Department of Exercise and Sport Science and is consistent with Highlands’ history of offering programming to prepare students to sit for the national exam and certification as an Athletic Trainer.

Many of the classes are already being offered, so the expansion of required resources is minimal and the University is committed to meeting the needs of the program. It is my understanding that this would be the first master’s degree in Athletic Training offered in New Mexico. I am also aware from our own challenges in hiring qualified athletic trainers, that there is a significant need for certified trainers.

Therefore, I am pleased to endorse this proposed program as it is considered by the Council of Graduate Deans and the Higher Education Department.

Sincerely,

James Fries, Ph.D.
President
Andrellita Chavez ATC  
Assistant Professor of Athletic Training  
New Mexico Highlands University  
Department of Exercise and Sport Sciences

Prof. Chavez,

I am pleased to offer my strong support for the proposed Athletic Training Master’s degree. NMHU once had a strong Athletic Training Education Program and offered a minor in Athletic Training, where the Board of Certification allowed “internship route” students to sit for the national exam. However, since 2004 students are required to complete an accredited curriculum in order to take the exam. This degree would meet the standards set by the accreditation agency in both academic and clinical areas.

The advanced degree in athletic training would be in line with the current trends in the athletic training profession and allied health fields as a whole. NMHU would be the first institution in New Mexico to make this move towards a Master’s Level Athletic Training degree. This would be a progressive move for the University and would benefit not only NMHU but the profession of athletic training as well.

Many of the classes that are proposed in the curriculum are already offered at NMHU. The program will take advantage of our current resources while making minor additions to the curriculum in order to meet accreditation standards. This program will give students an opportunity to receive a Bachelor’s and Master’s degree in five years; yet another innovative aspect of the program.

The program has a strong science background that complements the professional portion of the program, which concentrates on the health care of people who are physically active. This degree would allow students to compete in the current and future job market as well as enhance the likelihood of students’ academic advancement. I look forward to seeing this proposal become a reality.

Sincerely,

Linda La Grange, PhD  
Associate Vice President for Academic Affairs  
New Mexico Highlands University
August 14, 2009

Professor Andrellita Chavez, ATC/L
Assistant Professor of Athletic Training
New Mexico Highlands University
PO Box 9000
Las Vegas, NM 87701

Dear Professor Chavez:

I am pleased to write a letter supporting the Master of Science in Athletic Training. This program is a welcomed and needed addition to the Exercise and Sport Sciences Department. The original “internship tract” program was quite successful and flourished when athletic training was offered as a minor. This program will allow the University to be compliant with the new standards of athletic training education, which changed in 2004.

As stated previously, this program has been offered in a different capacity in the past, and those classes will be integrated into the new program. An added plus to this program is that the program does not require substantial additional resources needed. Be assured that the University is committed to meeting the needs of the new Master’s program.

Thank you.

Sincerely,

Gilbert D. Rivera, Ph.D.
Vice President for Academic Affairs
December 17, 2008

Board of Regents
c/o Andrellita Chavez
NMHU
Exercise and Sports Sciences
Box 9000
Las Vegas, NV 87701

Board of Regents:
I am writing to support the establishment of an entry level masters program in Athletic Training at NMHU. There is significant demand for this degree program in our profession and it is a program that is very attractive to students. The NATA has made a significant commitment to fostering diversity. Establishing this degree program in a Hispanic serving institution would greatly benefit the profession and be in concert with the goals of the association.

The Athletic Training faculty at NMHU is highly respected and committed to the highest standard of academic excellence. I have met with program director Andrellita Chavez on several occasions and know the skills and passion she brings to the program. Students would greatly benefit from the education and interaction with this faculty.

NMHU has the opportunity to distinguish itself as one of the leading entry level masters programs in Athletic Training in the nation and by doing so will bring recognition to the entire University.

Thank you for your consideration.

Sincerely,

Marjorie J. Albohm, MS, ATC
President
May 5, 2009

To Whom It May Concern:

After reviewing the proposed curriculum for the New Mexico Highlands University entry-level master’s degree in Athletic Training and the pre-professional track associated with it, I would like to voice my support for the program.

This curriculum appears well thought out and sequenced and would benefit a great many students from our state and the southwest region. There are currently no entry-level masters programs within the state of New Mexico, and as a program director for an undergraduate program, I feel this would be an asset to our state.

During my time at New Mexico State University, there have been a number of students that I could have potentially referred to this program. Unfortunately, up until now, they have had to go out of state for this opportunity.

I hope you will consider approving this program and know that it will benefit the entire state as well as your institution.

Respectfully submitted,

Kim O’Connell-Brock

Kim O’Connell-Brock, MS, ATC/L
Interim Program Director
Dear Andrellita,

This letter is in regards to the proposed Athletic Training Education Program (ATEP) at New Mexico Highlands University.

I am excited about the possibility of having this education opportunity for our students. The field of Athletic Training is such a vital component of intercollegiate athletics, having this program on our campus will have a very positive impact in all facets of serving our student athletes here at HU.

We are committed to helping your program in any way. We are in the process of hiring a 2nd certified trainer and hopefully will be able to bring a 3rd trainer on board in the near future. Our plans are to serve the 420 student athletes that we have at HU in the best possible manner that being said increased staffing in our Sports Medicine dept is a priority.

If you have any questions or concerns please feel to contact me at your convenience.

Sincerely,

Ed Manzanares

Ed Manzanares
Director of Athletics
(505) 454-3351
Ms. Andrillita Chavez
P. O. Box 9000
New Mexico Highlands University
Department of Exercise and Sport Sciences
Las Vegas, NM 87701

Dear Ms. Chavez:

It is a pleasure to write this letter supporting the proposed New Mexico Highlands University Athletic Training Education Program in the Department of Exercise and Sport Sciences. The mission is sound in that it will provide interested and qualified students the preparation needed in order for them to become entry-level athletic trainers.

Nationally, these programs prepare students for careers as allied-health professionals and prepares them for the National Athletic Trainers’ Association Board of Certification examination as well. By so doing, the student could then become certificated and credentialed as a certified athletic trainer.

Through the co-operation of physicians and other allied health personnel, the athletic trainer functions as an vital member of the health care team in secondary schools, colleges and universities, sports medicine clinics, industry, professional sports programs and other allied health settings. It is apparent that such individuals would be in high demand employment-wise throughout the state, especially in northern New Mexico. What a superb opportunity this would be for students at Highlands, for northern New Mexico, and the entire state!

I believe the program, if approved, will fill an important “gap” in the current curriculum in the Exercise and Sport Studies Department and will address bona fide needs of the fitness, sports, and allied-health professions throughout our state. I congratulate you for your efforts in helping to move the department toward much needed this goal.

Sincerely,

C. H. LeRoy, Ph.D.
Associate Professor, Health Education, NMHU
505.426.2233 (office)
Email: cleroy@nmhu.edu

Charles H. (Pete) LeRoy, Ph.D.  Associate Professor
Department of Exercise and Sport Sciences
New Mexico Highlands University
Las Vegas, NM 87701
April 1, 2008

Andrelita Chavez, Professor
Department of Exercise and Sport Sciences
New Mexico Highlands University

Re: Support of the Master’s Degree Program in Athletic Training

Dear professor Chavez,

I’m writing in support of the proposed Master’s Degree Program in Athletic Training. I felt this program will meet the need in the New Mexico State after taking part in several meetings on the subject of your proposal.

I’m not actually working in this field but I do know that people working in sport/recreation organizations are experiencing the shortage of qualified/certified athletic trainers. Personal injury is a prime issue in these organizations because of the nature of sport and physical activity. Hiring a qualified/certified athletic trainer in sport/recreation organizations will provide two competitive advantages for these organizations in terms of risk management: (1) providing safer environment for their customers and (2) avoiding and minimizing liability of their organization. And one of the main areas of this proposed program is risk management and injury prevention. I’m quite sure that this proposed program will meet the needs of high demand of these organizations and also the needs of our students who are looking for future career in this field.

Please let me know if there is anything else I can do to make this new proposal successful.

Sincerely,

Yongsuk Kim, Ph.D.
Assistant Professor of Sport Administration
Exercise and Sport Sciences
12/3/08

To: New Mexico Highlands University Administration

I would like to offer my support to the proposed Athletic Training Program that is being submitted by the Department of Exercise and Sports Science and Ms. Andrellita Chavez, ATC/L. I believe this program will be a great addition to the exercise science programs here at HU.

Respectfully,

[Signature]