Code # 2016G\_NHP11

**New Course Proposal Form**

**Undergraduate Curriculum Council** - Print 1 copy for signatures and save 1 electronic copy.

**Graduate Council** - Print 1 copy for signatures and send 1 electronic copy to [pheath@astate.edu](mailto:pheath@astate.edu)

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| --- |
| **New Course or**  **Experimental Course (1-time offering) (Check one box)**  *Please complete the following and attach a copy of the bulletin page(s) showing what changes are necessary.* |

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| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Chair:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **General Education Committee Chair (If applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8/30/2016 **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8/30/2016 **College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Vice Chancellor for Academic Affairs** |

1. Contact Person (Name, Email Address, Phone Number)

Susan Hanrahan, PhD, Dean

hanrahan@astate.edu

870-972-3112

2. Proposed Starting Term and Bulletin Year

Fall 2017

3. Proposed Course Prefix and Number (Confirm that number chosen has not been used before. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9*. )

AT 5603

4. Course Title – if title is more than 30 characters (including spaces), provide short title to be used on transcripts. Title cannot have any symbols (e.g. slash, colon, semi-colon, apostrophe, dash, and parenthesis). Please indicate if this course will have variable titles (e.g. independent study, thesis, special topics).

Orthopedic Assessment I

5. Brief course description (40 words or fewer) as it should appear in the bulletin.

Provides a study of anatomy and physiology, assessment, evaluation techniques, treatment, and management of conditions affecting the lower extremities and lumbar spine.

6. Prerequisites and major restrictions. (Indicate all prerequisites. If this course is restricted to a specific major, which major. If a student does not have the prerequisites or does not have the appropriate major, the student will not be allowed to register).

1. Are there any prerequisites? No
   1. If yes, which ones?

Enter text...

* 1. Why or why not?

Enter text...

1. Is this course restricted to a specific major? Yes
   1. If yes, which major? Masters in Athletic Training

7. Course frequency(e.g. Fall, Spring, Summer). *Not applicable to Graduate courses.*

Enter text...

8. Will this course be lecture only, lab only, lecture and lab, activity, dissertation, experiential learning, independent study, internship, performance, practicum, recitation, seminar, special problems, special topics, studio, student exchange, occupational learning credit, or course for fee purpose only (e.g. an exam)? Please choose one.

Lecture and lab

9. What is the grade type (i.e. standard letter, credit/no credit, pass/fail, no grade, developmental)?

standard letter

10. Is this course dual listed (undergraduate/graduate)?

No

11. Is this course cross listed? (If it is, all course entries must be identical including course descriptions. It is important to check the course description of an existing course when adding a new cross listed course.)

No

1. If yes, please list the prefix and course number of cross listed course.

Enter text...

1. Are these courses offered for equivalent credit? Choose an item.

Please explain. Enter text...

12. Is this course in support of a new program? Yes

a. If yes, what program?

Masters in Athletic Training

13. Does this course replace a course being deleted? No

a. If yes, what course?

Enter text...

14. Will this course be equivalent to a deleted course? No

a. If yes, which course?

Enter text...

15. Has it been confirmed that this course number is available for use? Yes

*If no: Contact Registrar’s Office for assistance.*

16. Does this course affect another program? No

If yes, provide contact information from the Dean, Department Head, and/or Program Director whose area this affects.

Enter text...

**Course Details**

17. Outline (The course outline should be topical by weeks and should be sufficient in detail to allow for judgment of the content of the course.)

|  |  |  |
| --- | --- | --- |
| **Date** | **Topic** | **Reading** |
| **Week 1** | Evaluation, Terminology, Girth measurement  End feel, MMT  Goniometry | **Starkey:** 1,2,4 |
| **Week 2** | Assessment:  On field/Off field/Clinical  Posture | **Starkey:** 2, 3, 6 |
| **Week 3** | Foot and Toe clinical evaluation | **Starkey:** 5, 8 |
| **Week 4** | Foot and Toe/Ankle and Lower Leg clinical evaluation | **Starkey:** 8, 9 |
| **Week 5** | Nomenclature,  Evaluation process  SOAP, EBP, Foot and Toe | **Starkey:** 1-8 |
| **Week 6** | Ankle and Lower Leg clinical evaluation | **Starkey:** 9 |
| **Week 7** | Knee clinical evaluation | **Starkey:** 10 |
| **Week 8** | Knee clinical evaluation | **Starkey:** 10 |
| **Week 9** | Knee and PFJ clinical evaluation | **Starkey:** 10, 11 |
| **Week 10** | Ankle and Lower Leg, Knee, PFJ | **Starkey:** 9-11 |
| **Week 11** | Pelvis and Thigh clinical evaluation | **Starkey:** 12 |
| **Week 12** | Pelvis and Thigh clinical evaluation | **Starkey:** 12, 7 |
| **Week 13** | Lumbosacral clinical evaluation | **Starkey:** 13 |
| **Week 14** | Lumbosacral clinical evaluation | **Starkey:** 13 |
| **Week 15** | Final Exam |  |

Enter text...

18. Special features (e.g. labs, exhibits, site visitations, etc.)

Lecture and Lab based course implementing scenario based learning

19. Department staffing and classroom/lab resources

See new program proposal.

1. Will this require additional faculty, supplies, etc.?

Enter text...

20. Does this course require course fees? No

*If yes: please attach the New Program Tuition and Fees form, which is available from the UCC website.*

**Course Justification**

21. Justification for course being included in program. Must include:

a. Academic rationale and goals for the course (skills or level of knowledge students can be expected to attain)

Upon completion of this course students will be expected to apply evidence based clinical decision making skills to determine the best approach to evaluating lower extremity injuries to prepare the athletic training student for entry level practice. This course will meet the evaluation and diagnosis competencies and proficiencies outlined by the athletic training accrediting body.

b. How does the course fit with the mission established by the department for the curriculum? If course is mandated by an accrediting or certifying agency, include the directive.

The course contains educational competencies that are required to be met by the Commission on Accreditation of Athletic Training Education.

c. Student population served.

Graduate students admitted to the Masters in Athletic Training program

d. Rationale for the level of the course (lower, upper, or graduate).

Graduate- The proposed athletic training program is a Masters in Athletic Training.

**Assessment**

**University Outcomes**

22. Please indicate the university-level student learning outcomes for which this new course will contribute. Check all that apply.

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| * 1. Global Awareness | * 1. Thinking Critically | * 1. Information Literacy |

**Relationship with Current Program-Level Assessment Process**

23. What is/are the intended program-level learning outcome/s for students enrolled in this course? Where will this course fit into an already existing program assessment process?

**Masters in Athletic Training Program Outcomes**

Students will be able to:

1. Critique research in athletic training and related disciplines as a basis for application to clinical practice.
2. Demonstrate evidence based clinical practice and decision‐making in providing athletic training services
3. Critically analyze, interpret and apply the results of published research and apply the findings to profession practice.
4. Synthesize the principles of biomechanics, anatomy, and neurology to develop therapeutic interventions.
5. Demonstrate the importance of ethical decision-making in patient care decisions.

24. Considering the indicated program-level learning outcome/s (from question #23), please fill out the following table to show how and where this course fits into the program’s continuous improvement assessment process.

*For further assistance, please see the ‘Expanded Instructions’ document available on the UCC - Forms website for guidance, or contact the Office of Assessment at 870-972-2989.*

|  |  |
| --- | --- |
| **Program-Level Outcome 1 (from question #23)** | Critique research in athletic training and related disciplines as a basis for application to clinical practice. |
| Assessment Measure | Written exams, research paper and assignments |
| Assessment Timetable | Fall- end of semester |
| Who is responsible for assessing and reporting on the results? | Program Director |
| **Program-Level Outcome 2 (from question #23)** | Demonstrate evidence based clinical practice and decision‐making in providing athletic training services |
| Assessment Measure | Written exams, research paper and assignments |
| Assessment Timetable | Fall- end of semester |
| Who is responsible for assessing and reporting on the results? | Program Director |
| **Program-Level Outcome 3 (from question #23)** | Critically analyze, interpret and apply the results of published research and apply the findings to profession practice. |
| Assessment Measure | Written exams, research paper and assignments |
| Assessment Timetable | Fall- end of semester |
| Who is responsible for assessing and reporting on the results? | Program Director |
| **Program-Level Outcome 4 (from question #23)** | Synthesize the principles of biomechanics, anatomy, and neurology to develop therapeutic interventions |
| Assessment Measure | Written exams, research paper and assignments |
| Assessment Timetable | Fall- end of semester |
| Who is responsible for assessing and reporting on the results? | Program Director |
| **Program-Level Outcome 5 (from question #23)** | Demonstrate the importance of ethical decision-making in patient care decisions. |
| Assessment Measure | Written exams, research paper and assignments |
| Assessment Timetable | Fall- end of semester |
| Who is responsible for assessing and reporting on the results? | Program Director |

**Course-Level Outcomes**

25. What are the course-level outcomes for students enrolled in this course and the assessment measures and benchmarks for student-learning success?

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| **Outcome 1** | Define and utilize terminology pertinent to anatomical positions, motions, and sites related to the foot and toes, ankle, lower leg, knee, patellofemoral, hip, pelvis, and lumbosacral spine. |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 2** | Explain physiological properties of specific tissues (i.e., muscles, tendons, cartilage, bone & nerves), and what impact these properties have on trauma and healing |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 3** | Identify voluntary muscular movement including proximal to distal attachments of muscles, major motions and functions, and peripheral and segmental nerve innervations in the foot and toes, ankle, lower leg, knee, patellofemoral, hip, pelvis, and lumbosacral spine. |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 4** | Define the components and demonstrate a consistent protocol for an on-field, sideline, and clinical evaluation of the foot and toes, ankle, lower leg, knee, patellofemoral, hip, pelvis, and lumbosacral |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 5** | Identify the differences between reliability, sensitivity, specificity, likelihood ratios, intra and inter rater reliability, and clinical decision rules and their use in injury evaluation |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 6** | Develop and utilize an evidence-based approach during an evaluation, including use of Functional Outcome and Disability Questionnaires |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 7** | Acquire the ability to consistently explain assessment findings at both the professional and patient level |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 8** | Identify and describe the common mechanisms, pathologies, signs and symptoms, and predisposing factors of sport-related injuries of the foot and toes, ankle, lower leg, knee, patellofemoral, hip, pelvis, and lumbosacral spine |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 9** | Identify and describe normal and abnormal motions and positions of the body during all phases of the gait cycle |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 10** | Perform manipulative and motor skills necessary to complete a comprehensive injury evaluation of the musculoskeletal system and common illnesses, injuries, and predisposing conditions. |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 11** | Interpret the results of the injury evaluation and make appropriate decisions, actions and medical referrals |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 12** | Identify and palpate bony landmarks & soft tissue structures of the foot and toes, ankle, lower leg, knee, patellofemoral, hip, pelvis, and lumbosacral spine |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 13** | Describe how to perform and objectively measure and grade when appropriate: active and passive range of motion, muscular strength, girth, neurological function, and other measurements, and differentiate the findings of each |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 14** | Describe and demonstrate neurological assessment procedures by assessing the function of dermatomes, myotomes, and deep tendon reflexes |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 15** | Describe the role and perform a postural examination and be able to recognize postural deviation and predisposing conditions |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 16** | Select and demonstrate appropriate joint stability and special tests used to evaluate for injuries to the foot and toes, ankle, lower leg, knee, patellofemoral, hip, pelvis, and lumbosacral spine in injury evaluation |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 17** | Differentiate the use of diagnostic tests (x-rays, arthrograms, MRI, CT, bone scan, ultrasound, myelogram) based on their applicability in the evaluation of an injury or illness when prescribed by a physician |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 18** | Describe and utilize standardized record keeping methods, documentation, and notes (SOAP, referral, progress) |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 19** | Identify indications and contraindications as they relate athletic participation |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 20** | Perform appropriate examination of injuries to the foot and toes, ankle, lower leg, knee, patellofemoral, hip, pelvis, and lumbosacral spine prior to an individual's return to activity |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |
| **Outcome 21** | Explain the relationship of injury assessment to the systematic observation of the person as a whole |
| Which learning activities are responsible for this outcome? | Lecture, lab and scenario based activities |
| Assessment Measure and Benchmark | assignments, research paper and exams. 80% or better must be achieved |

**Bulletin Changes**

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| **Instructions** |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Follow the following guidelines for indicating necessary changes.**  **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.**  - Deleted courses/credit hours should be marked with a red strike-through (~~red strikethrough~~)  - New credit hours and text changes should be listed in blue using enlarged font (blue using enlarged font).  - Any new courses should be listed in blue bold italics using enlarged font (***blue bold italics using enlarged font***)  *You can easily apply any of these changes by selecting the example text in the instructions above, double-clicking the ‘format painter’ icon 🡪 , and selecting the text you would like to apply the change to.*  *Please visit* [*https://youtu.be/yjdL2n4lZm4*](https://youtu.be/yjdL2n4lZm4) *for more detailed instructions.* |

Paste bulletin pages here...