

Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: COHP

Dept/Division: School of PT

Alpha Designator/Number: PT 789

☒ Graded ☐ CR/NC

Contact Person: Neil Evans

Phone: 6-5617

NEW COURSE DATA:

New Course Title: Musculoskeletal III

Alpha Designator/Number: P T 7 8 9

Title Abbreviation: M S K I I I

(Limit of 25 characters and spaces)

Course Catalog Description: (Limit of 30 words) Advanced diagnosis and management approaches for complex orthopedic and sports PT populations will be covered. Differential diagnosis of upper and lower quarter pathology, along with specialized treatments unique to this population will be emphasized.

Co-requisite(s): None

First Term to be Offered: Fall 2016

Prerequisite(s): All prior PT coursework

Credit Hours: 1

Course(s) being deleted in place of this addition (must submit course deletion form): PT 753 Professional Practice II

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head *Penny E. Kuo*Date *3/23/15*Registrar *Rebecca Angerson* *512.308*Date *3/23/15*College Curriculum Chair *Curriculum Committee*Date *4/3/15*

Graduate Council Chair _____

Date _____

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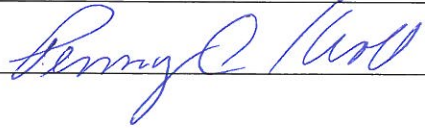
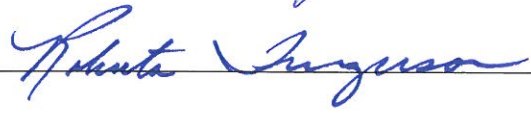
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Credit Hours: 1

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Dept. Chair/Division Head <u></u>	Date <u>3/23/15</u>
Registrar <u> 512.308</u>	Date <u>3/23/15</u>
College Curriculum Chair _____	Date _____
Graduate Council Chair _____	Date _____

Request for Graduate Course Addition - Page 2

College: COHP

Department/Division: School of PT

Alpha Designator/Number: PT 789

Provide complete information regarding the new course addition for each topic listed below. Before routing this form, a complete syllabus also must be attached addressing the items listed on the first page of this form.

1. FACULTY: Identify by name the faculty in your department/division who may teach this course.

Jim Dauber, DPT, DsC, OCS, SCS
Neil Evans, DPT, OCS, CSCS
Saurabh Mehta, PT, PhD
Penny Kroll, PT, PhD

2. DUPLICATION: If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the proposal. Enter "**Not Applicable**" if not applicable.

NOT Applicable

3. REQUIRED COURSE: If this course will be required by another department(s), identify it/them by name. Enter "**Not Applicable**" if not applicable.

Not Applicable

4. AGREEMENTS: If there are any agreements required to provide clinical experiences, attach the details and the signed agreement. Enter "**Not Applicable**" if not applicable.

Not Applicable

5. ADDITIONAL RESOURCE REQUIREMENTS: If your department requires additional faculty, equipment, or specialized materials to teach this course, attach an estimate of the time and money required to secure these items. (Note: Approval of this form does not imply approval for additional resources.) Enter "**Not Applicable**" if not applicable.

Not Applicable

6. COURSE OBJECTIVES: (May be submitted as a separate document)

Please See Attached Syllabus

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7. COURSE OUTLINE (May be submitted as a separate document)

Please See Attached Syllabus

8. SAMPLE TEXT(S) WITH AUTHOR(S) AND PUBLICATION DATES (May be submitted as a separate document)

Please See Attached Syllabus

9. EXAMPLE OF INSTRUCTIONAL METHODS (Lecture, lab, internship)

Please See Attached Syllabus

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10. EXAMPLE EVALUATION METHODS (CHAPTER, MIDTERM, FINAL, PROJECTS, ETC.)

Please See Attached Syllabus

11. ADDITIONAL GRADUATE REQUIREMENTS IF LISTED AS AN UNDERGRADUATE/GRADUATE COURSE

Students will have to complete this course in order to graduate. This change will first effect the class of 2018, which will matriculate in May 2015.

12. PROVIDE COMPLETE BIBLIOGRAPHY (May be submitted as a separate document)

Please See Attached Syllabus

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Please insert in the text box below your course summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:
Course Number and Title:
Catalog Description:
Prerequisites:
First Term Offered:
Credit Hours:

Department:
School of Physical Therapy
Course Number and Title:
PT 789 Musculoskeletal III
Catalog Description:
Advanced diagnosis and management approaches for complex orthopedic and sports PT populations will be covered.
Differential diagnosis of upper and lower quarter pathology, along with specialized treatments unique to this population will be emphasized.
Prerequisites:
All prior PT coursework
First Term Offered:
Fall 2016
Credit Hours:
1

PT 789 Musculoskeletal III
Fall 2016

Course Title/Number	Musculoskeletal III / PT 789
Semester/Year	Fall 2016 (8 weeks)
Days/Time	Tuesday & Thursday, 1:00-3:00
Location	SOPT Room 113
Instructor	Jim Dauber, DPT, DSc, OCS, SCS
Office	SOPT Room 132
Phone	(304) 696-5609
E-Mail	dauber@marshall.edu
Office Hours	By appointment or walk-in
University Policies	By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to www.marshall.edu/academic-affairs and clicking on "Marshall University Policies." Or, you can access the policies directly by going to http://www.marshall.edu/academic-affairs/?page_id=802 Academic Dishonesty/ Excused Absence Policy for Undergraduates/ Computing Services Acceptable Use/ Inclement Weather/ Dead Week/ Students with Disabilities/ Academic Forgiveness/ Academic Probation and Suspension/ Academic Rights and Responsibilities of Students/ Affirmative Action/ Sexual Harassment

Course Description

Advanced diagnosis and management approaches for complex orthopedic and sports PT populations will be covered. Differential diagnosis of upper and lower quarter pathology, along with specialized treatments unique to this population will be emphasized.

Credit Hours: 1

Clock Hours: 4 hours per week (lecture/labs)

Prerequisites/Co-requisites: The student must have successfully completed all prior curricular course work

Required Text, Additional Reading, and Other Materials

Goodman CC, Snyder TK. *Differential Diagnosis for Physical Therapists: Screening for Referral*, 5th ed. St. Louis: Saunders Elsevier, 2013.

McArdle WD, Katch FI, Katch VL. *Exercise Physiology: Nutrition, Energy, and Human Performance*, 8th ed. Philadelphia: Lippincott Williams & Wilkins, 2015.

Appropriate dress for labs. Allow exposure of body region being studied as well as region above and below. Lack of appropriate clothing for a lab will be considered non-participation.

Recommended Materials: None

Computer Requirements

Students must have access to internet for research of evidence, and Blackboard to access course documents, notes, and other materials.

Program's Student Learning Outcomes

Upon completion of the DPT in Physical Therapy, students will be able to: Apply to take the National Physical Therapy Examination in order to become licensed to practice Physical Therapy in the US.

The table below shows the following relationships: How each student learning outcomes will be practiced and assessed in the course.

Course Student Learning Outcomes	Students will gain practice to achieve the learning outcome through:	Students will be assessed using the following methods:
1. Select, administer and interpret results of specific examination procedures in the physical therapy management of patients with complex musculoskeletal pathology and dysfunction of the upper quarter , which may be originating in the cervical, thoracic, scapular or glenohumeral regions <ol style="list-style-type: none">Utilizing peer-reviewed literature, discuss, orally and in writing, the reliability and validity of selected examination procedures, and provide the scientific rationale for selection and interpretation of specific examination procedures pertaining to the upperDemonstrate effective skills in applying appropriate examination procedures.Demonstrate ability to synthesize subjective and objective data to 1) effectively rule out sinister pathology, 2) arrive at an effective physical therapy diagnosis, and 3) prescribe and execute and effective treatment strategy	Lecture Laboratory Practice Case Assignments	✓ Examinations ✓ Case Assignments
2. Select, administer and interpret results of specific examination procedures in the physical therapy management of patients with complex musculoskeletal pathology and dysfunction of the upper quarter , which may be originating in the lumbar, thoracic, pelvic or hip regions <ol style="list-style-type: none">Utilizing peer-reviewed literature, discuss, orally and in writing, the reliability and validity of selected examination procedures, and provide the scientific rationale for selection and interpretation of specific examination procedures pertaining to the upperDemonstrate effective skills in applying appropriate examination procedures.Demonstrate ability to synthesize subjective and	Lecture Laboratory Practice Case Assignments	✓ Examinations ✓ Case Assignments

Course Student Learning Outcomes	Students will gain practice to achieve the learning outcome through:	Students will be assessed using the following methods:
objective data to 1) effectively rule out sinister pathology, 2) arrive at an effective physical therapy diagnosis, and 3) prescribe and execute an effective treatment strategy		
3. Discuss, orally and in writing, diseases common in the sports physical therapy patient population. Specifically, demonstrate ability to identify, manage as appropriate, and recognize the need for routine physician referral and emergent referral.	Assigned Readings Lecture Case Assignments	✓ Examinations ✓ Case Assignments
4. Discuss, orally and in writing, injuries common in the sports physical therapy patient population. Specifically, demonstrate ability to identify, manage as appropriate, and recognize the need for routine physician referral and emergent referral.	Assigned Readings Lecture Case Assignments	✓ Examinations ✓ Case Assignments
5. Discuss orally and in writing, indications for various taping and bracing procedures designed to allow/assist sports patients return to activity while protecting bone/joint/soft tissue structures and maximizing performance. a) Demonstrate selection and skilled application of appropriate taping technique to allow continuation of sport. b) Demonstrate selection and skilled application of appropriate bracing technique to allow continuation of sport	Lecture Demonstration	✓ Practical Examinations
6. Discuss orally and in writing, indications for changing running technique to prevent injury or avoid surgery. Discuss orally and in writing methods/techniques for changing running technique, particularly forefoot running to overcome injury, allow continuation of running, and prevent surgery. a) Demonstrate ability to evaluate a patient's running pattern, and train the patient in new running technique, particularly forefoot running.	Lecture Case / video study	✓ Examinations ✓ Practical demonstration
1. Discuss orally and in writing, methods of performance enhancement for patients who are active in sports. Enhancement will be discussed in the following areas: a. Strength b. Power c. Speed d. Acceleration e. Endurance	Lecture Case Assignments	✓ Examinations ✓ Case Assignment

Course Student Learning Outcomes	Students will gain practice to achieve the learning outcome through:	Students will be assessed using the following methods:
f. Flexibility		

Instructional Methods:

Assigned Readings, Lecture, Laboratory practice, Discussions, Case assignments

***Course Assessment and Grading**

Grading Criteria:			
Quizzes	20%	89.50 – 100	A
Case assignments/demonstrations	20%	79.50- 89.49	B
Midterm	30%	69.50-79.49	C
Final	30%	<69.49	F
Total	100%		

***Attendance Policy:**

The Department policy on attendance will apply.

Academic Dishonesty Policy: All students should be familiar with the university's policy concerning academic dishonesty. This policy can be found on pp. 61 – 64 in the spring 2010 online graduate catalog http://www.marshall.edu/catalog/Graduate/S2010/gr_sp10_final.pdf.

Policy for Students with Disabilities: Marshall University is committed to equal opportunity in education for all students, including those with physical, learning and psychological disabilities. University policy states that it is the responsibility of students with disabilities to contact the Office of Disabled Student Services (DSS) in Prichard Hall 117, phone 304 696-2271 to provide documentation of their disability. Following this, the DSS Coordinator will send a letter to each of the student's instructors outlining the academic accommodation he/she will need to ensure equality in classroom experiences, outside assignment, testing and grading. The instructor and student will meet to discuss how the accommodation(s) requested will be provided. For more information, please visit <http://www.marshall.edu/disabled> or contact Disabled Student Services Office at Prichard Hall 117, phone 304-696-2271.

University Computing Services' Acceptable Use Policy: All students are responsible for knowing this policy, which can be found on the web at <http://www.marshall.edu/ucs/CS/acceptuse.asp>.

Affirmative Action Policy: This course will follow Marshall University's policy on Affirmative Action,

which can be found on p. 16 of the spring 2010 graduate catalog
http://www.marshall.edu/catalog/Graduate/S2010/gr_sp10_final.pdf. Specifically, all students will be afforded equal opportunity without regard to race, color, sex, religion, age, disability, national origin, or sexual orientation.

Inclement Weather Policy: Students can find information concerning Marshall's policy regarding inclement weather on pp. 21 – 23 of the spring 2010 graduate catalog
http://www.marshall.edu/catalog/Graduate/S2010/gr_sp10_final.pdf.

For more information on Marshall University Policies and procedures, please visit:
http://www.marshall.edu/assessment/Syllabus%20Information/University_Policies.doc.

Fair Use of Copyrighted Works:

The instructor(s) may use some works that are copyrighted by the publisher or original author. These works are provided to students under the Educational Fair Use provision of Title 17 of the US Code and are not to be shared with individuals who are not enrolled in this course.

***Course Outline, including due dates for major projects:** The following topics will be covered.

Student's successful completion of this class will be determined by the performance on quizzes, written examinations, Case assignments, and In-class Discussion. Quizzes and Examinations will consist of objective "type" questions that will evaluate the knowledge of the material that has been covered in class. The in-class discussion and Case Assignments will allow students to gain a more in-depth knowledge and application of specific selected pathologies of the Musculoskeletal System. The Tentative Course Schedule is as follows:

DATE	MATERIAL COVERED	Assigned Readings	Assessments
Week 1	The Complex Patient (Upper Quarter)		
Week 2	The Complex Patient (Lower Quarter)		
Week 3	Sports-related diseases		
Week 4	Sports-related injuries		
Week 5	Functional Taping/Bracing		
Week 6	Functional Taping/Bracing		
Week 7	Running training		
Week 8	Performance enhancement		

