Chair: Tracy Christofero | **GC#7: Course Change**

Request for Graduate Course Change

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 | Current Alpha Designator/Number: PT 781 Musculoskeletal I

Contact Person: Neil Evans | Phone: 6-5617

CURRENT COURSE DATA:

Course Title: Musculoskeletal I

Alpha Designator/Number: P T 7 8 1

Title Abbreviation: M S K I

1. Complete this **five** page form in its entirety and route through the departments/committees below for changes to a course involving: course title, alpha designator, course number, course content, credit hours, or catalog description.
2. If this change will affect other departments that require this course, please send a memo to the affected department and include it with this packet, as well as the response received from the affected department.
3. If the changes made to this course will make the course similar in title or content to another department's courses, please send a memo to the affected department and include it with this packet as well as the response received from the affected department.
4. List courses, if any, that will be deleted because of this change (*must submit course deletion form).*
5. If the faculty requirements and/or equipment need to be changed upon approval of this proposal, attach a written estimate of additional needs.

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

Dept. Chair/Division Head Tony Wood	Date 3/23/15
Registrar Roberta Ferguson	Date 3/23/15
College Curriculum Chair Lorraine Gracano	Date 4/3/15
Graduate Council Chair	Date

Chair: Tracy Christofero | **GC#7: Course Change**

Request for Graduate Course Change

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College: COHP Dept/Division: School of PT Current Alpha Designator/Number: PT 781 Musculoskeletal I

Contact Person: Neil Evans Phone: 6-5617

CURRENT COURSE DATA:

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4. List courses, if any, that will be deleted because of this change (*must submit course deletion form).*
5. If the faculty requirements and/or equipment need to be changed upon approval of this proposal, attach a written estimate of additional needs.

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

Dept. Chair/Division Head Tony Wood	Date 3/23/15
Registrar Roberta Ferguson	Date 3/23/15
College Curriculum Chair	Date
Graduate Council Chair	Date

Request for Graduate Course Change - Page 2

College: COHP | Department/Division: School of PT | Alpha Designator/Number: PT 781

Provide complete information regarding the course change for each topic listed below.

Change in CATALOG TITLE: ☐ YES ☒ NO

From ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐ (limited to 30 characters and spaces)

To ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

If Yes, Rationale

Change in COURSE ALPHA DESIGNATOR:

From: ☐☐☐☐ To ☐☐☐☐ ☐ YES ☒ NO

If Yes, Rationale

Change in COURSE NUMBER: ☐ YES ☒ NO

From: ☐☐☐☐ To: ☐☐☐☐

If Yes, Rationale

Change in COURSE GRADING

From ☐ Grade To ☐ Credit/No Credit

Rationale: No Change

Change in CATALOG DESCRIPTION: ☒ YES ☐ NO IF YES, fill in below:

From: Principles of orthopedic medicine with overview of etiology, diagnosis, and surgical management, and physical therapy examination, evaluation, diagnosis and treatment of various upper and lower extremity dysfunctions.

To: The basic principles of orthopedic medicine including an overview of etiology, diagnosis, and surgical management will be covered. Physical Therapy examination, evaluation, diagnosis, and treatment of extremities and spine will be emphasized.

If Yes Rationale: Since spine is being moved into this course it needs to be included in the course description. Additionally, the addition of the word "basic" helps to differentiate between PT 781 MSK I and PT 782 MSK II.

Request for Graduate Course Change - Page 3

Change in COURSE CREDIT HOURS: ☐ YES ☒ NO If YES, fill in below:

NOTE: If credit hours increase/decrease, please provide documentation that specifies the adjusted work requirements.

From

To

Change in COURSE CONTENT: ☒ YES ☐ NO

From The course currently contains musculoskeletal exam, evaluation and intervention of the peripheral joints only.

To The new course would include an introduction and basic skill sets to examine, evaluate, and intervene in both peripheral joints and spine. Essentially, the course objectives of PT 781 MSK I and PT 782 MSK II are being combined into one course. The content in PT 782 MSK II will then be more advanced evaluation and treatment techniques of peripheral joints and spine.

Rationale After teaching these classes for one round, the course coordinator feels that it is too difficult for students to properly evaluate peripheral joints without a good understanding of the spinal relationships. Combining both of these regions of the body will help students better understand the relationship between the spine and peripheral joints. Additionally, this change in combination with the PT 782 proposed changes will allow students to feel more comfortable with higher level evaluation skills after being exposed to a basic understanding of MSK evaluation.
Another rationale for the change deals with feedback from clinical instructors of our students in their first clinical rotation. We have received some feedback from clinicians that they would like for our students to have been taught spine by the time they go into the clinic and this change along with the PT 782 MSK II proposed changes would afford that opportunity.

Request for Graduate Course Change-Page 4

College: COHP

Department: School of Physical Therapy

Course Number/Title PT 781 Musculoskeletal I

1. REQUIRED COURSE: If this course is required by another department(s), identify it/them by name and attach the written notification you sent to them announcing to them the proposed change and any response received. Enter NOT APPLICABLE if not applicable.

NOT APPLICABLE

2. COURSE DELETION: List any courses that will be deleted because of this change. A *Course Deletion* form is also required. Enter NOT APPLICABLE if not applicable.

NOT APPLICABLE

3. ADDITIONAL RESOURCE REQUIREMENTS: If your department requires additional faculty, equipment, or specialized materials as a result of this change, attach an estimate of the time and cost etc. 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

Request for Graduate Course Change - Page 5

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

COURSE DESCRIPTION CHANGE	COURSE NUMBER CHANGE	COURSE TITLE CHANGE
Department:	Department:	Department:
Course Number and Title:	Current Course Number/Title:	Current Course Number/Title:
Rationale:	New Course Number:	New Course Title:
Course Description (old)	Rationale:	Rationale:
Course Description: (new)	Catalog Description:	Catalog Description:
Catalog Description:	Credit hours:	

COURSE DESCRIPTION CHANGE
Department:
School of Physical Therapy
Course Number and Title:
PT 781 Musculoskeletal I
Rationale:
After teaching these classes for one round, the course coordinator feels that it is too difficult for students to properly evaluate peripheral joints without a good understanding of the spinal relationships. Combining both of these regions of the body will help students better understand the relationship between the spine and peripheral joints. Additionally, this change in combination with the PT 782 proposed changes will allow students to feel more comfortable with higher level evaluation skills after being exposed to a basic understanding of MSK evaluation.
Another rationale for the change deals with feedback from clinical instructors of our students in their first clinical rotation. We have received some feedback from clinicians that they would like for our students to have been taught spine by the time they go into the clinic and this change along with the PT 782 MSK II proposed changes would afford that opportunity.
Course Description (old)
Principles of orthopedic medicine with overview of etiology, diagnosis, and surgical management, and physical therapy examination, evaluation, diagnosis and treatment of various upper and lower extremity dysfunctions.
Course Description: (new)
The basic principles of orthopedic medicine including an overview of etiology, diagnosis, and surgical management will be covered. Physical Therapy examination, evaluation, diagnosis, and treatment of extremities and spine will be emphasized.
Catalog Description:
The basic principles of orthopedic medicine including an overview of etiology, diagnosis, and surgical management will be covered. Physical Therapy examination, evaluation, diagnosis, and treatment of extremities and spine will be emphasized.

New

PT 781: Musculoskeletal I
Spring 2016

Course Title/Number	**Musculoskeletal I / PT 781**
Semester/Year	**Spring 2016**
Days/Time	**Monday & Wednesday** **Time: 1-3PM**
Location	**SOPT Room 111**
Instructors	Jim Dauber, PT, DPT, DSc, OCS, SCS
Office	SOPT **Dr. Dauber**: Room 132
Phone	Dr. Dauber: (304) 696-5609
E-Mail	dauber@marshall.edu
Office Hours	Walk-in or by appointment
University Policies	By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy be 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**

The basic principles of orthopedic medicine including an overview of etiology, diagnosis, and surgical management will be covered. Physical Therapy examination, evaluation, diagnosis, and treatment of extremities and spine will be emphasized.

Credit Hours: 3

Clock Hours: 4 hours/week

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

***Required Text, Additional Reading, and Other Materials**

Magee DJ. *Orthopedic Physical Assessment, 6th Edition*. St. Louis: Saunders Elsevier, 2014.

McKinnis, Lynn. Fundamentals of Musculoskeletal Imaging, 4th ed. Philadelphia, PA: F.A. Davis, 2014.

Recommended Materials
Cook CE, Hegedus EJ. Orthopedic Physical Examination Tests; An Evidence-Based Approach 2nd Ed. Pearson 2013: Upper Saddle River, NJ.

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. Identify and describe, orally and in writing, the basic philosophical tenets underlying a scientific approach to the prevention, evaluation and management of patients, across the lifespan, with musculoskeletal pathology and dysfunction, and the legal and regulatory tenets that direct physical therapy practice. CC-5.20; CC-5.43.	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignments
2. Select, administer and interpret results of specific basic examination procedures in the physical therapy management of patients with musculoskeletal pathology and dysfunction of the spine and extremities. CC-5.28, CC-5.29, CC-5.30. a. 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 in the evaluation of patients with axial and peripheral musculoskeletal dysfunction. CC-5.20; CC-5.21; CC-5.22; b. Demonstrate effective skills in applying appropriate examination procedures.	Assigned Readings Lecture Laboratory Practice Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignments ✓ Lab Check offs
3. Appropriately evaluate data obtained from all aspects of the examination, (history, systems review, and test and measures) and other medical test and measures results (such as medical imaging studies and reports), as well as "best evidence" available, and determine a diagnosis that guides patient management in patients with axial and peripheral dysfunction. CC-5.23; CC 5.31; CC 5.32 a. Recognize presence of "red flags" during screening, understand appropriate mechanism	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ 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:
involved, and determine when to treat, refer, or treat and refer. CC-5.27 b. Be prepared for patient and environmental emergencies in various practice settings. CC-5.44		
4. Discuss, orally and in writing, the integration of laboratory and imaging techniques guiding the determination of a differential PT diagnosis of the musculoskeletal system dysfunction. (CC 5.20, 5.22)	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignments
5. Utilizing evaluation results, diagnosis, and other factors such as psychosocial, socioeconomic, and life span considerations, determine a prognosis. CC 5.33	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignment
6. With consideration for legal, ethical and professional obligation and administrative policy and procedures, develop an appropriate, safe and effective patient-centered plan of care that takes into consideration the patient's psychosocial and socioeconomic circumstances. CC-5.34, CC-5.35, CC-5.36 CC 5.57 a. Establish appropriate reevaluation times, monitor patient's status, and utilizing analysis of data collected from patient outcome measures, recognize changes in patient's status that might require change in plan of care. CC 5.38; CC 5.48	Assigned Reading Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignment
7. Considering psychosocial, socioeconomic circumstances and life span considerations of the patient, and resources available, apply sound basic clinical reasoning to establish time sensitive, achievable, patient center goals and outline reliable and valid, measurable, appropriate outcomes to determine treatment success in the patient with musculoskeletal dysfunction of the upper and lower quadrant. CC- 5.19; CC-5.36; CC-5.45; CC-5.47; 5.47; 5.49	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignment
8. Describe, orally and in writing, medical, pharmacological, and surgical interventions utilized in the management of patients with upper and lower quadrant musculoskeletal pathologies who are commonly seen by physical therapists. CC 1	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignment
9. Using evidence such as current peer-reviewed literature and sound clinical reasoning to defend the choice of intervention, select and safely administer appropriate basic interventions (modalities-heat, cold, electrical, traction, water, exercise, functional training, home programs, patient education) to achieve the established goals and outcomes developed for the patient with musculoskeletal dysfunction. CC-5.20; CC-5.21; CC.5.22;	Assigned Readings Lecture Case Assignments Laboratory Practice	✓ Quizzes ✓ Examinations ✓ Case Assignment ✓ Lab Check offs

Course Student Learning Outcomes	Students will gain practice to achieve the learning outcome through:	Students will be assessed using the following methods:
a. Discuss, orally and in writing, the scientific rationale underlying your choice of therapeutic interventions for the patient with musculoskeletal pathology and dysfunction across the lifespan. (CC 5.20, 5.23) b. Demonstrate effective skills in applying appropriate intervention techniques: Therapeutic exercise, functional training in self-care and home management, and at the worksite, prescription, application, and as appropriate, fabrication of devices and equipment, electrotherapeutic modalities, & physical agents and mechanical modalities. CC-5.39 c. Considering the patient's, diagnosis, prognosis, plan of care and needs, determine those components of intervention that may be directed to the PTA. Consider PTA's abilities, jurisdictional law, and practice guidelines, policies, codes of ethics, and facility policy. CC-5.40		
10. Taking into consideration professional guidelines, guidelines required by health care systems and particular practice settings, in a timely, effective manner, complete documentation that includes: a. Examination, evaluation, diagnosis, prognosis, patient plan, including goals/outcomes, interventions. CC-5.42 b. Documentation of discussion of all aspects of discharge planning with patient with musculoskeletal pathology and dysfunction including: CC-5.42 c. Provision of a home exercise program for the purpose of therapeutic progression or maintenance of therapeutic gains (consider patient age in doing so). (CC 5.34-38, 5.41) d. Review of home and work environment, with suggestion for accommodations, as necessary (CC 5.39c) e. Provision of any orthotic, assistive or adaptive equipment necessary for patient safety and function. (CC 5.39e) f. Patient and family/caretaker education and training (consider patient age in doing so). (CC 5.17-18, 5.26) g. Referral to the appropriate health care professional for post-discharge follow-up. CC-5.27	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignment
11. Demonstrate profession demeanor, cultural competence, and effective communications and/or teaching skills, orally and in writing, and consider patient needs, legal requirements,	Assigned Readings Lecture	✓ Quizzes ✓ Examinations

Course Student Learning Outcomes	Students will gain practice to achieve the learning outcome through:	Students will be assessed using the following methods:
and practice guides/policies and guidelines. CC 5.17-18; CC 5.26, 5.40-43 a. When educating the patient and family regarding prognosis, goals and outcomes determined, and plan of care including home program (consider patient age in doing so). CC-5.18; 5.34, 5.41 b. When interacting with other health professionals caring for the patient such as physical therapist assistants, and other health professionals (physicians, nurses and other medical personnel) (CC 5.11, 5.17, 5.40-41) c. When dealing with third-party payers and other health care administrators. CC-5.17, 5.56)	Case Assignments	✓ Case Assignment

Instructional Methods:

Lecture, Guest Lecture, Video, In-class discussions, Case Assignments

***Course Assessment and Grading**

		Grading Criteria:	
Midterm Exam	100 points	89.50 – 100	A
In-Class Assignments (4-5 @ 25 points each)	100-125 points	79.50- 89.49	B
Final Exam	100 points	69.50-79.49	C
Total	300-325 points	<69.50	F

***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/accptuse.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, original author, or other sources. 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:** 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	Assessment
Week 1	Clinical reasoning Cervical/Thoracic		
Week 2	Cervical/Thoracic		
Week 3	Temporomandibular Joint		
Week 4	Shoulder		
Week 5	Shoulder		
Week 6	Elbow		
Week 7	Wrist/Hand		
Spring Break			
Week 8	Lumbosacral		
Week 9	Lumbosacral		
Week 10	Hip		
Week 11	Hip		
Week 12	Knee		

Week 13	Knee		
Week 14	Ankle/Foot		
Week 15	Ankle/Foot		

old

PT 781: Musculoskeletal I
Summer 2014

Course Title/Number	**Musculoskeletal I / PT 781**
Semester/Year	**Summer 2014**
Days/Time	**Tuesday/ Thursday** **Time: 1-4PM**
Location	**SOPT Room 113**
Instructor	Jim Dauber, PT, DPT, DSc, OCS, SCS, Cert MDT
Office	SOPT Room 132
Phone	(304) 696-5609
E-Mail	dauber@marshall.edu
Office Hours	By Appointment
University Policies	By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy be 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**

Principles of orthopedic medicine with overview of etiology, diagnosis, and surgical management, and physical therapy examination, evaluation, diagnosis and treatment of various upper and lower extremity dysfunctions.

Credit Hours: 3

Clock Hours: 6 hours per week

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

***Required Text, Additional Reading, and Other Materials**

Cook CE, Hegedus EJ. Orthopedic Physical Examination Tests; An Evidence-Based Approach 2nd Ed. Pearson 2013: Upper Saddle River, NJ.

Banks K, Hengeveld E. Maitland's Clinical Companion; An Essential Guide for Students. Churchhill Livingstone Elsevier 2010: Philadelphia, PA

Appropriate dress for labs. Allow exposure of the area 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. Identify and describe, orally and in writing, the basic philosophical tenets underlying a scientific approach to the prevention, evaluation and management of patients, across the lifespan, with musculoskeletal pathology and dysfunction, and the legal and regulatory tenets that direct physical therapy practice. CC-5.20; CC-5.43.	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignments
2. Select, administer and interpret results of specific examination procedures in the physical therapy management of patients with musculoskeletal pathology and dysfunction of the cervical spine and **upper quadrant**. CC-5.28, CC-5.29, CC-5.30. a. 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 in the evaluation of patients with **upper and lower quadrant musculoskeletal dysfunction**. CC-5.20; CC-5.21; CC-5.22; b. Demonstrate effective skills in applying appropriate examination procedures.	Assigned Readings Lecture Laboratory Practice Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignments ✓ Lab Check offs
3. Appropriately evaluate data obtained from all aspects of the examination, (history, systems review, and test and measures) and other medical test and measures results (such as medical imaging studies and reports), as well as "best evidence" available, and determine a diagnosis that guides patient management in patients with upper and lower quadrant dysfunction. CC-5.23; CC 5.31; CC 5.32 a. Recognize presence of "red flags" during screening, understand appropriate mechanism involved, and determine when to treat, refer, or treat and refer. CC-5.27 b. Be prepared for patient and environmental emergencies in various practice settings. CC-5.44	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignments
4. Discuss, orally and in writing, the integration of laboratory and imaging techniques guiding the determination of a differential PT diagnosis of the musculoskeletal system	Assigned Readings Lecture	✓ Quizzes ✓ Examinations

Course Student Learning Outcomes	Students will gain practice to achieve the learning outcome through:	Students will be assessed using the following methods:
dysfunction. (CC 5.20, 5.22)	Case Assignments	✓ Case Assignments
5. Utilizing evaluation results, diagnosis, and other factors such as psychosocial, socioeconomic, and life span considerations, determine a prognosis. CC 5.33	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignments
6. With consideration for legal, ethical and professional obligation and administrative policy and procedures, develop an appropriate, safe and effective patient-centered plan of care that takes into consideration the patient's psychosocial and socioeconomic circumstances. CC-5.34, CC-5.35, CC-5.36 CC 5.57 a. Establish appropriate reevaluation times, monitor patient's status, and utilizing analysis of data collected from patient outcome measures, recognize changes in patient's status that might require change in plan of care. CC 5.38; CC 5.48	Assigned Reading Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignment
7. Considering psychosocial, socioeconomic circumstances and life span considerations of the patient, and resources available, apply sound clinical reasoning to establish time sensitive, achievable, patient center goals and outline reliable and valid, measurable, appropriate outcomes to determine treatment success in the patient with musculoskeletal dysfunction of the upper and lower quadrant. CC- 5.19; CC-5.36; CC-5.45; CC-5.47; 5.47; 5.49	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignment
8. Describe, orally and in writing, medical, pharmacological, and surgical interventions utilized in the management of patients with upper and lower quadrant musculoskeletal pathologies who are commonly seen by physical therapists. CC 1	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignment
9. Using evidence such as current peer-reviewed literature and sound clinical reasoning to defend the choice of intervention, select and safely administer appropriate interventions (modalities-heat, cold, electrical, traction, water, exercise, manual therapy techniques, functional training, home programs, patient education) to achieve the established goals and outcomes developed for the patient with musculoskeletal dysfunction. CC-5.20; CC-5.21; CC.5.22; a. Discuss, orally and in writing, the scientific rationale underlying your choice of therapeutic interventions for the patient with musculoskeletal pathology and dysfunction across the lifespan. (CC 5.20, 5.23)	Assigned Readings Lecture Case Assignments Laboratory Practice	✓ Quizzes ✓ Examinations ✓ Case Assignment ✓ Lab Check offs

Course Student Learning Outcomes	Students will gain practice to achieve the learning outcome through:	Students will be assessed using the following methods:
b. Demonstrate effective skills in applying appropriate intervention techniques: Therapeutic exercise, functional training in self-care and home management, and at the worksite, manual therapy techniques (Mobilization/manipulation thrust and non-thrust techniques), prescription, application, and as appropriate, fabrication of devices and equipment, electrotherapeutic modalities, & physical agents and mechanical modalities. CC-5.39 c. Considering the patient's, diagnosis, prognosis, plan of care and needs, determine those components of intervention that may be directed to the PTA. Consider PTA's abilities, jurisdictional law, and practice guidelines, policies, codes of ethics, and facility policy. CC-5.40		
10. Taking into consideration professional guidelines, guidelines required by health care systems and particular practice settings, in a timely, effective manner, complete documentation that includes: a. Examination, evaluation, diagnosis, prognosis, patient plan, including goals/outcomes, interventions. CC-5.42 b. Documentation of discussion of all aspects of discharge planning with patient with musculoskeletal pathology and dysfunction including: CC-5.42 c. Provision of a home exercise program for the purpose of therapeutic progression or maintenance of therapeutic gains (consider patient age in doing so). (CC 5.34-38, 5.41) d. Review of home and work environment, with suggestion for accommodations, as necessary (CC 5.39c) e. Provision of any orthotic, assistive or adaptive equipment necessary for patient safety and function. (CC 5.39e) f. Patient and family/caretaker education and training (consider patient age in doing so). (CC 5.17-18, 5.26) g. Referral to the appropriate health care professional for post-discharge follow-up. CC-5.27	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations ✓ Case Assignment
11. Demonstrate profession demeanor, cultural competence, and effective communications and/or teaching skills, orally and in writing, and consider patient needs, legal requirements, and practice guides/policies and guidelines.	Assigned Readings Lecture Case Assignments	✓ Quizzes ✓ Examinations

Course Student Learning Outcomes	Students will gain practice to achieve the learning outcome through:	Students will be assessed using the following methods:
CC 5.17-18; CC 5.26, 5.40-43 a. When educating the patient and family regarding prognosis, goals and outcomes determined, and plan of care including home program (consider patient age in doing so). CC-5.18; 5.34, 5.41 b. When interacting with other health professionals caring for the patient such as physical therapist assistants, and other health professionals (physicians, nurses and other medical personnel) (CC 5.11, 5.17, 5.40-41) c. When dealing with third-party payers and other health care administrators. CC-5.17, 5.56)		✓ Case Assignment

Instructional Methods:

Lecture, Video, In-class discussions, Laboratory Practice, Case Assignments

***Course Assessment and Grading**

Quizzes (4 @ 5% each)	20%	**Grading Criteria:**	
Group project	25%	89.50 – 100	A
Challenges (2 @ 10% each)	20%	79.50- 89.49	B
Final Exam	35%	69.50-79	C
Total	100%	<69.50	F

***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/accptuse.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.

***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	Assessment
5-20-14	Key Concepts: clinical reasoning & manual therapy SHOULDER: Exam	"Key Concepts" Videos Banks, Ch 17 * Cook, Ch 6 **	
5-22-14	SHOULDER: Exam and Post-Surgical Intervention (RC, Labrum repair, TUBS instability, Capsular shift, Traumatic Fx, AC sprains)	* **	
5-27-13	SHOULDER: Exam and Non-Surgical Intervention (Subacromial Impingement, Tendonitis, Adhesive Capsulitis, AMBRI) Laboratory-based Class	* **	
5-29-14	ELBOW: Exam	Banks, Ch 7 * Cook, Ch 18 **	**Quiz #1**
6-3-14	ELBOW: Post-Surgical Intervention (UCL repair, Bicep repair, Osteochondritis Dissecans, Rotary Instability, Traumatic Fx/dislocation)	* **	
6-5-14	ELBOW: Non-Surgical Intervention (Epicondylitis, Nerve entrapment, Little League elbow, contracture management) Laboratory-based Class	* **	
6-10-14	WRIST/HAND: Exam Saurabh Mehta, PT, PhD	Cook, Ch 8 **	**Quiz #2**
6-12-14	HAND/DIGIT: Non-Surgical and Surgical Intervention (Flexor tendon, Extensor tendon repair, ligamentous repair of hand/digits, Fracture treatment of hand/digits) Saurabh Mehta, PT, PhD	**	
6-17-14	WRIST/HAND: Non-surgical and Post-Surgical Intervention (TFCC, distal radius Fx, Carpal fracture, tendonitis, tenosynovitis) Saurabh Mehta, PT, PhD	**	
6-19-14	UPPER EXTREMITY CHALLENGE		
6-24-14	HIP: Exam HIP: Post-Surgical Intervention (FAI (CAM & Pincer lesion/repair), capsular pattern, THA	Banks, Ch 22 * Cook, Ch 12 **	
6-26-14	HIP: Non-Surgical Intervention (Extra-articular tendonitis, bursitis, etc.) Laboratory-based Class	* **	
7-1-14	KNEE: Exam	Banks, Ch 23 *	**Quiz #3**

		Cook, Ch 13 **	
7-3-14	KNEE: Post-Surgical Intervention (Ligamentous Repair, Meniscus repair, TKA)	* **	
7-8-14	KNEE: Non-Surgical Intervention (Osteochondritis Dissecans, Osgood Schlatter's, tendonitis, PFPS) Laboratory-based Class	* **	
7-10-14	ANKLE/FOOT: Evaluation	Banks, Ch 24 * Cook, Ch 14 **	**Quiz #4**
7-15-14	ANKLE/FOOT: Evaluation; foot structure exam	* **	
7-17-14	ANKLE/FOOT: Intervention	* **	
7-22-14	LOWER EXTREMITY CHALLENGE REVIEW FOR EXAM		
7-24-14	WRITTEN FINAL EXAM		
7-25-14	LAB PRACTICAL (grade toward CASES III)		

* See appropriate examination/treatment manual techniques in *Banks*, as noted on PowerPoint slides.

** See appropriate special tests in *Cook*, as noted on PowerPoint slides.