



North Central State College
MASTER SYLLABUS
2019-2020

- A. Academic Division: Health Sciences
- B. Discipline: Physical Therapist Assistant
- C. Course Number and Title: PHTA2090 Orthopedic Conditions and Interventions
- D. Course Coordinator: Leesa Cox
Assistant Dean: Melinda Roepke, MSN, RN

Instructor Information:

- Name: Click here to enter text.
- Office Location: Click here to enter text.
- Office Hours: Click here to enter text.
- Phone Number: Click here to enter text.
- E-Mail Address: Click here to enter text.

- E. Credit Hours: 3
Lecture: 2 hour
Laboratory: 3 hours
- F. Prerequisites: PHTA2110, PHTA2115
Co-requisites: PHTA2070 (m), PHTA2170 (m)
- G. Syllabus Effective Date: Fall, 2019
- H. Textbook(s) Title:

Orthopaedics for the Physical Therapist Assistant

- Author: Mark Dutton
- Copyright Year: 2018
- Edition: 2nd
- ISBN: 9781284139310

Pathology for the Physical Therapist Assistant

- Authors: Lescher
- Copyright Year: 2012
- Edition:
- ISBN #: 9780803607866

- I. Workbook(s) and/or Lab Manual: None
- J. Course Description: This course is designed to provide more in-depth detail and knowledge involving clinical conditions and interventions related to orthopedic diagnoses. This more advanced subject matter will allow the physical therapist assistant student to integrate previous knowledge into more situations with greater understanding of the orthopedic client.

K. College-Wide Learning Outcomes:

College-Wide Learning Outcome	Assessments - - How it is met & When it is met
Communication – Written	
Communication – Speech	
Intercultural Knowledge and Competence	
Critical Thinking	Exam 1 utilizing Critical Thinking VALUE rubric weeks 4-5
Information Literacy	
Quantitative Literacy	

L. Course Outcomes and Assessment Methods:

Upon successful completion of this course, the student shall:

Outcomes	Assessments – How it is met & When it is met
1. Discuss timeframes of healing of body tissues.	Exam 1 weeks 4-5 and Final exam week 16
2. Explain the different types of fractures.	Exam 1 weeks 4-5 and Final exam week 16
3. Explain signs and symptoms associated with fractures, degenerative joint disease/osteoarthritis and rheumatoid arthritis.	Exam 1 weeks 4-5, Exam 2 weeks 8-9 and Final exam week 16
4. Differentiate the pathogenesis of the orthopedic and musculoskeletal conditions addressed.	Exam 2 weeks 8-9 and Exam 3 weeks 12-13 and Final exam week 16
5. Explain the indications, contraindications and precautions for interventions in regards to the orthopedic and musculoskeletal conditions addressed.	Exam 1 weeks 4-5, Exam 2 weeks 8-9, Exam 3 weeks 12-13 and Final exam week 16
6. Identify the special tests used by the physical therapist for the orthopedic and musculoskeletal conditions addressed.	Exam 2 weeks 8-9 and Exam 3 weeks 12-13 and Final exam week 16
7. Describe the diagnostic resources used with the orthopedic and musculoskeletal conditions addressed.	Exam 1 weeks 4-5, Exam 2 weeks 8-9, Exam 3 weeks 12-13 and Final exam week 16
8. Identify components of orthotic devices.	Final Exam week 16
9. Explain principles of proper orthotic fitting.	Final Exam week 16
10. Discuss intervention philosophies throughout the stages of rehabilitation for orthopedic and musculoskeletal conditions addressed.	Exam 2 weeks 8-9 and Exam 3 weeks 12-13 and Final exam week 16
11. Define medical interventions commonly utilized with the orthopedic and musculoskeletal conditions addressed.	Exam 1 weeks 4-5, Exam 2 weeks 8-9, Exam 3 weeks 12-13 and Final exam week 16
12. Identify and administer selected standardized questionnaires	Exam 1 weeks 4-5, Exam 2 weeks 8-9, Exam 3 weeks 12-13 and Final exam week 16; Midterm lab weeks 7-9 and final lab practical weeks 15-16
13. Integrate the anatomy and physiology principles to the orthopedic and musculoskeletal conditions addressed.	Exam 2 weeks 8-9 and Exam 3 weeks 12-13 and Final exam week 16
14. Identify the level of intervention for the entry-level PTA in specialized orthopedic techniques.	Exam 2 weeks 8-9 and Exam 3 weeks 12-13 and Final exam week 16
15. Demonstrate competence in application of interventions related to orthopedic and musculoskeletal conditions presented with simulated patient.	Midterm lab practical weeks 7-9 and final lab practical weeks 15-16

M. Topical Timeline (Subject to Change):

Week 1: Introduction/Tissue Injury and Healing
Week 2: Pain/Questionnaires
Week 3: Fractures
Week 4: Exam 1
Week 5: DJD & RA
Week 6: Geriatrics
Week 7: Spine
Week 8: Exam 2
Week 9: Shoulder conditions
Week 10: Elbow conditions
Week 11: Wrist and Hand conditions
Week 12: Exam 3
Week 13: Hip conditions
Week 14: Knee conditions
Week 15: Foot and Ankle conditions
Week 16: Comprehensive Final Exam

N. Course Assignments:

1. Lecture:
 - a. 3 exams worth 30% of course grade
 - b. One comprehensive final exam worth 20% of course grade
 - c. A written assignment worth 10% of course grade.
2. Lab:
 - a. One mid-term full lab practical examination worth 20% of course grade.
 - b. One final full lab practical examination which is comprehensive worth 20% of course grade.

O. Recommended Grading Scale:

NUMERIC	GRADE	POINTS	DEFINITION
93-100	A	4.00	Superior
90-92	A-	3.67	Superior
87-89	B+	3.33	Above Average
83-86	B	3.00	Above Average
80-82	B-	2.67	Above Average
77-79	C+	2.33	Average
73-76	C	2.00	Average
70-72	C-	1.67	Below Average
67-69	D+	1.33	Below Average
63-66	D	1.00	Below Average
60-62	D-	0.67	Poor
00-59	F	0.00	Failure

P. Grading and Testing Guidelines:

This is a lecture/lab course which requires a passing grade of 77% in both the lecture and lab component. Lecture is worth 60% of the total grade and lab is worth 40% of the total grade. Once each component has been passed with a 77% grade the two components will be averaged for the final course grade. Students falling below 77% in either component will have failed to meet the requirements to continue in the PTA program.

Q. Examination Policy:

A student who misses a quiz for any reason must notify the instructor and make arrangements for making up the quiz. The student will have three school days from the quiz date to make it up.

A student who must miss an examination for any reason is responsible for notifying the instructor prior to the exam, if possible, or within 24 hours of missed exam, and to make arrangements for making up the examination. The student will have a maximum of five school days from the date of the examination in which to make it up. If the instructor is not notified regarding a missed exam, the student will receive an automatic "0" on the exam.

Final exams will be held as scheduled. Requests to take a final exam earlier should be made only under unusual and extenuating circumstances. These requests are to be submitted, in writing, no later than one week prior to the last class day of the term to the Program Director's office.

R. Class Attendance and Homework Make-Up Policy:

The PTA program is a series of sequential courses developed to build from one class session and course to the next. It is imperative that the student attend all class and laboratory sessions based on the progressive sequence and amount of educational material to be presented in six semesters. All instructors will maintain attendance records and will follow college attendance guidelines and policies.

It will be the responsibility of the student to obtain lecture notes and to make up laboratory sessions. Any student missing two or more classes will be required to meet with the Program Director. Students have a primary responsibility for notifying their instructors about anticipated or planned absences.

S. Classroom Expectations:

Students are expected to attend every class session and listen attentively and interact and behave in a professional manner conducive to learning. If a student is found to be disrupting a class session he/or she may be asked to leave the classroom upon the discretion of the instructor and then be required to meet with the Program Director discuss professional behavior and expectations.

T. College Procedures/Policies:

Important information regarding College Procedures and Policies can be found on the [syllabus supplement](#) located at

<https://sharept.ncstatecollege.edu/committees/1/curriculum/SiteAssets/SitePages/Home/SYLLABUS%20SUPPLEMENT.pdf>

The information can also be found Choose an item.