



North Central State College
MASTER SYLLABUS
2019-2020

- A. Academic Division: Health Sciences
- B. Discipline: Physical Therapist Assistant
- C. Course Number and Title: PHTA2170 Professional Research
- D. Course Coordinator: Heidi Kreglow, MPT
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.](#)
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- E. Credit Hours: 2
- F. Prerequisites: PHTA2110, PHTA2115
Co-requisite(s): PHTA2070, PHTA2090 (M)
- G. Syllabus Effective Date: Fall, 2019
- H. Textbook(s) Title: None
- I. Workbook(s) and/or Lab Manual: None
- J. Course Description: This is a research course which will allow the PTA student to learn to perform evidence-based research to gain further understanding in a particular area as well as to complete a research project and present the material to classmates. This class is graded Pass (P) or No-Pass (NP).
- K. College-Wide Learning Outcomes:

College-Wide Learning Outcome	Assessments - - How it is met & When it is met
Communication – Written	Communication – Written VALUE Rubric
Communication – Speech	Communication – Speech VALUE Rubric
Intercultural Knowledge and Competence	
Critical Thinking	
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. Define components of a research project.	Research project by the end of week 1
2. Define types of research.	Research project by the end of week 2
3. Demonstrate ability to set up a research project by completing an abstract with a small group of peers.	Written assignment due per date on schedule, by the end of week 3
4. Develop oral presentation of research project to educate peers.	Presentation performed on assigned date during the semester, by the end of week 4
5. Construct poster presentation of research project to educate peers.	Organize presentation material in poster format presented on assigned date, by the end of week 5
6. Present oral and poster presentation of research project at a level appropriate for peer understanding.	Presentation performed on assigned date, by the end of week 6
7. Describe scales of measurements	Research project completed and presented on assigned date, by the end of week 7
8. Utilize proper measurement scale in research project.	Research project completed and presented on assigned date.
9. Examine data collected from research process to arrive at a generalized conclusion.	Research project completed and presented on assigned date.
10. Demonstrate the ability to work with peers.	Performed throughout semester during research project.
11. Recognize the importance of research as it applies to meeting the needs of patients and the profession of physical therapy.	Research project completed and presented on assigned date.
12. Compare current treatment modalities to evidenced based practice by analyzing current research	Research project completed and presented on assigned date.

M. Topical Timeline (Subject to Change):

Week 1: Introduction to Research

Week 2: General Characteristics of Desirable Evidence

- a. Research Designs: Overview
- b. Research Designs: Timing
- c. Research Designs: What is the Question

Week 3: Searching for Evidence

- a. Determine which database will be most useful
- b. Aim for highest quality evidence available
- c. Properly collecting research information

Week 4: Research Background

- a. Literature review
- b. Citations of epidemiologic data
- c. Theories, concepts and constructs
- d. Hypotheses

Week 5: Research Design

- a. Research paradigms
- b. Design format: qualitative/quantitative
- c. Time elements

Week 6: Research Subjects

- a. Subject selection
- b. Variables
- c. Measurements

Week 7: Validity in Research Design
Week 8: Midterm
Week 9: Appraising the Evidence
Week 10: Final Thoughts about Research
 a. Clinical measures
 b. Study credibility
 c. Study results
Week 11: Putting it all together
Week 12: Poster Design and Layout
Week 13: Poster Completion in preparation for presentations
Week 14: Oral Presentations
Week 15: Oral Presentations
Week 16: Oral Presentations

N. Course Assignments:

Students will be expected to pass with a 77%.

Each assignment is worth 10 points: Annotated bibliography, abstract, validating the research, PPT of poster, poster completion.

The following assignments are 20 points each: midterm and oral presentations.

O. Recommended Grading Scale:

This course is Pass (P) or Non-Pass (NP).

*Performance Indicators as identified in Clinical Performance Instrument used for clinical outcomes assessment

P. Grading and Testing Guidelines:

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 manor 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.