

The University of Texas at El Paso
College of Health Sciences
Doctor of Physical Therapy Program

PT 6117

PHYSICAL THERAPY CAPSTONE PROJECT II

Spring 2022

COURSE SYLLABUS

Credit Hour: 1

Contact Hours: 15 hours

Schedule: Meetings with advisor determined by each Capstone Advisor
Private Oral Defense with Faculty Tues May 10 from 1pm-5pm
Public Poster Presentation Thurs May 12 from 5pm-7pm

Instructors:

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Course Description: This course continues the scholarly project begun in PT 6116. All students must produce a manuscript suitable for publication in a faculty-approved peer-reviewed journal and a poster appropriate for presentation at a state or national conference.

Course Prerequisites for DPT Students: The UTEP DPT Program curriculum is a lock-step curriculum. Therefore, students must pass all courses in the prior semester of the DPT Program in order to enroll in courses in the subsequent semester. Faculty may consider exceptions for PT 6116 PT Capstone Project I and PT 6117 PT Capstone Project II.

Course Objectives:

By the end of this course, the student will have:

1. Defended a scholarly project (original research or systematic review). (7B: Evidence-based practice and applied statistics; 7D9; 7D11) [Application]
2. Produced a manuscript suitable for submission to a peer-reviewed journal. (7B: Evidence-based practice and applied statistics; 7D9, 7D11) [Synthesis]
3. Presented a scholarly project (original research or systematic review) in poster format that is appropriate for presentation at a state or national conference. (7B: Evidence-based practice and applied statistics; 7D9, 7D11) [Synthesis]

Methods of Instruction: Individual &/or small group instruction and writing activities as determined by the respective Capstone Advisor

Methods of Evaluation: Student competence and attainment of course objectives are assessed using a variety of methods. These methods and their contribution to the final grade are listed in the table below.

| <u>Item</u> | <u>Grade Composition</u> |
|---|--------------------------|
| Attendance at/written assignment re: Class of 2021 poster presentations May 13, 2021 (See rubric at end of the syllabus) | 5% |
| Research Manuscript (See rubric on Blackboard) | 50% |
| Poster (See rubric on Blackboard) | 15% |
| Oral Defense (See rubric on Blackboard) | 20% |
| Public Poster Presentation (See rubric on Blackboard) | 5% |
| Reflection Paper (See rubric on Blackboard) | 5% |
| Total | 100% |

Grading Scale: The following letter grade scale is used for the UTEP Doctor of Physical Therapy Program:

| <u>Letter Grade Scale</u> | <u>Numerical Grade Scale</u> |
|---------------------------|------------------------------|
| A | 90-100 |
| B | 80-89 |
| C | 75-79 |

| | |
|---|----------|
| F | Below 75 |
|---|----------|

Required Textbooks and Other Learning Resources:

- 1) American Medical Association. *AMA Manual of Style: A Guide for Authors and Editors*. 10th ed. New York City, NY: Oxford University Press; 2007.
 - Available for free to UTEP students through UTEP Library
 - Go to <https://libguides.utep.edu/pt>
- 2) Library guide for poster design:
 - Go to: <http://libguides.utep.edu/posters>
 - See UTEP DPT Program poster template on Blackboard >> DPT Student Resources >> Capstone Documents
- 3) Resources related to how to format the manuscript:
 - *Guidelines for Authors* (or *Author Guidelines*) are available online at the Web site for each journal.
 - For an original research project, students will follow the Guidelines for Authors / Author Guidelines for the faculty-approved journal to which the manuscript will be submitted.
 - For a systematic review, students will follow the Guidelines for Authors / Author Guidelines for *Physical Therapy (PTJ)* – unless the Capstone Advisor approves a different peer-reviewed journal.

Recommended Textbooks and Other Learning Resources:

- 1) Jewell DV. *Guide to Evidence-Based Physical Therapist Practice*. 4th ed. Burlington, MA: Jones & Bartlett Learning; 2018. ISBN-13: 978-1-284-10432-5
- 2) Resources related to Systematic Reviews in general:
 - <http://libguides.utep.edu/ptsr>
 - <http://research.library.gsu.edu/c.php?g=115802&p=752506>
 - Murad MH et al. How to read a systematic review and meta-analysis and apply the results to patient care: users' guides to the medical literature. *JAMA*. 2014;312(2):201:171-179.
- 3) Resources related to standardized appraisal tool(s) for Systematic Reviews:
 - CEBM worksheets are found at:
 - <http://www.cebm.net/critical-appraisal/>
 - <http://www.casp-uk.net/#!/checklists/cb36>
- 4) Resource related to PRISMA guidelines for Systematic Reviews:
 - <http://www.prisma-statement.org/>

Resources Available for Student Success:

Confidential Resources:

- **Center for Accommodations and Support Services (CASS):** If you have or suspect a disability and need accommodations, you should contact the Center for Accommodations and Support Services (CASS) at 747-5148. You can also e-mail the office at cass@utep.edu or go by their office in Union Building East,

room 106 (next to the UTEP post-office). For additional information, visit the CASS website at <http://sa.utep.edu/cass>.

- **The UTEP Student Health Center:** Union East Suite 100; 915.747.5624; www.utep.edu/chs/shc
- **The UTEP Counseling and Psychological Services:** 202 Union West, 915.747.5302; www.utep.edu/student-affairs/counsel

Additional Resources:

- Division of Student Affairs. 915.747.5076, www.utep.edu/student-affairs
- DPT Library Research Guide: <http://libguides.utep.edu/pt>
- Writing Center: 915.747.5112. <https://www.utep.edu/uwc/>
- Computer Labs: Independent Learning Center (ILC), 1st floor Campbell Building
- Military Student Success Center: 915.747.5342, www.utep.edu/student-affairs/mssc
- Student Wellness Program. 915.747.6738, www.utep.edu/chs/wellness

University Policies: All students are responsible for following UTEP policies and procedures found in the Handbook of Operating Procedures at www.utep.edu/vpba/hoop

Program Policies: All DPT students are responsible for following all policies and procedures documented in the current DPT Student Handbook. Course policies found in the DPT Student Handbook apply to all courses in the DPT curriculum. The current DPT Student Handbook may be found on the DPT Student Resources site on Blackboard.

Academic Integrity: The UTEP DPT Program has a “zero tolerance policy” for scholastic dishonesty. DPT students must demonstrate academic integrity at all times. The current DPT Student Handbook outlines specific definitions, expectations, details, and consequences related to academic integrity and scholastic dishonesty. Additional information related to academic integrity is available through the UTEP Division of Student Affairs at www.utep.edu/student-affairs/osccr/student-conduct/academic-integrity.html

Course-Specific Policies:

1. **Attendance Policy - Absences:** Refer to current DPT Student Handbook “Attendance and Classroom Behavior” for the DPT Program policy.
2. **Attendance Policy - Tardiness & Early Departures:** Refer to current DPT Student Handbook “Attendance and Classroom Behavior” for DPT Program policy.
3. **Electronic Devices:** Refer to current DPT Student Handbook “Electronic Devices” for DPT Program policy.
4. **Professional Behavior Policy:** Refer to current DPT Student Handbook “Attendance and Classroom Behavior”, “Professional Behaviors” and “Unprofessional Behavior:” for general program policy.
5. **Late or Missed Assignments and Assessments Policy:** Refer to course rubrics.

- 6. **Skills Check Policy:** not applicable
- 7. **Practical Exam Policy:** not applicable

Course Content and Schedule: Each student should see the due dates that are found beneath the following Capstone Advisor Assignments table. For additional information, each student should communicate directly with her/his Capstone Advisor.

CAPSTONE ADVISOR ASSIGNMENTS

| ORIGINAL RESEARCH | |
|----------------------------|--|
| Advisor | Students |
| Dr. Alvaro Gurovich | Sebastian Lopez Angel Rodriguez |
| | Natalie Quesnel Anja Parikh Asha Marchant |
| | Jonathan Britton Juan Torres |
| Dr. Michelle Gutierrez | Clarissa Diaz – <i>already completed</i> |
| Dr. Rhonda Manning | Michelle Brown Julia Reagan Lauren Zoller |
| | Marisa Olmo Rebecca Sharp |
| | Isabel Avila Briana Dawkins |
| | |
| SYSTEMATIC REVIEWS | |
| Advisor | Students |
| Dr. Bryan Boyea | Jesus Altamiranda Molina Oscar Martinez Collin Wigely Adrian Llanez |
| | Michelle Constante Seles Avila Larissa Castro Roger Castro |
| | David Gonzalez James Walther |
| | Gregory Bell Kayla Harrell Nora Salgado Alexandra Gutierrez Loya |
| Dr. Balachandar Kathirvelu | Jesus Ortegon Megan Eckert Josephine Hay Nicholas Montoya |

Course Assignments & Deadlines:

See information below for assignments and deadlines. Additionally, refer to *DPT Student Resources >>> Capstone Documents* on Blackboard for rubrics. Note that the deadlines listed below are the same for all, regardless of whether doing Original Research or Systematic Reviews.

All assignments should be emailed to the Capstone Advisor in an electronic file unless instructed otherwise.

MANUSCRIPT: [See Blackboard for rubric]

- **Revised** RESULTS section & draft of DISCUSSION due **July 15th** (Summer 3)
 - A minimum of 6 appraised articles are included in the Results & Discussion
- **Revised** DISCUSSION due **Aug 15th** (Summer 3)
- Draft of FULL MANUSCRIPT due **Oct 1** (Fall 3)
 - Include the following for Systematic Reviews:
 - PRISMA Diagram
 - Evidence Table
- Revised FULL MANUSCRIPT due **Feb 1st** (Spring 3)
 - Include the following for Systematic Reviews:
 - PRISMA Diagram
 - Evidence Table
- Final FULL MANUSCRIPT due **Mar 1st** (Spring 3)
 - This is the version that will be graded.
 - Include the following Systematic Reviews:
 - PRISMA Diagram
 - Evidence Table
- **NOTE:** If the student / student group is submitting the manuscript for publication, recommend submitting to the journal by **Nov 1st** (Fall 3) in order to allow adequate time for review, revision, and resubmission.

POSTER: [See Blackboard for poster template and rubric]

- **NOTE: The current plan is to hold poster presentations in person.** Poster printing will be cancelled if unforeseen circumstances lead to a decision to hold poster presentations virtually. Final decision will be made in the Spring 3, and students will be notified.
- The poster must be formatted for 48" width x 36" height, and use the DPT Program poster template found on Blackboard.
- Draft of full POSTER due **Mar 15th** (Spring 3)
- **Revised** POSTER due **Apr 15th** (Spring 3)
 - The poster should be emailed to the Capstone Advisor AND John in ILC jpena13@utep.edu for printing
 - John will print out a ½-size hard copy of poster (paid for by DPT Program) that advisors and students will examine on Monday of Wrap-up Week 1

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- Each student/student group will complete final edits on the hard copy of the poster; communicate directly with Capstone Advisor regarding time and location of this meeting.
- FINAL POSTER should be emailed to the DPT Program's Administrative Assistant by **5pm on Wednesday of Wrap-up Week 1** for printing. The Capstone Advisor should be cc'd on this email.
 - The DPT Program will cover the cost of this final printing if the deadline is met. However, if the student/student group misses the deadline, they are responsible for arranging printing and paying for the cost of printing.
- Students should communicate directly with their Capstone Advisor regarding a possible practice session in order to prepare for their public poster presentation.

REFLECTION PAPER: **[See Blackboard for rubric]**

- Reflection paper is due to Capstone Advisor by **5pm on Wednesday of Wrap-up Week 1**
- Each student will electronically submit a 1 ½ to 2 page doubled-spaced paper in 11 or 12-point font. Each paper should have 6 paragraphs: an introductory paragraph, one paragraph answering each of the following questions, and a concluding paragraph.
 1. What did the Capstone project teach you with respect to evidence-based practice?
 2. How did this project enhance your clinical reasoning skills?
 3. How will you become a better DPT based on what you learned from this Capstone project?
 4. How could this Capstone project and/or process be improved for future cohorts?

ORAL DEFENSE: **[See Blackboard for preparation guidance, rubric, & schedule]**

- The current plan is for student / student groups to orally defend their Capstone project privately with two faculty members on **Monday May 9 from 1:00-4:00pm of Wrap-up Week 2 in-person at the Campbell Building**. If unforeseen circumstances lead to a decision to hold oral defenses virtually, students will be notified in Spring 3.
- Each student will answer questions regarding the Capstone project and general research knowledge, and each will receive an individual grade.

PUBLIC POSTER PRESENTATION: **[See Blackboard for rubric]**

- The current plan is for student / student groups to publicly present their Capstone poster on **Thursday May 12 from 5:00-7:00pm of Wrap-up Week 2 in-person at the 2nd floor lobby of the Health Sciences and Nursing Building on main campus**. If unforeseen circumstances lead to a decision to hold oral defenses virtually, students will be notified in Spring 3.

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- If held in person, poster must be mounted on the display board (that will be provided) by 4:50pm.
- Family, friends, clinical instructors, etc. are welcome!
- By 5pm the following day, email a PDF of the Capstone paper with the standardized Title Page (see Blackboard for format) to the DPT Program's Administrative Assistant and cc the Capstone Advisor. Assuming the student earned a passing grade on their Capstone project, this is the final step in the successful completion of this course.

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PT 6117 Poster Session Rubric (for attending poster presentations of last graduating cohort)

Student Name: _____ Capstone Advisor Name: _____

NOTE: Each student must attend a minimum of 3 poster presentations, secure a signature from the presenter, & document their assessment below:

| Poster Title | Signature of presenter(s) <i>(if in-person)</i> | Strengths of poster format & content* | Strengths of presentation* | Areas to improve poster format & content* | Areas to improve presentation* |
|--------------|--|---------------------------------------|----------------------------|---|--------------------------------|
| | | | | | |
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***Note:** Provide at least 2 substantive comments in each area. 1 point = substantive comment; 0 point = no comment or not substantive

If there is no poster title &/or no signature, the student will not earn any points for attending that poster.

OVERALL REFLECTIONS:

What are the top 3 lessons you learned about evidence-based practice? (3 points)

What are the top 3 “take-home messages” that you learned related to successfully completing and presenting your Capstone research? (3 points)

Total points possible = 24 points

Final grade: ____/24 = ____

Student should submit this completed document to the student’s shared UTEP DPT Program OneDrive folder by 5pm on the day immediately following Poster Presentations.