

## **PT 541: Clinical Examination and Evaluation III—2021**

**Course Description:** PT 541: Clinical Examination and Evaluation III. 3 Credits.  
**Prerequisite:** Registered in professional physical therapy curriculum. Emphasizes patient/client management elements of examination and evaluation. Emphasis is given to systems review and differential diagnosis; clinical decision making resulting in referral and/or modified physical therapy interventions; and the communication of findings.  
Lecture. Laboratory.

### **Department Offering the Course and Instructor(s):**

Physical Therapy

David Relling, PT, PhD; Rachel Bothun, PT, DPT; Tom Mohr, PT, PhD; Mohamed Elhamadany, PT, DPT, PhD, PCS

**Classroom:** SMHS Room E312

**Phone:** 701 777-2831

**Office Hours:** By Appointment.

**Credit Hours:** 3 credit hours

**Clock Hours:** Tuesday and Thursday, 7:30 am to 10:00 am

**Teaching Methods and Learning Experiences:** Lecture. Discussion. Laboratory. Written assignments relative to PT examination, evaluation, intervention, and/or referral. Lecture and laboratory examinations.

**Course Prerequisites:** Registered in Professional Physical Therapy Curriculum.

**Curriculum Practice Model:** PT 541 Clinical Examination and Evaluation III contributes to the Curriculum Practice Model in the areas of Clinical Sciences and Patient/Client Management.

### **Course Objectives:**

**Screening Procedures:** At the completion of the course, the physical therapy student will be able to:

1. Correctly identify and perform screening procedures (subjective and objective) for constitutional signs and symptoms. (CAPTE SRE 7C; 7D 17, 18, 20. Cognitive Domain= application; Psychomotor Domain= Complex Overt Response. All= Intermediate.
2. Correctly differentiate and perform screening procedures (subjective (including pain) and/or objective) for medial disease in each of the following systems: psychological, cardiovascular, pulmonary, hematologic, integumentary, gastrointestinal, renal/urologic, reproductive, hepatic and biliary, endocrine and metabolic, oncologic, immunologic. (CAPTE SRE 7C, &D5, 17, 18, 19 (e,g,j,k,l,o,p,q,r,s,t,u,v,w),20. Cognitive Domain= Analysis; Psychomotor Domain= Complex overt response. All= Intermediate)

a. Screening procedures include: history; presentation and management of the patient's/client's current condition; past medical and surgical histories; family history; medications; medical tests and results (clinical laboratory and radiographic findings); work environments; past and current social, sleep, and fitness habits; and a review of systems, including constitutional symptoms.

b. Objective screening procedures for the systems identified above will include observation, auscultation, palpation, and percussion as defined for PT students on the laboratory examination rubrics.

**Case Scenarios:** When provided with a case scenario, the student will be able to:

3. Choose, complete, and evaluate the findings of the appropriate differential screening procedures. (CAPTE SRE: 7C, 7D5, 16, 17, 18, 19(e,g,j,k,l,o,p,q,r,s,t,u,v,w), 20, 22. Cognitive Domain= Evaluation; Psychomotor Domain= Complex overt response. A= Advanced.)

4. Determine the need for a medical consultation and/or referral. (CAPTE SRE 7D16; Cognitive Domain= Evaluation; All= Advanced)

5. If a consultation and/or referral is/are needed, determine the mechanism (oral or written communication), content (findings of the screening) and time frame (emergency, urgent, non-urgent) appropriate for the initial referral. (CAPTE SRE: 7D10, 11, 16, 33; Cognitive Domain= Analysis; All= Intermediate to Advanced)

6. Determine how a stated medical diagnosis (and co-presenting laboratory and imaging findings and medications) will impact the physical therapy management of the patient/client. (CAPTE SRE: 7C, 7D10, 11, 20, 23; Cognitive= Analysis; All= Intermediate to Advanced.)

7. Alter and/or add to the physical therapy plan of care appropriately. (CAPTE SRE: 7C, &D10, 11, 18, 2-, 23, 24; Cognitive= Synthesis; All= Advanced.)

8. identify and discuss the contributions of the various team members (including family members, support personnel, and professionals) involved with management of the patient/client. (CAPTE SRE: 7D7, 16, 24, 36, 39; Cognitive= Comprehension; All= Intermediate.)

9. Revise the physical therapy plan of care appropriately, based upon the resolution or regression of the physical therapy and/or medical status of the patient/client. (CAPTE SRE: 7C, 7D10, 11, 16, 20, 23, 24, 26, 30; Cognitive= Evaluation; All= Advanced)

**Communication:** At the completion of the course, the physical therapy student will be able to:

10. Provide constructive (oral) feedback to the evaluator (classmate) as to oral communications provided and techniques performed during systems screening

examination and the development of plans of care. (CAPTE SRE: 7D5, 7, 8; Cognitive= Evaluation; Psychomotor= Origination; All= Advanced.)

**General Directions:**

Class attendance is expected. Please have available textbooks, readings, assessment tools, and computers. Be prepared to wear appropriate lab attire. (Women: shorts, sports bra & tank top. Men: shorts)

**Methods of Evaluation: Assignments and Grading**

Written assignments will be structured around a patient/client scenario involving a systemic and/or musculoskeletal diagnosis. Examination and evaluation procedures, including screening procedures; diagnoses; prognoses; goals; plans of care with referrals and educational programming; and physical therapy interventions are to be addressed. 'Typical' interventions may be altered or additional interventions may be provided to accommodate the medical diagnosis. The impact of medications on clinical decisions will be addressed. Evidence based clinical decision making will be emphasized. Written assignments will be part of select topic areas on the syllabus. See additional case instructions.

Your grade is based upon written assignments, lecture and laboratory examinations, and participation. **Weighting of grades is as follows:**

<b>Activity</b>	<b>Weight</b>
Written projects involving case scenarios	30%
Clothesline project	Required
Three written examinations	50%
Practical Examination	15%
Assignments/Attendance/Participation	5%

**FINAL GRADING:**

A= 90-100%	Starfish flags will be sent to individual students who receive less than 80% on an assignment or examination. The notification will require the student to meet with the faculty member sending the notification. An action plan may be implemented.
B= 80-89.9%	
C= 76-79.9%	To pass the course, written examinations with a score lower than 76% must be retaken and the student must achieve a passing grade. The original grade is retained for grading purposes. Retakes of laboratory examinations follow guidelines of the UND PT Scholastic Standards document.
F < 76%	

**ACADEMIC INTEGRITY:**

In accordance with the rules concerning scholastic dishonesty in the Code of Student Life at the University of North Dakota, As a student, I affirm that I understand these

rules and I agree to comply with them. I will NOT:

- a) receive any additional information or assistance for any exam other than what was provided during class or approved tutor sessions.
- b) copy from another student's test.
- c) collaborate with or seek aid from another student who may have previously taken the exam.
- d) knowingly use, buy, sell, steal, or solicit in whole or in part the contents of any exam.
- e) bribe another person to obtain information about any exam.

Statements on Academic Dishonesty may be found in UND's *Code of Student Life*.

### **COVID 19 STATEMENT:**

All members of the University community have a role in creating and maintaining a COVID-19 resilient campus. There are several expectations that all community members, including students, are asked to follow for the safety of all: maintain physical distancing of at least 6 feet while in UND facilities, wear face coverings during interactions with others and in the classroom, wash their hands often and use hand sanitizer, properly clean spaces that they utilize, and if experiencing any symptoms, stay home and call their health care provider. Students electing not to comply with any of the COVID related requirements will not be permitted in the classroom, and may be subject to disciplinary action. We encourage all members of the University community to model positive behavior both on- and off-campus. Information regarding the pandemic and UND's efforts to create a COVID resilient campus is available on the COVID-19 blog (<http://blogs.und.edu/coronavirus/>). Please subscribe to stay up to date on COVID related information. Students who test positive for COVID-19 or are identified as a close contact are expected to immediately self-isolate/quarantine. If you have tested positive for COVID19 or have been placed in quarantine due to being identified as a close contact or travel we strongly recommend that you report the information to the Office of Student Rights and Responsibilities at 701.777.2664 or online at <https://veoci.com/veoci/p/w/ss2x4cq9238u>. Doing so will ensure students have the support they need to continue with their academic goals and to protect others.

### **DISABILITY ACCESS STATEMENT**

Contact me (Dave Relling) to request disability accommodations, discuss medical information, or plan for an [emergency evacuation](#). To get confidential guidance and support for disability accommodation requests, students are expected to register with DSS, [www.UND.edu/disability-services](http://www.UND.edu/disability-services).

(190 McCannel Hall | 701.777.3425 | 711 for Relay)

## **Course Syllabi Statements**

### **Notice of Nondiscrimination**

It is the policy of the University of North Dakota that no person shall be discriminated against because of race, religion, age, color, gender, disability, national origin, creed, sexual orientation, gender identity, genetic information, marital status, veteran's status, or political belief or affiliation and the equal opportunity and access to facilities shall be available to all. Concerns regarding Title IX, Title VI, Title VII, ADA, and Section 504 may be addressed to Donna Smith, Director of Equal Employment Opportunity/Affirmative Action and Title IX Coordinator, 401 Twamley Hall, 701.777.4171, [und.affirmativeactionoffice@UND.edu](mailto:und.affirmativeactionoffice@UND.edu) or the

Office for Civil Rights, U.S. Dept. of Education, 500 West Madison, Suite 1475, Chicago, IL 60611 or any other federal agency.

### **Reporting Sexual Violence**

If you or a friend has experienced sexual violence, such as sexual assault, domestic violence, dating violence or stalking, or sex-based harassment, please contact UND's Title IX Coordinator, Donna Smith, for assistance: 701.777.4171; [donna.smith@UND.edu](mailto:donna.smith@UND.edu) or go to [UND.edu/affirmative-action/title-ix](https://UND.edu/affirmative-action/title-ix).

### **Faculty Reporting Obligations Regarding Sexual Violence**

It is important for students to understand that faculty are required to share with UND's Title IX Coordinator any incidents of sexual violence they become aware of, even if those incidents occurred in the past or are disclosed as part of a class assignment. This does not mean an investigation will occur if the student does not want that, but it does allow UND to provide resources to help the student continue to be successful at UND. If you have been the victim of sexual violence, you can find information about confidential support services at [UND.edu/affirmative-action/title-ix](https://UND.edu/affirmative-action/title-ix).

# PT 541 Clinical Examination & Evaluation III

Spring 2021

Lecture/Lab/Discussion

SMHS Room E312 Tuesday and Thursday, 7:30 am – 10:00 am

Instructors: Relling, Bothun, Mohr, Mohamed Elhamadany

Course Zoom Address:

<https://und.zoom.us/j/92500316768?pwd=MFZFa1V1RVZzdWdSbngyc05yaWRvUT09&from=addon>

Meeting ID: 925 0031 6768

Meeting Passcode: 876899

LIVE ZOOM= **GREEN**

Week	Day & Date	Topic	Readings	Faculty
1	T 1/12	Introduction to Class; Introduction to Processes for Case Scenarios	G&S: 1, 2, 3, 4	Dave
	Th 1/14	Screening for Referral; Lab Items		Dave
2	T 1/19	Cardiovascular & Lab A&B	G&S: 6; J: 3, 4, 12, 13	Dave
	Th 1/21	Cardiovascular & Lab C&D		Dave
3	T 1/26	Pulmonary & Lab A&B	G&S: 7; J: 3, 4, 11	Dave
	Th 1/28	Pulmonary & Lab C&D		Dave
4	T 2/9	Cancer/Oncology	G&S 13	Rachel
	Th 2/11	Integumentary; Hematologic	G&S 4,5; J 5	Rachel
5	T 2/16	Section I Review & Lab		All
	Th 2/18	Written Exam I	Intro, CV, Pulm, Oncology, Integumentary, Hematologic	
6	T 2/23	Gastrointestinal & Lab A&B	G&S: 8; J: 3, 4, 14	Mohamed
	Th 2/25	Gastrointestinal & Lab C&D		Mohamed
7	T 3/2	Hepatic/Biliary & Practical Exam A&B	G&S: 9; J: 3, 4, 14	Mohamed
	Th 3/4	Hepatic/Biliary & Practical Exam C&D		Mohamed
8	T 3/9	Immunologic	G&S: 12; J: 3, 4, 6	Dave
	Th 3/11	Immunologic		
9	T 3/16	Spring Break		
	Th 3/18	Spring Break		
10	T 3/23	Interviewing & Psych Disorders /Substance Abuse		Sarah Nielsen, PhD, OTR/L
	Th 3/25	Motivational Interviewing		
11	T 3/30	Written Exam II, (Clothesline Project)	GI, Hepatic/Biliary, Immunologic, Psych/Motivational interviewing	
	Th 4/1	Endocrine/Metabolic	GS 11	Tom
12	T 4/6	Urogenital	G&S: 10; G, B & F: 18. 19	Tom
	Th 4/8	Urogenital Application—Holly Bommersbach	G&S: 10; G, B & F: 18. 19	Holly Bommersbach PT
13	T 4/13	Case Application 1—U/E A&B		Gary S.
	Th 4/15	Case Application 1—U/E C&D		Gary S.
14	T 4/20	Case Application 2—L/E A&B		Gary S.
	Th 4/22	Case Application 2—L/E C&D		Gary S.

15	T 4/27	TBA		
	Th 4/29	TBA		
16	T 5/4	FINAL EXAM TBA		

**COURSE TEXTs and URLs:**

G&S: Goodman CC, Heick J, Lazaro R. *Differential diagnosis for Physical Therapists: Screening for referral. 6<sup>th</sup> ed.* St. Louis, MO: Elsevier Saunders; 2018.

J: Jarvis C. Pocket Companion: *Physical Examination and Health Assessment. 7<sup>th</sup> Ed.* St. Louis, MO: Elsevier Saunders; 2016.

G&F: Goodman CC, Fuller KS. *Pathology: Implications for the Physical Therapist (5<sup>th</sup> ed).* St. Louis, MO: Elsevier Saunders; 2015. (Pathophysiology resource textbook)

University of California San Diego School of Medicine Physical Examination Guides:  
<https://meded.ucsd.edu/clinicalmed/introduction.html>