

## **PT 417: CLINICAL EXAMINATION & EVALUATION I – Spring 2022**

**Description:** Emphasizes patient/client management elements of examination and evaluation. Emphasis is given to the musculoskeletal and neurological systems. Laboratory. Prerequisite: Registered in Professional Physical Therapy Curriculum.

### **Department of Physical Therapy:**

**Faculty:** Steven Halcrow, PT, DPT; Schawnn Decker, PT, DPT; Mark Romanick, PT, PhD; Sue Jenö, PT, PhD

**Credit Hours:** 4 credit hours

### **Clock Hours:**

Wed: 8am-12pm

Fri: 8:30am-12:30pm

## **COURSE OBJECTIVES**

**Lecture** – traditional/asynchronous online

**Laboratory** – lab consists of demonstrations and “hands on” experience in evaluation and examination techniques for a comprehensive orthopedic evaluation of the musculoskeletal and neurological systems of the body. This includes principles and concepts listed in section B1 and documentations of findings through a SOAP note format of several orthopedic conditions.

### **A. POSTURE**

The student will:

1. Analyze posture.
2. Explain the relationship of the center of gravity of the human body to all body segments
3. Recognize the importance of the position the pelvis assumes with various activities and its effect on posture.
4. Discriminate between different posture types.
5. Identify asymmetry of body parts and determine the significance of such.
6. Be able to implement appropriate postural correction procedures.

### **B. EXAMINATION/EVALUATION**

The student will:

1. Understand principles and concepts related to orthopedic assessment, including the detailed patient history, observation, AROM, PROM, resisted isometrics, functional assessments, peripheral joint scan, myotomes, special tests, reflexes and cutaneous distribution, joint play movement, palpation, and roentgenograms.
2. Develop basic assessment skills and perform selected assessments to the following areas:
  - a. Cervical spine
  - b. TMJ
  - c. Shoulder
  - d. Elbow, wrist and hand
  - e. Thoracic spine
  - f. Lumbar spine
  - g. Pelvis and hip

- h. Knee
  - i. Foot and ankle
  - j. Body mechanics
3. Upon completion of the assessment, be able to identify significant signs and symptoms, determine probable causes of the signs and symptoms, demonstrate clinical decision-making skill, and plan for appropriate physical therapy intervention or referral to other health care professionals.
  4. Develop basic assessment and clinical decision-making skills.
  5. Document the findings of the examination and plans for intervention in SOAP format, using evidence based articles to support findings.
  6. Demonstrate professional behavior and communication skills in all aspects of PT practice including interaction and teaching with patients, family, peers and health care professionals, and understand the implications of individual and cultural differences.
  7. Demonstrate proper body mechanics principles and give the theory behind the need for proper body mechanics.

In relationship to the CURRICULUM MODEL, the primary emphasis for PT 417: Clinical Examination & Evaluation I is in the area of Patient/Client Management: 31-38. Secondary emphases are in Functional and Clinical Sciences: 1 & 22.

**WEIGHTED GRADING:**

Exam 1 = 11% pts      Lab Practical 1 = 11% pts

Exam 2 = 11% pts      Lab Practical 2 = 11% pts

Exam 3 = 11% pts      Lab Practical 3 = 11% pts

Written Exam Final = 13%

Lab Final Practical = 13%

Additional Assignments (SOAP notes, quizzes, etc.) = 8%

\*If extra credit is awarded, the points will be added to your additional assignments

**COURSE GRADE:**

90-100% = A

80-89.99% = B

76-79.99% = C

Below 76% = Unsatisfactory

Minimum passing score on practical = 80%

**WRITTEN EXAMS:**

Written examinations will require a 76% or above to avoid remediation. Remediation will include discussion with a faculty member and **WILL INCLUDE** a re-take of the examination at the discretion of faculty. **The first attempt will be used for all grading purposes.**

**LAB PRACTICAL EXAMS:**

The student must receive a passing grade (80%) on ALL laboratory practical examinations in order to successfully complete this course. A failed lab practical examination must be repeated and a passing grade received; however **the grade received on the first attempt will be used for all grading purposes.**

If the student fails the retake lab practical examination, procedures from the Scholastics Standards document will be initiated.

**ATTENDANCE:**

Attendance is required for all lectures and labs. If you are aware of an upcoming absence, you must provide a written notification (email) to Steven ([steven.halcrow@und.edu](mailto:steven.halcrow@und.edu)), prior to absence. Missed material will be your responsibility to make up. Excessive absences may have a negative impact on your final grade. Follow PT guidelines for contacting department with acute illness or injury. If problems occur, students are required to work through channels of communication to resolve the problem before going to the chair or dean. The channel is student, instructor, chair, dean.

**BLACKBOARD**

Information in regard to PT 417 will be made available on Blackboard.

**REQUIRED TEXTBOOK:**

Magee D., Manske R. *Orthopedic Physical Assessment* (7<sup>th</sup> Ed)

**REFERENCE MATERIAL**

Dutton M. – “Orthopaedic Examination, Evaluation, & Intervention”  
O’Sullivan SB, Schmitz TJ. – “Rehabilitation: Assessment and Treatment”  
McNerney T, McGlynn E. – “Reliable Orthopedic Outcome Measures” (ROOM)  
Gulick D. – “Ortho Notes” (Clinical Examination Pocket Guide)

**OTHER OPPORTUNITIES**

The Department of Physical Therapy has multiple opportunities for students to participate in clinical practice activities under the supervision of UND faculty, all of whom are licensed physical therapists. During this particular course, you may be required to participate in the examination, evaluation, and physical therapy interventions of community members. You will be providing primary care to individuals with impairments and/or dysfunction during laboratory classes, community health fairs, pro bono clinics, and/or within traditional clinical practices.

**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.

**Disability Access Statement**

Contact Steven Halcrow at [steven.halcrow@med.und.edu](mailto:steven.halcrow@med.und.edu) or 701-777-3857 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 at [UND.edu/disability-services](http://UND.edu/disability-services) 180 McCannel Hall, or 701.777.3425.

## **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).

## **Ensure Accessibility**

To comply with the latest accessibility guidelines, documents posted online, including, but not limited to, Adobe PDF files, Microsoft Word documents, Microsoft PowerPoint presentations, and online flipbooks, must be screen-reader friendly.

For directions on how to make your syllabus and other course materials accessible, go to Blackboard > Services > Atomic Learning > Creating an Accessible Syllabus (for technical assistance with Atomic Learning, contact UND Tech Support at [UND.edu/tech-support](https://UND.edu/tech-support)).

## **COVID 19 STATEMENT:**

**In this course, students are expected to wear face coverings while in the classroom and/or laboratory. Students electing not to comply with these expectations will not be permitted to enter the room. UND strongly encourages all members of the University community, including students, to get vaccinated and model positive behavior both on- and off-campus in order to foster a healthy and safe learning environment for all students. Individuals who would like to discuss disability accommodations regarding face coverings should contact the Disability Services for Students (DSS) office at 701-777-2664 or [UND.dss@UND.edu](mailto:UND.dss@UND.edu). Individuals who are unable to wear a face covering due to a sincerely held religious belief should contact the UND Equal Opportunity and Title IX Office at 701.777.4171 or [UND.affirmativeactionoffice@UND.edu](mailto:UND.affirmativeactionoffice@UND.edu).**

All members of the University community have a role in creating and maintaining a COVID-19 resilient campus. There are several expectations from the School of Medicine and Health Sciences that require compliance, including: Wear face coverings during interactions with others and in the classroom; Wash hands often and use hand sanitizer; Properly clean spaces; and, if you are experiencing any symptoms, Stay home and call your health care provider. Students who fail 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. Any changes in the SMHS COVID related requirements will be communicated to you through the Friday weekly email "For your health" from the Dean's office and email from the program director or chair.

Students who test positive for COVID-19 are expected to immediately self-isolate/quarantine. If you have tested positive for COVID-19 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. The policy related to COVID-19 may change throughout the semester due to community spread and updated CDC guidelines. Please check the policy frequently and ask faculty if you have any questions.

Spring 2022

## PT 417 Clinical Exam and Evaluation I

Wednesday & Friday (4 credits); Wed 8:00am-12:00pm / Fri 8:30am-12:30pm

Instructors: Steven Halcrow (course coordinator), Schawnn Decker, Mark Romanick, Sue Jenó, Ricky Morgan

Date	Faculty	Lecture/Lab	Readings	Assignments
Jan 12	Steve	Intro/Principles & Concepts of Evaluation Techniques – Lecture Only	M-1	
Jan 14	Steve	Hip – Lecture/Lab	M-11	
Jan 19	Steve	Quiz 8-8:30 Hip – hip eval 8:30-9 Split lab – Group A 9-10:30 Group B 10:30-12		P&C Quiz  SOAP Note 1
Jan 21	Mark	Knee – Lecture/Lab Knee Eval	M-12	
Jan 26	Mark	Knee – Split Lab Group B 8-10 Group A 10-12	M-12	
Jan 28	Mark	Ankle – Lecture/Lab	M-13	
Feb 2	Mark	Foot – Lecture/Lab	M-13	
Feb 4		Review Lab		SOAP Note I Due
<b>Feb 9</b>				Written Exam I
<b>Feb 11</b>				Practical Exam I
Feb 16	Steve	Shoulder – Lecture/Lab	M-5	
Feb 18	Steve	Shoulder – Shoulder Eval 8:30-9 Split Lab – Group A 9-10:30 Group B 10:30-12		SOAP Note II
Feb 23	Ricky	Elbow/Wrist/Hand – Lecture/Lab	M-6,7	
Feb 25		Review Lab		SOAP Note II Due
<b>Mar 2</b>				Written Exam II
<b>Mar 4</b>		Combined Practical with PT 415		Practical Exam II
Mar 9	Schawnn	Posture – Lecture/Lab	M-15, K&C-14; Handouts	

Mar 11	Schawnn	Posture – Lecture/Lab		
Mar 16/18		<b>No Class – Spring Break</b>		Posture Quiz – Online???
Mar 23	Sue	TMJ – Lecture/Lab	M-4	
Mar 25	Steve	Cervical – Lecture/Lab	M-3	
Mar 30	Schawnn	Lumbar – Lecture/Lab	M-9	
Apr 1	Schawnn	Lumbar Split Lab – Group B 8:30-10:30 Group A 10:30-12:30		SOAP Note III
Apr 6	Schawnn	Thoracic/Pelvis – Lecture/Lab	M-8, 10	
Apr 8		Review Lab		SOAP Note III Due
<b>Apr 13</b>				Practical Exam III
April 15		<b>No Class – Holiday Break</b>		
<b>Apr 20</b>				Written Exam III
Apr 22		Review Lab		
Apr 27		Review Lab		
<b>Apr 29</b>				Written Final & Practical Final

PT 417 emphasizes patient/client management elements of examination and evaluation. Emphasis is given to the musculoskeletal and neurological systems. Offered through the Department of Physical Therapy.

**Required Text:**

M = Magee D. & Manske R. *Orthopedic Physical Assessment (7<sup>th</sup> Ed)*

**Referenced Text:**

K&C = Kinser C. & Colby LA. *Therapeutic Exercise: Foundations and Techniques (6<sup>th</sup> Ed)*

**\*All Written Exams and Quizzes will be taken using ExamSoft.** Please make sure you have appropriate technology to take the exam/quiz. If you do not have the appropriate technology, please see Library and Information Resources where you can rent out a computer.

\*Schedule subject to changes

