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## PHYT 8909 - Clinical Decision Making 3

### Fall 2026 Syllabus, Section 01, CRN 41918,

Credit hours: 6

## Instructor

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## Public Instructor Information

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**Professor:** Rebecca Riblet PT, DPT (Course Coordinator)

**Professional Qualifications:** *DPT, Doctor of Physical Therapy, Chatham University; Bachelors, Biology, Youngstown State University*

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**Professor:** Edmund Ickert PT, DPT, PhD

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**Professor:** Shannon Dudash PT, DPT, PhD, GCS, WCC

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**Professor:** Omar Ross PT, DPT, ATC

**Professional Qualifications:** *DPT, Doctor of Physical Therapy, Slippery Rock University; Masters, Human Performance and Health Promotion, University of New Orleans; Bachelors, Sports Medicine, University of Southern Mississippi*

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**Professor:** Erin Shilling PT, DPT

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**Professor:** Daniel Dray PT, DPT, NCS

**Professional Qualifications:** *DPT, Physical Therapy, Duquesne University; Bachelor's, Health Sciences, Duquesne University; Bachelor's, Biology, Duquesne University*

## Course Description

8909. Clinical Decision Making 3. Evaluation of decision-making process for clinical management of complex and complicated cases. Emphasis on reimbursement, professional development, interprofessional activities, and program evaluation. Prereq.: Admission to DPT program. 6 s.h.

## Course Readings

| Group    | Title                                                                                                   | Author                                                                             | ISBN          |
|----------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------|
| Required | Neurologic Rehabilitation: Neuroscience and Neuroplasticity in Physical Therapy Practice                | Nichols-Larsen DS, Basso D, Buford JA, Heathcock JC, Kegelmeyer DA, Kloos AD. eds. | 9781260461398 |
| Required | O'Sullivan & Schmitz's Physical Rehabilitation                                                          | Fulk GD, Chui KK. eds.                                                             | 9780803625792 |
| Required | Improving Functional Outcomes in Physical Rehabilitation                                                | Bezkor EW, O'Sullivan SB, Schmitz T.J. eds.                                        | 9781719640909 |
| Required | Lifespan Neurorehabilitation: A Patient-Centered Approach from Examination to Intervention and Outcomes | Fell DW, Lunnen KY, Rauk RP. eds.                                                  | 9780803646094 |
| Required | Cardiovascular and Pulmonary Physical Therapy                                                           | Frownfelter D, Dean E, Stout M, Kruger R, Anthony J. eds.                          | 9780323624718 |
| Required | Acute Care Handbook for Physical Therapists                                                             | Panasci K, Greenwood KC                                                            | 9780443116056 |
| Required | Michlovitz's Modalities for Therapeutic Intervention                                                    | Bellew, J. ed.                                                                     | 9780803645639 |

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

## Schedule of Topics and Assignments

| Day | Date | Reading(s)                                                                                              | Proposed Topic                                                                                                                             | Due/To Prepare for Class                               |
|-----|------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Tue | 8/25 | (Quinn 2021) A Framework for Movement Analysis of Tasks                                                 | Course Info – Policies, Syllabus<br>Neurologic Evaluation Module<br>Intro to Movement Analysis of Tasks<br>Framework, Review RTSS (240 AT) |                                                        |
| Fri | 8/28 | Kegelmeyer Neurologic Rehabilitation Ch 10                                                              | Neurologic Evaluation Module<br>Principles of Neurologic Evaluation (240 AT, BR)                                                           |                                                        |
| Tue | 9/1  | Review notes from Clinical Pathology II<br>Kegelmeyer Neurologic Rehabilitation Chapters 14, 15, 16, 17 | Neurologic Evaluation Module<br>Degenerative Diseases: MS, ALS, GBS, Huntington's, Cerebellar Degeneration (240 SD, BR, EI)                | Degenerative Diseases Worksheet and Formative Quiz Due |
| Fri | 9/4  |                                                                                                         | Neurologic Evaluation Module<br>Principles of Documentation and Goal Writing Across the Continuum of Care (240 BR, OR)                     | Medbridge Core Outcome Measures Webinars Due           |



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|-----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Tue | 9/8   | Review notes/readings from Clinical Pathology II<br>Kegelmeyer Neurologic Rehabilitation Chapters 11, 15                                                                                                   | Neurologic Evaluation Module<br>Parkinson's Disease and Stroke (120 AT)<br>Outcome Measures Lab (120 AT, BR, OR)                                                                                                       | PD and Stroke Worksheets and Formative Quiz Due     |
| Fri | 9/11  | O'Sullivan Physical Rehabilitation Ch 20<br>Kegelmeyer Neurologic Rehabilitation Ch 13                                                                                                                     | SCI Module<br>Clinical SCI Syndromes and Neuroanatomy Review, Continuum of Care Considerations (120 AT)<br>ASIA Assessment Lab (120 AT, BR, EI)                                                                        | In Class SCI Quiz                                   |
| Tue | 9/15  | Watch Marquette Spinal Cord Injury Video                                                                                                                                                                   | SCI Module<br>Mobility Training and Expectations Based on Level of Injury, Bed Mobility/Transfers Lab (240 AT, BR, EI)                                                                                                 | SCI Worksheet Due                                   |
| Fri | 9/18  |                                                                                                                                                                                                            | Neurologic Evaluation Module<br>Simulated Case Evaluation Lab (240 DD, SD, BR)                                                                                                                                         |                                                     |
| Tue | 9/22  | Kegelmeyer Neurologic Rehabilitation Ch 9<br>Bezkor Improving Functional Outcomes in Physical Rehabilitation Ch 1, Ch 11                                                                                   | Neurologic Treatment Module<br>History of Neuro Interventions; Principles of Motor Learning and Neuroplasticity / Gait Training / Locomotor Training Clinical Practice Guideline (120 AT)<br>Gait Lab (120 BR, EI, DD) | Initial Evaluation Assignment Due                   |
| Fri | 9/25  | Medbridge Webinar: Pharmacology for the Neurologic Physical Therapist                                                                                                                                      | Neurologic Treatment Module<br>Principles of Neurologic Patient Management Across the Continuum of Care (60 AT)<br>Functional Mobility Lab (180 AT, BR, OR)                                                            | In Class Neuro Medication Quiz                      |
| Tue | 9/29  | Bezkor Improving Functional Outcomes in Physical Rehabilitation Ch 3, Ch 12<br>Fell Lifespan Neurorehabilitation Ch 15, pgs. 12-28                                                                         | Neurologic Treatment Module<br>Proprioceptive Neuromuscular Facilitation (60 OR)<br>Hemiplegic Shoulder/UE Treatment (60 SD)<br>Treatment for Non-Ambulatory Patient Lab (120 SD, BR, OR)                              |                                                     |
| Fri | 10/2  | O'Sullivan Physical Rehabilitation Ch 32                                                                                                                                                                   | SCI Module<br>Wheelchair Lab (240 AT, BR, OR)                                                                                                                                                                          | ANPT Wheelchair Modules Due                         |
| Tue | 10/6  | (Mulroy 2011) Strengthening and optimal movements for painful shoulders (STOMPS) in chronic spinal cord injury Optional video: Murderball                                                                  | SCI Module<br>Upper Extremity Injury Prevention (STOMPS Protocol), Secondary Health Complications and Prevention Strategies; Exercise Prescription Lab (240 AT, OR, ES)                                                |                                                     |
| Fri | 10/9  |                                                                                                                                                                                                            | Neurologic Treatment Module<br>Simulated Case Treatment Lab (240 DD, SD, BR)                                                                                                                                           | RTSS Worksheet for Treatment Simulation Lab Due     |
| Tue | 10/13 |                                                                                                                                                                                                            | Midterm Practical Exams<br>Monday 10/12, Tuesday 10/13 and Wednesday 10/14 (All Faculty)                                                                                                                               | Midterm Practical Exam Documentation                |
| Fri | 10/16 |                                                                                                                                                                                                            | Midterm Written Exam (90 AT)                                                                                                                                                                                           | Midterm Written Exam                                |
| Tue | 10/20 | Michlovitz's Modalities for Therapeutic Intervention Ch 9: Physiological Response To Electrical Current Ch 9: Russian Current and Aussie Current Ch17: Electro-physiological Testing of Nerves and Muscles | Modalities for Muscle Function Module<br>Biofeedback, Russian Currents, NCV (240 OR, BR, ES)                                                                                                                           | Modalities Formative Quiz Due; Modality Skill Check |
| Fri | 10/23 | Kegelmeyer Neurologic Rehabilitation Ch 17                                                                                                                                                                 | Vestibular Rehabilitation Module (240 AT, ES)                                                                                                                                                                          | In Class Vestibular Quiz                            |
| Tue | 10/27 |                                                                                                                                                                                                            | Vestibular Rehabilitation Module (240 AT, ES)                                                                                                                                                                          |                                                     |

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| Fri | 10/30 | Kegelmeyer Neurologic Rehabilitation Ch 12                                                                                                                                    | TBI Module<br>Pathology of TBI/Concussion (120 AT)<br>TBI Principles of Evaluation, Treatment (120 AT, EI)                                                       |                                            |
| Tue | 11/3  | Craig Hospital Levels of Cognitive Functioning video                                                                                                                          | TBI Module<br>Rancho Levels 1-3, 4-6 (120 AT, BR)<br>Case Simulation (120 EI, AT, BR)                                                                            | In Class TBI Quiz                          |
| Fri | 11/6  |                                                                                                                                                                               | TBI Module<br>Rancho Levels 7-10 (120 AT, BR)<br>Case Simulation (120 EI, AT, BR)                                                                                |                                            |
| Tue | 11/10 | Frownfelter Cardiovascular and Pulmonary Physical Therapy Ch 26, 30, 31<br>(Recommended) Panasci Acute Care Handbook for Physical Therapists ch 18, ch 20                     | Introduction to the ICU Module<br>Intensive Care Management of Medical and Surgical Patients in the ICU (240 EI)                                                 |                                            |
| Fri | 11/13 |                                                                                                                                                                               | No Class (IPE NEOMED Event)                                                                                                                                      | Parkinson's Exercise Class Observation Due |
| Tue | 11/17 |                                                                                                                                                                               | Final Practical Exams<br>Monday 11/16, Tuesday 11/17 and Wednesday 11/18 (All Faculty)                                                                           | Final Practical Exam Documentation         |
| Fri | 11/20 |                                                                                                                                                                               | Clinical Decision Making Module<br>Case Discussions: Cervicogenic Dizziness + Concussion, Stroke + Shoulder Pain, PD + LBP (240 ES, OR, BR)                      |                                            |
| Tue | 11/24 | Frownfelter Cardiovascular and Pulmonary Physical Therapy ch 34, 38, 39<br>(Recommended) Panasci Acute Care Handbook for Physical Therapists ch 4, 19 – Pulmonary Medications | Introduction to the ICU<br>Management of the Pulmonary System<br>Respiratory Failure, Mechanical Ventilation and Oxygen Delivery and Artificial Airways (240 EI) |                                            |
| Fri | 11/27 |                                                                                                                                                                               | No Class (Thanksgiving)                                                                                                                                          |                                            |
| Tue | 12/1  | (Recommended) Panasci Acute Care Handbook for Physical Therapists ch 3, 7, 16, 19 Cardiovascular medications                                                                  | Introduction to the ICU<br>Management of the Cardiovascular and Circulatory System: Heart Failure and Support Devices (240 EI)                                   | In Class Cardio Medication Quiz            |
| Fri | 12/4  | Panasci Acute Care Handbook for Physical Therapists ch 6<br>Frownfelter Cardiovascular and Pulmonary Physical Therapy ch 28                                                   | Introduction to the ICU<br>Management of the Neurological System;<br>Chronic Secondary Cardiopulmonary Dysfunction (240 EI)                                      |                                            |
| Tue | 12/8  |                                                                                                                                                                               | Final Exam Date/Time TBD<br>Final Exam (120 AT)<br>Vestibular Skill Check (180 AT, ES)                                                                           |                                            |

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