

COLLABORATIVE/PROBLEM BASED CLINICAL EDUCATION
Learning Units

Introduction

Health care continues to evolve at a very rapid pace. No longer can therapists consider themselves to be sole

The clinical instructor should serve primarily as a resource for the daily learning units and assume primary responsibility for patient/client care provided by and with the student(s). The clinical instructor is to be familiar with their caseload, and with the individuals they delegate to students for completion of the daily learning units. The clinical instructor has the sole authority to determine which patients are appropriate for student intervention and can withdraw a student from patient contact at any time.

The clinical instructor should be familiar with the daily learning units. Completion of the daily learning units is the responsibility of the student(s). The role of the clinical instructor is to provide guidance, support, and structure where needed. Clinical instructors should be available for mentorship and provide clear and concise feedback on the quality of the work produced by the student(s). The clinical instructor should also complete the designated grading tool(s) required by the university.

Responsibilities of the Academic Faculty and SCCE

The SCCE should remain as the contact between the clinical facility, the student(s) at the university, and be available for training and questions as they arise. Should any questions arise, please contact the SCCE immediately to have these resolved.

LEARNING UNIT 1 - PHYSICAL THERAPY EVALUATION: PATHOPHYSIOLOGY
Clinical Days 1-2

Student: _____

Clinical Instructor: _____

Unit Objective: Students will identify the pathophysiology of primary and secondary patient/client medical and/or physical therapy diagnoses and will determine the impact of those pathophysiology on the efficacy of Physical

LEARNING UNIT 2 - ALTERNATIVE DISCHARGE OPTIONS/COMMUNITY SUPPORTS
Clinical Day 3

Student: _____

Clinical Instructor: _____

Unit Objective: Students will identify community supports and discharge options or needs for patients/clients and/or caregivers.

Unit Organization and Guidelines: Students will be assigned one case from the Clinical Instructor's caseload at the start of the clinical day (note: these may be the same patients/clients the student has worked with on previous units). Students are to investigate community support and discharge options, Health Care Disparities and Social Determinates of Health which meet the individual needs of the patients/clients or the caregivers of those patients/clients. Students are to prepare this information as though they were presenting to a group of healthcare providers with discharge recommendations.

Learning Objectives: At the completion of this unit the student will:

- Identify multiple resources to assist with problem solving
- Obtain information relevant to providing a solution to the unit objective
- With guidance and collaboration interpret that information
- Provide discharge recommendations as if they were planning discharge with another healthcare provider
- Locate general information important to the patient/client or caregiver about community supports in the immediate area that address health care disparities and social determinants of health for the case.
- Anticipate how the expected discharge environment (i.e., skilled nursing, home, outpatient, community resource) may affect the Physical Therapy Plan of Care

CAPTE: 7C, 7C3, 7D22, 7D3

Outcomes to be submitted to CI for review: The student is responsible for completing the following documents and having them available to the clinical instructor within the specified time frame. All documentation will be uploaded to Exxat for DCE review at the completion of the course as evidence of successful completion of individual learning units.

Student will provide a brief discussion of the findings to the CI at a time their choosing	Due at the end of the clinical day
Student will provide a short written summary paragraph of the discussion and findings to the CI and DCEs	Due at the end of the clinical day

LEARNING UNIT 3 - PHYSICAL THERAPY EXAMINATION:
SUBJECTIVE AND OBJECTIVE COMPONENTS
Clinical Days 4 and 5

Student: _____

Clinical Instructor: _____

Unit Objective: Based on the pathophysiology students will identify the functional limitations and impairments a patient/client may have and hypothesize a means of testing those functional limitations and underlying impairments.

Unit Organization and Guidelines: Students will be assigned one case from the Clinical Instructor's caseload at the start of the clinical day. Students are to examine the primary and secondary medical and/or physical therapy diagnoses of the assigned patients. From this alone, students should develop a subjective (interview questions) and objective (physical therapy tests and measures) component which could be included in a comprehensive physical therapy examination to determine impairments, activity limitations and participation restrictions. Students should not be hindered by time, and should develop as comprehensive an examination as they feel necessary to collect all valuable information.

Learning Objectives: At the completion of this unit the student will:

- Identify multiple resources to assist with problem solving
- Obtain information relevant to providing a solution to the unit objective
- With guidance and collaboration interpret that information
- Develop and complete a patient/client interview
- Develop a list of physical therapy tests and measures to identify the patient's/client's functional limitations and impairments
- Apply tests and measures as appropriate for academic preparation with appropriate supervision
- If appropriate perform Manual Muscle Testing, ROM, emphasizing specific goniometric measurement rather than gross assessment, and gross mobility skills assessments of the patient/client in question
- Record findings of tests and measures applied by CI
- Reference one research article to support test or measure chosen
- Follow all HIPAA policies and delete all patient identifying information

CAPTE: 7D, 7D1, 7D2, 7D10, 7D14, 7D15

Outcomes to be submitted to CI for review: The student(s) is responsible for completing the following documents and having them available to the clinical instructor within the specified time frame. All documentation will be uploaded to Exxat for DCE review at the completion of the course as evidence of successful completion of individual learning units.

Students will write the Subjective and Objective components of the physical therapy evaluation using the data collected in the patient/client examination. Present the findings and evaluation to the clinical instructor.	Due at the start of the following clinical day.
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LEARNING UNIT 5 - PHYSICAL THERAPY PLAN OF CARE
Clinical days 7 and 8

Student: _____

Clinical Instructor : _____

Unit Objective: Students will develop a beginning Physical Therapy Plan of Care.

Unit Organization and Guidelines: Students will be assigned one case each day from the Clinical Instructor's caseload at the start of the clinical day. Based on the Physical Therapy assessment completed in Unit 4, students will develop a plan of care, which will address both functional limitations and impairments. Additionally, students will develop short term goals to measure patient/client progress.

Learning Objectives: At the completion of this unit the student will:

- Identify multiple resources to assist with problem solving
- Obtain information relevant to providing a solution to the unit objective
- With guidance and collaboration interpret that information
- Develop a list of the impairments, activity limitations, and participation restrictions and objective physical therapy examination
- Develop two (2) treatment alternatives to address each impairment and provide a rationale for that approach
- Develop short term goals (STGs) for each long term goal established
- Obtain and reference research article to support the rationale for one of the chosen treatment alternatives

CAPTE: 7D1, 7D4, 7D6, 7D10, 7D11

Outcomes to be submitted to CI for review: The student is responsible for completing the following documents and having them available to the clinical instructor within the specified time frame. All documentation will be uploaded to Exxat for DCE review at the completion of the course as evidence of successful completion of individual learning units.

Students will submit a written impairment list, as well as short term goals to the clinical instructor.	Due at the start of the following clinical day.
Students should discuss treatment options selected with the student group and be prepared to demonstrate how to implement those options if requested by the clinical instructor.	Due at the completion of that clinical day.
Student will reference an evidenced based research article to support their findings along with the written summary.	Due at the start of the next clinical day.

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LEARNING UNIT 6 - IMPLEMENTATION AND PROGRESSION OF TREATMENT
Clinical day 9

Student: _____

Clinical Instructor: _____

Unit Objective: Students will implement a Physical Therapy Plan of Care and discuss modifications to that plan of care

LEARNING UNIT 9 - REIMBURSEMENT AND COST OF CARE
Clinical day 12

Student: _____

Clinical Instructor: _____

Unit Objective: Students will develop an understanding of fiscal responsibility in Physical Therapy client management.

LEARNING UNIT 10 – INTERPROFESSIONAL EDUCATION
Clinical day 13

LEARNING UNIT 11 - PHARMACOLOGY
Clinical day 14

Student: _____

Clinical Instructor: _____

Unit Objective: Students will describe the impact of over the counter and prescription medications on the clinical presentation and physical therapy intervention.

Unit Organization and Guidelines: Each student will be assigned one (1) case from the Clinical Instructor's caseload at the start of the clinical day. The assignment will involve identification of suspected pathophysiology from a medication list and include a hypothesis on the impact of medications on the clinical presentation of the case.

Learning Objectives: At the completion of this unit the student will:

- Identify multiple resources to assist with problem solving
- Obtain information relevant to providing a solution to the unit objective
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LEARNING UNIT 12 - CASE STUDY
Clinical day 15

Student: _____

Clinical Instructor: _____

Unit Objective: S

APPENDIXES

The purpose of this appendices is to provide examples to augment each daily learning unit in order to clarify the rationale and intent and illustrate with examples how the daily learning unit can be completed.

Learning Unit 1: Physical Therapy Evaluation: Pathophysiology

This daily learning unit (DLU) is intended to assist the student in understanding the impact of pathophysiology on physical therapy decision making and the provision of services. Students tend to focus on details and miss the big picture when trying to prioritize and design an appropriate plan of care. This DLU will guide them in considering all aspects of patient health, wellness, fitness, illness and disability when looking at the need for physical therapy services.

Pathophysiology= diabetes: (definition), monitoring of blood sugar levels, potential for PVD/sensory losses (ergo balance, vision...), increased risk of heart disease...

= CHF: response to exercise, fatigue, exercise intolerance, weight gain

= ACL tear: tissue healing, inflammatory response, loads/torque/weight bearing....