



Western Technical College

10514189 OT Phys Rehab Practice

Course Outcome Summary

Course Information

Description	Explores interventions relative to major physical disability diagnoses seen in OT practice. Evaluation, treatment interventions, assistive technology, and documentation are emphasized relative to the biomechanical, neurodevelopmental, and rehabilitative approaches to practice.
Career Cluster	Health Science
Instructional Level	A.A.S. - Associate in Applied Science
Total Credits	4
Total Hours	126

Pre/Corequisites

Prerequisite	10514176 OT Theory and Practice
Prerequisite	10514174 OT Performance Skills

Textbooks

Adult Physical Conditions. 2nd Edition. Copyright 2022. Mahle, Amy and Amber Ward. Publisher: F.A. Davis Co. **ISBN-13**: 978-1-71964-435-8. Required.

Occupational Therapy Practice Framework: Domain & Process. 4th Edition. Copyright 2020. American Occupational Therapy Association, Inc. Publisher: American Occupational Therapy Association, Inc. **ISBN-13**: 978-1-56900-488-3. Required.

Clinical Kinesiology and Anatomy. 7th Edition. Copyright 2023. Lippert, Lynn. Publisher: F.A. Davis Company. **ISBN-13**: 978-1-71964-452-5. Required.

Clinical Kinesiology & Anatomy – Laboratory Manual. 5th Edition. Copyright 2023. Lippert, Lynn S. and Mary Alice Duesterhaus. Publisher: F. A. Davis Company. **ISBN-13**: 978-1-71964-453-2. Required.

Trail Guide to the Body: How to Locate Muscles, Bones and More. 6th Edition. Copyright 2019. Biel, Andrew. Publisher: Books of Discovery. **ISBN-13**: 978-0-9987850-6-6. Required.

Trail Guide to the Body, Student Workbook. 6th Edition. Copyright 2019. Biel, Andrew. Publisher: Books of Discovery. **ISBN-13**: 978-0-9914666-7-2. Required.

The OTA's Guide to Documentation: Writing SOAP Notes. 5th Edition. Copyright 2023. Morreale, Marie J. and Sherry Borcharding. Publisher: Slack Inc. **ISBN-13**: 978-1-63822-036-7. Required.

Success Abilities

1. Cultivate Passion: Enhance Personal Connections
2. Live Responsibly: Develop Resilience
3. Live Responsibly: Foster Accountability
4. Refine Professionalism: Act Ethically
5. Refine Professionalism: Improve Critical Thinking
6. Refine Professionalism: Participate Collaboratively
7. Refine Professionalism: Practice Effective Communication

Program Outcomes

1. Practice within the distinct role and responsibility of the occupational therapy assistant
2. Serve a diverse population in a variety of systems that are consistent with entry level practice
3. Apply occupational therapy principles and intervention tools to achieve expected outcomes
4. Demonstrate professional behaviors, ethical standards, values, and attitudes of the occupational therapy profession

Course Competencies

1. Examine the OT service delivery models for physical disabilities

Assessment Strategies

- 1.1. through an oral, written or graphic assessment

Criteria

You will know you are successful when

- 1.1. you identify areas of practice within OT practice
- 1.2. you relate the domain of OT to the physical rehab system
- 1.3. you articulate the unique role of the OT physical rehab system
- 1.4. you compare the physical rehab system with educational and family systems
- 1.5. you compare the legislative provisions by age group

Learning Objectives

- 1.a. The linked external standards are the focus learning objectives for this competency.

2. Gather data for the purpose of physical rehab screening and evaluation

Assessment Strategies

- 2.1. through a case study
- 2.2. in class discussion

Criteria

You will know you are successful when

- 2.1. you identify appropriate screening tools, assessments and checklists for physical rehab practice
- 2.2. you gather evaluation data in the areas of occupational performance, behaviors and skills within the context of the client
- 2.3. you assess and monitor vital signs

Learning Objectives

- 2.a. Screening
- 2.b. Checklist
- 2.c. Clinical Observation
- 2.d. Interviews
- 2.e. History
- 2.f. Chart review
- 2.g. The linked external standards are the focus learning objectives for this competency.

3. Administer physical rehab assessments based on patient (client) profile

Assessment Strategies

- 3.1. in the laboratory with fellow student
- 3.2. in oral, written or graphic assessment
- 3.3. given a case study

Criteria

You will know you are successful when

- 3.1. you demonstrate use of standardized and nonstandardized assessment
- 3.2. you compare results with norm-reference data
- 3.3. you identify problem areas requiring treatment intervention
- 3.4. you prioritize problem areas requiring treatment intervention

Learning Objectives

- 3.a. The linked external standards are the focus learning objectives for this competency.

4. Implement preparatory activities for occupation-based treatment

Assessment Strategies

- 4.1. in the laboratory with fellow student
- 4.2. role playing treatment intervention
- 4.3. in oral, written or graphic assessment

Criteria

You will know you are successful when

- 4.1. you demonstrate selection of modalities e.g., temperature, etc.
- 4.2. you demonstrate selection of therapeutic exercise relative to occupation
- 4.3. you demonstrate selection of assistive technology to support occupational performance
- 4.4. you select the correct equipment and materials
- 4.5. you perform all critical steps in the right order
- 4.6. you follow safety procedures
- 4.7. you verbalize an explanation of the process as you perform it

Learning Objectives

- 4.a. Modalities
- 4.b. Occupation
- 4.c. assessment
- 4.d. Therapeutic exercise
- 4.e. Motor control

- 4.f. Sensory re-education
- 4.g. Neuromuscular
- 4.h. Edema
- 4.i. The linked external standards are the focus learning objectives for this competency.

5. Demonstrate documentation skills related to physical disability practice

Assessment Strategies

- 5.1. using the forms provided
- 5.2. in the presentation of conclusions and recommendations
- 5.3. based on observation of recorded events - data provided from video, case study etc.

Criteria

You will know you are successful when

- 5.1. you document treatment goals
- 5.2. records include accurate and complete data
- 5.3. records are formatted according to organizational specifications
- 5.4. records show correct use and spelling of professional/technical terminology
- 5.5. records include diagrams and charts (when present or needed) that are accurately labeled and or completed
- 5.6. records are signed and dated
- 5.7. conclusions and recommendations are logical, accurate, and feasible
- 5.8. you articulate the role of the OTA in discharge planning

Learning Objectives

- 5.a. The linked external standards are the focus learning objectives for this competency.

6. Demonstrate physical disability interventions related to biomechanical approach

Assessment Strategies

- 6.1. with a case study using biomechanical approach
- 6.2. through written, oral or graphic assessment
- 6.3. in lab with fellow students

Criteria

You will know you are successful when

- 6.1. you demonstrate skills such as: range of motion, therapeutic exercise, joint mobilization, myofascial release, kinesiotaping
- 6.2. you demonstrate skills of edema and pain management
- 6.3. you analyze the use of orthotic devices appropriate to the biomechanical treatment approach
- 6.4. you demonstrate interventions related to orthopedic conditions such as: amputee, arthritis, burns, cumulative trauma disorder, fractures, hand injury, hip, knee, peripheral nerve injury, prosthetics etc.
- 6.5. you demonstrate treatment interventions and appropriate use of assistive technologies relative to occupational performance, behaviors and skills such as ADL, IADL
- 6.6. you adapt environments for an individual's optimal occupational performance

Learning Objectives

- 6.a. The linked external standards are the focus learning objectives for this competency.

7. Demonstrate physical disability interventions related to motor learning/motor control approaches

Assessment Strategies

- 7.1. with a case study using the motor learning/motor control approach
- 7.2. through written, oral or graphic assessment
- 7.3. in lab with fellow students

Criteria

You will know you are successful when

- 7.1. you demonstrate skills such as: inhibition and facilitation techniques, positioning, etc.
- 7.2. you demonstrate skills of edema and pain management
- 7.3. you analyze the use of orthotic devices appropriate to motor learning/motor control approaches

- 7.4. you demonstrate interventions related to neurological conditions such as: cerebrovascular accident, traumatic brain injury, spinal cord injury, Parkinson disease, multiple sclerosis etc.
- 7.5. you demonstrate treatment interventions and appropriate use of assistive technologies relative to occupational performance, behaviors and skills such as ADL, IADL
- 7.6. you adapt environments for an individual's optimal occupational performance

8. Demonstrate physical disability interventions related to rehabilitative approach

Assessment Strategies

- 8.1. with a case study using rehabilitative approach
- 8.2. through written, oral or graphic assessment
- 8.3. in lab with fellow students

Criteria

You will know you are successful when

- 8.1. you demonstrate skills such as: ADL, IADL, transfers, positioning, mobility
- 8.2. you use compensatory strategies to facilitate participation in occupation
- 8.3. you analyze the use of adaptive equipment appropriate to the rehabilitative treatment approach
- 8.4. you demonstrate interventions and appropriate use of assistive technologies related to rehabilitative approach such as: home assessment, home management, community reintegration
- 8.5. you complete documentation such as: Functional Index Measure (FIM), checklists, evaluation, home assessment, progress notes
- 8.6. you adapt environments for an individual's optimal occupational performance

Learning Objectives

- 8.a. The linked external standards are the focus learning objectives for this competency.

9. Demonstrate physical disability interventions related to functional cognition

Assessment Strategies

- 9.1. through written, oral or graphic assessment
- 9.2. in lab with fellow students

Criteria

You will know you are successful when

- 9.1. you plan intervention relative to the results of a cognitive assessment
- 9.2. you select activities and appropriate assistive technologies relative to the level of the client's processing and communication skills
- 9.3. you recognize safety issues related to cognitive limitations
- 9.4. you adapt environments for an individual's optimal occupational performance

Learning Objectives

- 9.a. The linked external standards are the focus learning objectives for this competency.

10. Demonstrate physical disability interventions related to visual/perceptual skills

Assessment Strategies

- 10.1. through written, oral or graphic assessment
- 10.2. in lab with fellow students

Criteria

You will know you are successful when

- 10.1. you plan intervention relative to the results of a visual perceptual assessment
- 10.2. you select activities and appropriate assistive technologies relative to the level of the client's sensorimotor and communication skills
- 10.3. you recognize the safety issues related to visual perceptual limitations
- 10.4. you adapt environments for an individual's optimal occupational performance

Learning Objectives

- 10.a. The linked external standards are the focus learning objectives for this competency.

11. Fabricate an orthotic device

Assessment Strategies

- 11.1. through written, oral or graphic assessment
- 11.2. in lab with fellow students
- 11.3. by constructing a minimum of one orthotic device

Criteria

You will know you are successful when

- 11.1. you demonstrate principles of splinting
- 11.2. you create or adapt a splint pattern
- 11.3. you fabricate a splint
- 11.4. you assess fit
- 11.5. you adapt the splint
- 11.6. you recommend splinting supplies, vendors and resources according to the client's needs (prefabricated splints)

Learning Objectives

- 11.a. The linked external standards are the focus learning objectives for this competency.

12. Use ergonomic principles to modify environments and processes**Assessment Strategies**

- 12.1. through oral, written or graphic assessment
- 12.2. in the classroom, home or workplace

Criteria

You will know you are successful when

- 12.1. you apply universal design principles
- 12.2. you evaluate a workspace
- 12.3. you suggest modifications to meet ergonomic principles
- 12.4. you explore cumulative trauma prevention strategies