

Springfield Technical Community College
Academic Affairs

Course Number: OTA 122L Class/Lect. Hours: _____ Lab Hours: 2 Credits: 1 Dept.: OTA

Semester: spring Year: 2021

OBJECTIVES/COMPETENCIES

Course Objectives	Competencies
<ol style="list-style-type: none"> 1. Modify the environment (home, work, school, leisure, community) for a variety of diagnoses and sociocultural contexts using ergonomic principles. 2. Create and present a functional kit for a specific occupation to promote performance skills and patterns, and client factors and provide supporting evidence. 3. Fabricate an orthotic device to enhance occupational performance. 4. Demonstrate knowledge and skill in the safe and effective use of superficial thermal agents and mechanical modalities. 5. Demonstrate how to use a prosthetic device. 6. Identify and recommend modifications that focus on ergonomic principles to prevent musculoskeletal dysfunction. 	<ol style="list-style-type: none"> 1. Assess, grade, and modify the way persons, groups, and populations perform occupations and activities by adapting processes, modifying environments, and applying ergonomic principles to reflect the changing needs of the client, sociocultural context, and technological advances. (B.4.18.) 2. Demonstrate knowledge of and apply the interaction of occupation and activity, including areas of occupation, performance skills, performance patterns, context(s) and environments, and client factors. (B.3.2.) 3. Demonstrate activity analysis in areas of occupation, performance skills, performance patterns, context(s) and environments, and client factors to implement the intervention plan. (B.3.6.) 4. Explain the need for orthotics, and design, fabricate, apply, fit, and train in orthoses and devices used to enhance occupational performance and participation. (B.4.12.) 5. Train in the safe and effective use of prosthetic devices. (B.4.12.) 6. Define the safe and effective application of superficial thermal agents, deep thermal agents, electrotherapeutic agents, and mechanical devices as a preparatory measure to improve occupational performance. (B.4.17.)

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