BAKER COLLEGE
STUDENT LEARNING OUTCOMES

OCC 5220 Upper Extremity Rehabilitation II
2 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Provide design, fabrication, application, fitting, and training in orthotic devices used to enhance occupational performance and well- being.

   a. Articulate the anatomical and biomechanical principles of orthotic fabrication based on the scientific principles of anatomy, kinesiology, biomechanics and physics.
   b. Apply anatomical and biomechanical principles while designing patterns for a variety of orthotics.
   c. Construct a variety of orthotic devices on human models using anatomical and biomechanical principles.
   d. Practice the precautions that should be considered when fabrication orthotic devices.
   e. Judge whether an orthotic fits properly and works toward desired goals through assessment.

2. Demonstrate the ability to determine the appropriate orthotic and best practice treatment for a client based on the client's occupational profile, client factors and performance components, performance patterns, contextual factors.

   a. Develop an understanding of the types/categories of orthotics and be able to select the appropriate design based on what each category can accomplish.
   b. Associate various orthotic designs and adaptive equipment with common conditions and injuries of the upper extremity in clients
   c. Demonstrate an appreciation of cultural, age, values, disability status, and context that may play a role in the compliance and acceptance of orthotics

3. Demonstrate an understanding of when to consider use of custom made orthotics, pre-fabricated orthotics, assistive devices, serial splinting/casting, inhibitory casting, prosthetics to enhance occupational performance and well- being.

4. Compare and contrast the types of orthotic fabrication materials (e.g. thermoplastics, neoprene, strapping choices etc.) available and be able to determine best practice treatment choices for clients.

5. Demonstrate the ability to document orthotic fabrication as part of occupational therapy services to ensure accountability of services and to meet standards for reimbursement.

Required Elements

RE 1. Goniometer

RE 2. Students must have access to the internet to access On Line Library and to utilize Learning Management System.

These SLOs are not approved for experiential credit.

Effective: Summer 2018