

## KNES 441/443/445 – PRACTICUM COURSE

**Practicum Position Title:** Prosthetist/Orthotist Assistant

**Number of Positions Available:** One

**Company Description:** Alberta Orthotic and Prosthetic Centre provides prosthetic and orthotic care to a population of all ages. The Certified Prosthetists are involved in the entire process from original post-surgery assessments to final prosthesis. Alberta Orthotic and Prosthetic Centre provides patients with many different types of upper and lower extremity prostheses. The Certified Orthotists design, create and modify orthoses based on patient's physical assessments and ongoing needs.

**Location:** Suite 347, 3750 46<sup>th</sup> Ave SE Calgary

**Required Hours:** 60-72 hours – evenly dispersed throughout term:

- 5-6 hours per week during fall and winter terms (13 weeks)

**Academic Session:** Fall and Winter terms only

**Specified Schedule:** To be determined with practicum student.

**Clinic Hours:** Monday to Friday: 9am – 4pm

**Project Duties/Responsibilities:**

- Shadow and assist in patient assessment appointments of gait, posture, range of motion and strength. This will include history taking, recognizing abnormal gait patterns, and identifying asymmetries in patients.
- Assist in the hands-on portion of appointments, such as shape capture for prostheses or orthoses.
- Assist in the creation of custom-made prostheses and/or orthoses. This will include working with different materials such as plaster, plastics and fabrics and various tools and machines including: files, ovens, heat guns, grinders, sanders etc.
- Develop general hand skills and dexterity that are key in the prosthetics and orthotics field.
- Participate in one or more literature reviews over the course of the semester (to be arranged prior to start date).

**Required Student Qualifications:**

KNES 263 – Quantitative Biomechanics  
KNES 363 – Biomechanics of Biological Materials  
KNES 259/263 – Human Anatomy and Physiology I and II  
KNES 323 – Integrative Human Physiology  
Must be seriously interested in Prosthetics and Orthotics  
Must have own transportation

**On-Site Supervisor:** Connor Pardy, MSc. CPO(c)  
Certified Prosthetist/Orthotist  
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