

Spokane Falls Community College
COURSE LEARNING OUTCOMES

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| Prefix and Course Number: | OR-PR 164 |
| Course Title: | Lower Extremity Orthotics 2 – Knee-Ankle-Foot Orthoses (KAFOs) |
| Version Date | 10/20/19 |

Course Learning Outcomes

Upon successful completion of the course, the student will be able to:

1. Describe the design and rationale of various KAFOs, KOs, HKAFOs, and HOs, including metal, thermoplastic, and hybrid variants
2. Demonstrate knowledge of stance control, axial-resisting, reciprocating gait, and fracture management design
3. Identify materials and componentry used in the fabrication of KAFOs, KOs, HKAFOs, and HOs
4. Demonstrate knowledge and skills to prepare a delineation generated for the fabrication of metal KAFOs and HKAFOs
5. Demonstrate knowledge and skill to prepare positive models for thermoplastic KAFOs including Category I & II modifications and sagittal plane angular corrections
6. Apply knowledge and skills to fabricate:
 - a. Metal and leather KAFOs incorporating tibial torsion
 - b. Metal/plastic (hybrid) KAFOs
 - c. Auxiliary control components for KAFOs
7. Recognize various custom and prefabricated KO designs and principles
8. Describe the following HOs:
 - a. Pediatric hip control orthoses
 - b. Post-surgical/trauma hip control orthoses