



# Advanced Concepts in Prosthetic Feet

## COURSE SYLLABUS

COURSE DATE

LOCATION

TIME

COURSE PRESENTER & CREDENTIALS

### COURSE SUMMARY

This one hour intermediate level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals discusses a very brief history of prosthetic feet and reviews the function of the anatomical foot and ankle during the phases of the gait cycle. This anatomical review will assist in understanding how the latest advancements in prosthetic foot/ankle design are attempting to replicate anatomical function. The course presents current advancements in prosthetic feet including: Overload Springs, Passive Motion Feet, Microprocessor Feet (MPF) and Powered Feet.

### OBJECTIVES

Upon completion of this program, the participant will be able to:

1. Identify the functional phases of anatomical foot and ankle motion
2. Describe how prosthetic foot design has attempted to mimic the functional phases of foot and ankle motion
3. Discuss the concept of an overload spring foot design
4. Describe how passive motion feet aide the user when traversing slopes, ramps and uneven terrain
5. Discuss how powered prosthetic feet aide the user in normal gait as well as assist in traversing inclines and stairs

### COURSE OUTLINE

1. Sign In
2. Pre-test (if required)
3. Lecture (60 minutes)
  - History of Prosthetic Feet
  - Review: Normal Foot and Ankle Phases in the Gait Cycle
  - Current Advancements in Prosthetic Feet
    - Overload Springs
    - Passive Motion Feet
    - Microprocessor Feet (MPF)
    - Powered Feet
  - Questions and Answers
4. Post-test (if required)
5. Course Evaluation (online) & Sign Out

### CONTINUING EDUCATION REQUIREMENTS

**In-Person Sessions:** All attendees are required to attend the entire session, sign-in at the beginning and at the end of the course. **Webinar Sessions:** All attendees are required to attend the entire session, and complete a credit request form and evaluation following the session. Throughout the presentation learning outcomes will be assessed through instructor interaction and attendee's participation through Q & A.

### SPECIAL REQUESTS

Hanger Clinic strives to make our learning environments fully accessible and want to provide our guests with an opportunity to identify special needs in advance of the course. Please contact your course coordinator.

**PLEASE NOTE:** If course tuition is required, see the course flyer for the policy on fees and cancellation charges. If Hanger cancels for any reason, a full refund of the course tuition paid to Hanger will be given.

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