



# Lower Limb Prosthesis, Design to Ambulation

## COURSE SYLLABUS

COURSE DATE

LOCATION

TIME

COURSE PRESENTER & CREDENTIALS

### COURSE SUMMARY

This one hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals provides a detailed overview of the process of prosthetic design from the first patient evaluation through to the final fitting of the definitive prosthesis. Special focus will be on the specific steps where the therapist can provide input and assistance to the prosthetist to ensure all aspects of the patient's needs are being met.

### OBJECTIVES

Upon completion of this program, participants should be able to:

1. Describe general pre- and postoperative management of the individual with a lower limb amputation;
2. Describe the overall prosthetic process from amputation surgery to fitting of a definitive device;
3. Compare and contrast the processes of transtibial prosthetic component configuration of bench, static and dynamic alignments;
4. Explain the general process of donning a transtibial or transfemoral prosthesis;
5. Describe general activities of physical therapy that prepare the prosthetic user for ambulation, such as: weight shifting, balance training, proprioception training and use of assistive devices.

### COURSE OUTLINE

1. Sign In
2. Pre-test (if required)
3. Lecture (60 minutes)
  - Patient Evaluation Techniques
  - Casting and Prosthetic Design
  - Functional Levels
  - Component Selection
  - Suspension Methods and Selection
  - Fitting and Initial Gait Training
  - Alignment Evaluation and Gait Deviations
  - Questions and Answers
4. Post-test (if required)
5. Course Evaluation (online) & Sign Out

### CONTINUING EDUCATION REQUIREMENTS

All attendees are required to attend the entire session, sign in at the beginning at the end of the course. Throughout the presentation learning outcomes will be assessed through instructor interaction and attendee's participation and verbal responses to Q & A unless a written assessment is required by an applicable approving State Board or Organization.

### 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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