



**Upper Limb Prosthetics**  
**Course Description and Detailed Agenda**  
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**Learning Objectives.** Attendees will be able to:

- a. Identify and describe the various levels of upper limb amputation
- b. Describe postoperative and preprosthetic therapy programs
- c. Differentiate between passive, body-powered, externally-powered prosthetic solutions
  - i. interface design
  - ii. suspension options
  - iii. components
  - iv. indications and contra-indications
- d. Describe prosthetic use training

This 1-hour course covers upper limb loss demographics, postoperative and preprosthetic therapy, determining the upper limb prosthetic prescription, and upper limb prosthetic training.

- Introduction
- The following topics will be covered:
  - Upper Limb Postoperative Therapy. This section will review wound healing, phantom pain, range of motion, and social interaction.
  - Upper Limb Preprosthetic Therapy. This section will review limb shrinkage and shaping, desensitization, maintenance of normal joint range of motion, increasing muscle strength, instruction in proper hygiene of the limb, maximizing independence, and myoelectric site testing.
  - Determining Upper Limb Prosthetic Prescription. This section will review passive, body-powered, and externally-powered prosthetic solutions (including interface design, suspension options, and components (shoulder joints, elbow joints, and terminal devices)) and indications/contra-indications of the same.
  - Upper Limb Prosthetic Training. This section will review assessment, donning/doffing, wear schedule, care of the limb and prosthesis, body control motions, prosthetic control practice and functional use training.
- Quiz
- Evaluation