

This is a sample agenda. An update agenda with any changes to course sequence and speaker names will be posted once finalized.



Prosthetic Management for Therapy Professionals and Providers
Sample Agenda

Prosthetic Management for Therapy Professionals is a comprehensive three-day course that covers the essential knowledge and skills needed to collaborate with an interprofessional clinical team providing prosthetic care. The course is taught using an interprofessional framework offering the perspectives of physicians, physical therapists, occupational therapists, and prosthetists/orthotists. The clinical faculty is complemented by patient models that enable the faculty to demonstrate core principles while providing their unique view on prosthetic care. The course is delivered using lectures, clinical demonstrations, and interactive mock clinics where the audience will be able to interact with the patient models and clinical experts as they evaluate and formulate patient care plans. Core concepts will be reviewed including normal human locomotion, motor control, materials science, biomechanics, surgical considerations, pre/post-operative care, patient assessment, prosthetic prescription development, and therapy care plans. Our distinguished course faculty is comprised of board-certified physicians, physical/occupational therapists, and prosthetist/orthotists engaged in education, clinical practice, and research.

Day 1 - Foundations of Prosthetic Management (7.0 Hours)

Date TBD

8:00-8:15	Orientation
8:15-9:00	Interdisciplinary Prosthetic Care Principles
9:00-9:10	<i>Break</i>
9:10-10:25	Motor Control and Movement Science Core Principles
10:25-10:40	<i>Break</i>
10:40-12:00	Normal Human Locomotion
12:00-1:00	<i>Lunch</i>
1:00-1:40	Principles of Materials Science
1:40-1:50	<i>Break</i>
1:50-3:35	Principles of Amputation Surgery
3:35-3:50	<i>Break</i>
3:50-4:40	Post-operative Care for the Patient with Limb Amputation A Prosthetist's Perspective

Day 2 – Lower Limb Prosthetic Care: Therapy Applications and Clinical Principles – Part I (7.25 Hours)

Date TBD

8:00 – 8:45	Pre-Prosthetic Therapy for the Patient with Lower Limb Amputation
8:45 – 9:15	Pre-Prosthetic Therapy Clinical Demonstrations
9:15-9:30	<i>Break</i>
9:30 –10:30	Prosthetic Feet
10:30 – 10:40	<i>Break</i>
10:40 – 11:30	Prosthetic Management at the Symes/Partial Foot Levels
11:30 – 12:30	<i>Lunch</i>

<https://www.nupoc.northwestern.edu/about/continuing-education.html>

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12:30 – 1:55	Transtibial Prosthetic Care: Biomechanics and Prescription
1:55 – 2:05	<i>Break</i>
2:05 – 3:30	Transfemoral and Proximal Prosthetic Care: Biomechanics and Prescription
3:30 – 3:40	<i>Break</i>
3:40 – 4:30	Prosthetic Care of Persons with Lower Limb Amputation Model Demonstrators and Case Series

Day 3 AM – Lower Limb Prosthetic Care: Therapy Applications and Clinical Principles – Part II (3.5 Hours)

Date TBD

8:00-8:50	Prosthetic Gait Training and Functional Mobility
8:50-9:00	<i>Break</i>
9:00 – 10:00	Transtibial Gait Deviations and Therapy Considerations
10:00-10:15	<i>Break</i>
10:15-11:15	Transfemoral Gait Deviations and Therapy Considerations
11:15-11:50	Therapy for Persons with LLA: Demonstrations and Lab

Day 3 PM – Upper Limb Prosthetic Care: Therapy Applications and Clinical Principles (3.75 Hours)

Date TBD

1:00 – 1:45	Pre-Prosthetic Therapy for the Patient with Upper Limb Amputation
1:45-1:55	<i>Break</i>
1:55 – 2:40	Body-Powered Prosthetic Management and Harnessing
2:40 – 2:25	Therapy Foundations for Patients with Body Powered Prostheses
2:25-2:40	<i>Break</i>
2:40-3:25	Externally Powered Applications for Upper Limb Prosthetic Care
3:25 – 4:10	Therapy Foundations for Patients with External Powered Prostheses
4:10 – 4:25	<i>Break</i>
4:25-5:15	Therapy for Persons with ULA: Demonstrations and Lab