

**Prosthetics/Orthotics 725A - Upper/Lower-Limb Prosthetics and Orthotics for Physicians,  
Surgeons, and Therapists: April 13-16, 2026**

Venue: Northwestern University Prosthetics - Orthotics Center  
680 N Lake Shore Drive, Suite 1100 – Chicago, IL 60611

## **Agenda**

### **Monday, April 13<sup>th</sup>**

8:30-8:45	Orientation	<b>Room 1105</b> Mr. Robinson
8:45-10:30	Principles of Amputation Surgery	Dr. Ertl
10:30-10:45	<i>Break</i>	
10:45-11:45	Overview: Post-Operative Physical Therapy for the Patient with Lower-Limb Amputation	Dr. Hagopian
11:45-12:45	<i>Lunch</i>	
12:45-2:00	Normal Human Locomotion	Dr. Gard
2:00 – 2:15	<i>Break</i>	
2:15 – 2:45	Post-Operative Prosthetics for the Patient with Lower Limb Amputation	Mr. Robinson
2:45 – 3:45	Prosthetic Feet	Ms. Lee
3:45 – 4:00	<i>Break</i>	
4:00 - 4:45	Principles of the Partial Foot and Symes Prostheses	Mr. Robinson

### **Tuesday, April 14<sup>th</sup>**

8:30-9:45	Transfemoral Prosthetic Care, Biomechanics and Prescription	<b>Room 1105</b> Mr. Hasso
9:45-10:00	<i>Break</i>	
10:00-11:15	Transfemoral and Proximal Lower Limb Prosthetic Care, Biomechanics and Prescription	Mr. Hasso
11:15-12:00	Transfemoral and Transtibial Case Presentation	Mr. Hasso
12:00-1:00	<i>Lunch</i>	
1:00-1:30	Post-Operative Occupational Therapy for the Patient with Upper Limb Amputation	Dr. Turner
1:30-2:30	Upper Limb Prostheses and Harnessing Principles	Mr. Socie
2:30-2:45	<i>Break</i>	
2:45-3:30	Externally Powered Prostheses	Mr. Socie
3:30-4:15	Occupational Therapy with an Upper Limb Prosthesis	Dr. Turner
4:15-5:00	Case Presentations: Upper Limb Prosthetic Management	Dr. Turner / Mr. Socie

**Wednesday, April 15<sup>th</sup>****Room 1105**

8:30-9:30	Prosthetic Management of the Medically Complex Amputee	Dr. Reger
9:30-9:45	<i>Break</i>	
9:45-10:45	Common Foot Disorders and Pedorthic Recommendation	Mr. Robinson
10:45-11:00	<i>Break</i>	
11:00-12:30	Lower Limb Orthotics Systems, Biomechanics and Recommendation: AFO	Mr. Robinson
12:30-1:30	Lunch	
1:30-2:15	Case Presentation and Review: AFO	Mr.
Robinson		
2:15-2:30	<i>Break</i>	
2:30-4:00	Lower Limb Orthotics Systems, Biomechanics and Recommendation: KAFO	Mr. Cavanaugh
4:00-4:15	<i>Break</i>	
4:15-5:00	Case Presentation and Review: KAFO	Mr. Cavanaugh

**Thursday, April 16<sup>th</sup>****Room 1105**

8:30-10:00	Spinal Deformities: Classification and Management	Dr. Bovid
10:00-10:15	<i>Break</i>	
10:15-11:15	Orthotic Management of Scoliosis Recommendation	Mr. Speers
11:15-12:00	Spinal Orthotic Systems for the Treatment of Fractures and Discogenic Pathologies	Ms. Lee
12:00-12:15	Closing Remark	
12:15	<i>Dismiss</i>	

**Contact Hours: 23.5**

## ***Learning Outcomes***

At the conclusion of the course, the learner will:

1. Demonstrate a fundamental understanding of the contemporary rehabilitation care and services that the team provides to patients who require prosthetic and/or orthotic intervention.
2. Demonstrate a fundamental knowledge of common levels of amputation and the etiology associated with upper and lower limb amputations.
3. Identify the role that the physical and occupational therapist plays in the post-operative and sub-acute management of the patient with amputation.
4. Demonstrate the ability to develop a detailed upper and/or lower limb prosthetic prescription based upon contemporary evidence, clinical exam findings and patient values/preferences.
5. Identify atypical clinical presentations and criteria for referral to other health care specialists when presented.
6. Describe the biomechanics of normal human locomotion using static and dynamic models of gait.
7. Identify atypical gait patterns commonly seen within the neuromuscular and orthopedic patient populations.
8. Recognize patients' common clinical presentations that can benefit from upper, lower and/or spinal orthotic management.
9. Demonstrate the ability to develop a detailed lower limb orthotic prescription based upon contemporary evidence, clinical exam findings and patient values/preferences.
10. Understand the etiology and biomechanics associated with common deformities of the spine, including scoliosis and kyphosis.
11. Demonstrate an understanding of treatment protocols tied to the management of persons with spinal deformity, acute injury and/or post-operative needs.
12. Demonstrate the ability to develop a detailed lower limb orthotic prescription based upon contemporary evidence, clinical exam findings and patient values/preferences.