

**Specifically, the overarching goals are:**

1. Hone and sharpen MSK exam skills and management of MSK injuries
2. Refine skills in performing a comprehensive neurological exam to diagnose central vs peripheral nervous system injuries/disorders
3. Learn to focus on function and the functional consequence of illness
4. Improve comfort level and experience working with patients with disabilities
5. Participate in a comprehensive and interdisciplinary approach to holistic medical rehabilitative care
6. Improve medical knowledge in the following domains:
  - Attention to biomechanics and kinesiology
  - Secondary prevention of medical complications in the acute (ICU), subacute (inpatient) and chronic phase of rehabilitation
  - Unique medical issues for individuals with disability (eg. Brain Injury, Amputation, paralysis, etc)

**USU 3<sup>rd</sup> year Medical Students** have the opportunity to rotate on the PM&R service by registering for the PM&R Selective Rotation: [PMR 3100](#)

**USU 4<sup>th</sup> year Medical Students** have the opportunity to rotate on the PM&R service by registering for the PM&R Advanced Clerkship Rotation: [PMR 4215](#).

Army and Navy students interested in applying for a PM&R Residency are encouraged to complete an audition rotation during the summer months of their 4th year.

**Course: MSK Ultrasound Introduction and Applications**

Format: Synchronous and asynchronous didactic and clinical instruction

Registration: Available on rolling basis

Prerequisites: Must be enrolled in the PM&R advanced clerkship rotation

Course Description: Students enrolled in the PMR clerkship can receive more formal training in MSK ultrasound skills which can be completed during their rotation. This two-week course introduces learners to the fundamentals of upper extremity ultrasound. It uses a blended-learning approach to provide

synchronous and asynchronous didactic and clinical instruction. The self-paced asynchronous Sakai modules represent the text for this course. The synchronous Google Meet sessions represent the instructional portion of this course. The text is mandatory reading and should be used in preparation for, and review after, the Goggle Meet sessions. This course is offered for beginner learners with limited or no prior musculoskeletal ultrasound experience. However, a basic knowledge of musculoskeletal anatomy is a prerequisite for this course.

Educational Goals: The Introduction to Musculoskeletal Ultrasound course is designed to help you:

- Understand the basic principles of diagnostic ultrasound
- Recognize normal sonoanatomy
- Recognize proper sonographic scanning skills
- Recognize common sonopathology