

670B: Physical Medicine & Rehabilitation - Outpatient Clinical Course Syllabus

1. Course Director, Coordinator and General Administrative Information

FACULTY AND STAFF

Name	Office Location	Phone	Email
Director: Bi-Ying Yeh, MD	101 The City Dr. S., Bldg. 53, Rm. 311A	714-456-6668	biyingy@hs.uci.edu
Co-director: David Majors, MD	101 The City Dr. S., Bldg. 53, Rm. 311A	714-456-6668	dmajors1@hs.uci.edu
Coordinator: Diana Arsharuni	101 The City Dr. S., Bldg. 53, Rm. 311A	714-456-6668	darsharu@hs.uci.edu

DESCRIPTION

This course is offered as a 2-week or 4-week elective to provide students with a full-time experience in the field of Physical Medicine & Rehabilitation (PM&R). Students will be exposed to outpatient physical medicine and rehabilitation at UCI Medical Center and will learn the roles of a PM&R specialist in treating patients with an impairment, disability, or handicap. Students work under supervision of resident and attending physicians, participate in formal lectures as well as client teaching. In these clinics students will gain experience in managing musculoskeletal complaints, amputations, and acute and chronic neurologic issues such as stroke, traumatic brain injury, spinal cord injury, and spasticity. They will also observe electrodiagnostic studies.

PREREQUISITES

UCI medical students must have successfully completed their basic science curriculum. Extramural students must be in their final year of undergraduate medical education.

For UCI students, please submit a brief personal statement to describe your reason for requesting this rotation and your goals (what would you like to learn and in what setting).

Please include your possible subspecialty considerations for the future and if you will be applying to PM&R for residency.

RESTRICTIONS

If you are not applying to PM&R residency, please consider scheduling your rotation during late January - May if possible.

Extramural students must be in their final year of undergraduate medical education.

We currently are not accepting extramural third year medical students for elective rotations, however if you are interested in a shadowing opportunity, please contact Diana Arsharuni darsharu@hs.uci.edu.

COURSE DIRECTOR

Bi-Ying Yeh, MD, 101 The City Drive South, Department of Physical Medicine & Rehabilitation (PM&R), Bldg. 53, Room 311A (3rd Floor), Orange, CA 92868.

INFORMATION FOR THE FIRST DAY

On Monday morning please report to Dr. Majors' Yorba Linda Clinic at 7:45 AM where you will meet up with the resident and attending. This clinic address is below.

Medical Student Coordinator will provide detailed instructions.

SITE

Dr. Majors
UCI Health — Yorba Linda
18637 Yorba Linda Blvd.
Yorba Linda, CA 92886

Acute Rehab Unit
UCI Medical Center
101 The City Drive South
Building 3, 1st floor
Orange, CA 92868

Dr. Yeh/Dr. Majors/EMG

UCI Medical Center
Pavilion 1, 1st floor
101 The City Drive South
Orange, CA 92868

Dr. Majors/Dr. Khoury
UCI Medical Center
Pavilion 3, Orthopedics
101 The City Drive South
Orange, CA 92868

Dr. Khoury
UCI Health — Tustin
1451 Irvine Blvd.
Tustin, CA 92780

DURATION

2-week and 4-week rotations are available.

Scheduling Coordinator: UCI students please call (714) 456-8462 to make a scheduling appointment.

Periods Available: Throughout the year, except June 20-July 17

NUMBER OF STUDENTS ALLOWED

1 per rotation block

SCHEDULING:

- UC Irvine medical students must officially enroll for the course by contacting the Scheduling Coordinator via email or phone (714) 456-8462 to make a scheduling appointment.
- Extramural students enrolled at a U.S. LCME medical school must use VSAS to apply. To apply please refer to the [Visiting Student Learning Opportunities website](#).

WHAT STUDENTS SHOULD DO TO PREPARE FOR THE COURSE

Understand how to do a comprehensive physical examination including neurologic exam. Understand how to do manual muscle strength testing. Review peripheral nerves and nerve roots listed in medical student handbook that is provided.

COMMUNICATION WITH FACULTY

Questions about logistics should be directed to the Course Coordinator. Direct questions, comments, or concerns about the course can be directed to the Course Director. Contact information and office location are at the beginning of this document.

The Course Director is also available to meet in person. Please email Diana Arsharuni to arrange an appointment. To ensure that your email will not be lost in the large volume of email received, please use the following convention for the subject line:

SUBJECT: PM&R Outpatient Rotation, your last name, your issue (e.g. PM&R Outpatient Rotation, Smith, Request for appointment)

2. Course Objectives and Program Objective Mapping

The following are the learning objectives for the 670B PM&R Outpatient course. Students are expected to demonstrate proficiency in these areas in order to satisfactorily complete the course. In addition, the extent of a student's mastery of these objectives will help guide the course evaluation and grade.

Course Objective	Mapped UCI School of Medicine Program Objective	Sub Competency	Core Competency
Acquire an understanding of common musculoskeletal disorders including shoulder pain, back pain, and knee pain.	A-2. Knowledge of the pathogenesis of diseases, interventions for effective treatment, and mechanisms of health maintenance to prevent disease	Disease Pathogenesis and Treatment	Knowledgeable
Interview a patient to guide a plan for physical exam	B-1. Ability to competently conduct a medical interview and counseling to take into account patient health beliefs, patient agenda and the need for comprehensive medical and psychosocial assessment	Medical Interview	Skillful
Be able to perform a thorough musculoskeletal	B-2. The ability to competently perform a complete and organ-	Physical Exam	Skillful

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exam to evaluate common musculoskeletal disorders	system-specific examination including a mental health status examination		
Develop a differential diagnosis and management plan for common musculoskeletal disorders	B-3. The ability to articulate a cogent, accurate assessment and plan, and problem list, using diagnostic clinical reasoning skills in all the major disciplines.	Patient Management	Skillful
Understand the anatomy and function of common peripheral nerves and nerve roots evaluated in electrodiagnostic studies	A-1. Structure and function of organ systems	Structure and function of organ systems	Knowledgeable
Understand the role of PM&R in the long term management of brain injury, stroke, and spinal cord injury	A-5. Knowledge of medical practice, including healthcare economics and health systems impacting delivery and quality of patient care	Medical Practice	Knowledgeable
Develop a plan of management for brain injury, stroke, and spinal cord injury patients in the outpatient setting	B-3. The ability to articulate a cogent, accurate assessment and plan, and problem list, using diagnostic clinical reasoning skills in all the major disciplines diagnostic clinical reasoning skills	Patient Management	Skillful
Understand the common components of a below knee prosthesis and common complications faced by amputees	A-2. Knowledge of the pathogenesis of diseases, interventions for effective treatment, and mechanisms of health maintenance to prevent disease	Disease Pathogenesis and Treatment	Knowledgeable
Understand the impacts of functional impairments, disability, and handicap on	C-2. Commitment to comprehensive, holistic medical care	Compassion Cultural and	Altruistic

a person, their socioeconomic status, their social roles, and their mental health. Understand the impact that social support network, financial resources, and medical insurance or lack thereof can impact a person's recovery and functional prognosis.	C-3. Sensitivity and awareness of social factors impacting patient health and illness C-4. Seek knowledge and skills to better serve the needs of the underserved in their communities	Social Awareness	
Understand the goals that patients may have throughout their various stages of life. Understand the resources that can be available to patients and the physician's role in helping patients navigate the medical system.	D-2. A commitment to patient care and to the well-being of patients	Patient Care	Dutiful
Give a presentation to the residents and attendings on one topic by the end of the rotation	D-1. Commitment to lifelong learning, independently seeking new knowledge	Lifelong Learning	Dutiful

3. Course Resources

CANVAS COURSE ORGANIZATION

	Mon	Tue	Wed	Thurs	Fri
AM	MSK Yorba Linda Clinic	2 nd /4 th Tuesday General MSK Pav 3 1 st /3 rd /5 th Tuesday Observe ARU Therapists	General MSK Pav 1	<i>Space constraints Tustin</i> Observe ARU Therapists	EMG Pav 1
PM	MSK Yorba Linda Clinic	General Amputee & Neuro Rehab Pav 1	MSK Pav 3	Didactics	Inpatient Consults and Observe ARU Therapists

TEXTS AND READINGS: SUGGESTED

UCI PM&R Medical Student Handbook (provided electronically before rotation begins, physical copy to be provided on the first day)

Physical Medicine and Rehabilitation Board Review
By Sara J. Cuccurullo

ADDITIONAL RESOURCES

www.aapmr.org

www.physiatry.org

4. Major Exams, Assignments and Grading

MANDATORY SESSIONS

PM&R residency didactics

Session Title	Location
PM&R Residency Didactics Thursdays 1-5pm	Varies

MAJOR ASSIGNMENTS AND EXAMS

Medical students will be required to give a 15-minute presentation about a PM&R topic of their choice during the final week of their rotation, during resident Zoom didactics.

THE GRADING SCALE

Medical Students are graded using the following scale: Honors (H), Pass (P), and Fail (F). or for the MS I courses Pass (P), and Fail (F).

You have 30 days from the date of the grade to appeal any aspect of this grade. Please contact your Clerkship/course Director should you have any questions

GRADING

Medical Students are graded using the following scale: Honors (H), Pass (P), Fail (F) and Incomplete (I). For further information, please review the [Grading Policy](#).

Requirements for “Pass”:

To receive a grade of Pass, students must demonstrate successful performance in all the following areas:

- Knowledge
- Patient Care
- Practice-Based Learning
- Interpersonal & Communication Skills
- Professionalism
- Systems-Based Practice

Requirements for “Honors”:

To receive a grade of Honors, students must demonstrate exceptional performance (top 10% of all students) in all the following areas:

- Knowledge
- Patient Care
- Practice-Based Learning
- Interpersonal & Communication Skills
- Professionalism
- Systems-Based Practice

Grounds for “Incomplete”: *You will not be issued a grade until all elements of the course have been completed.*

REMEDIATION

Remediation, if needed, will be designed by the Course Director to suit the issue at hand.

Grounds for “Fail”: *You will receive a grade of “Fail” if the requirements for passing the course have not been met. Please refer to the [Grading Policy](#) for the impact of the “Fail” grade to the transcript.*