

***College of Osteopathic Medicine of the Pacific***

**Syllabus Rheumatology**

Course No.:	OM 7020, 7021, 7025,7050	Course Title:	Rheumatology
Credit Hours:	4 weeks, 4 credit hours each rotation	Chair: Clerkship director:	Emmanuel Katsaros DO, Chair
Term Dates:	Variable OMS III and OMS IV academic year	Level:	OMS III, OMS IV

FOR POMONA CAMPUS

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This elective rotation is a two four (2 4) week introductory, structured clinical experience under direct supervision designed to provide the student experience diagnosing, treating and caring for patients with rheumatological disorders. There is no post rotation exam for the elective. Most students electing to take this rotation will be in the third or fourth year of osteopathic medical school.

### **Purpose of Rotation**

Clinical experiences are intended to assist the student's transition from didactic to integrated clinical evaluation and patient management. The goals of this rotation are to prepare the student to recognize common acute and chronic rheumatological disorders. The student should further understand the causes, prevention, and appropriate treatment options for those disorders. The student should also develop fundamental psychomotor skills by performing routine basic procedures under direct supervision.

The College recognizes that two four (2 4) weeks is insufficient time to cover a comprehensive list of objectives; experience gained is dependent on the numbers of patients and types of disease entities presenting to a particular clinic. Nevertheless, certain minimum content must be addressed, either by clinical exposure or by didactic material to assist the student in preparing for national Board examinations and other evaluation measures.

The following AOA competencies have been incorporated into the objectives: Osteopathic Principles and Practice, Medical Knowledge, Patient Care, Interpersonal and Communication Skills, Professionalism, Practice Based Learning and Improvement, and Systems Based Practice.

The student will be expected to:

1. Apply basic knowledge of the anatomy and physiology of the organ systems to the care of the acutely and chronically



14. Display collegiality, professionalism and respect toward all members of the healthcare team. (COMP/AOA core competencies 4, 5, 7; Institutional outcomes 3, 4)
15. Follow all infection control policies and guidelines as established by the Centers for Disease Control and Prevention (CDC) and the Society for Healthcare Epidemiology of America (SHEA). (COMP/AOA core competencies 2, 4, 6, 7; Institutional outcomes 1, 2, 7)
16. Obtain a greater understanding of the patient physician relationship and consistently apply the "bio psychosocial model." (COMP 1,2,3,5,7; Institutional Outcomes 1,2,3,4,5,6,8)
17. Apply Osteopathic Principles and Practice as an integral part of patient treatment and care. (COMP 1,2,3,4,5, 6,7; Institutional Outcomes 1,2,3,4,5,6,7,8)

At the end of the rotation, the student should be able to:

Assist in the evaluation, treatment, and disposition of patients. # #

x Assist

## Intramuscular injection

Wound culture

Dressing Change

PPD placement

## Rheumatology Procedures

The following advanced procedures may be performed by general internists and occasionally by a third year or fourth year medical student under their supervision. All students must be able to define, describe and discuss these procedures, and understand their indications, risks, contraindications, and benefits. Although residents and attending are responsible for obtaining written consent, none of the following procedures should commence without following appropriate protocols to obtain the consent, and students should participate in obtaining an informed consent. In addition students should gain experience writing procedure notes that document the indications, how the procedure was done, and complications.

Arthrocentesis: wrist, elbow, knee or ankle and interpretation of aspirate studies

Shoulder injections

Tigger point injections

During the two four (2 4) four week elective, the student will be exposed to a wide variety of common rheumatological disorders. These exposures will occur both during patient sessions and through didactic sessions and outside reading assignments. At a minimum, it is expected that each student will learn to diagnose and treat the following rheumatological disorders The topics in **bold** in the table below indicate high yield subjects that are recommended to focus on if there is not time to study in depth on all subjects listed:

### Core Rheumatology

Out Patient:

**Osteoarthritis**

**Rheumatoid Arthritis**

**Seroneagtive Spondyloarthropaties**

**Systemic Lupus Erythematosus**

**Polyarthralgia**

Core Rheumatology In Patient:

**Polyarthralgia**

Microscopic Polyangiitis  
Takayasu Arteritis  
**Giant Cell Arteritis**  
Osteoporosis  
Back Pain  
Shoulder Impingement Syndrome  
Carpal Tunnel Syndrome  
Antiphospholipid Antibody Syndrome

Fever of unknown origin  
**Leukocytoclastic Vasculitis**  
Giant Cell Arteritis  
**Antiphospholipid Antibody Syndrome**

### Texts and Media

It is strongly recommended that students spend approximately 10 hours per week reading independently. Students should not rely solely on the review books to be adequately prepared for the rotation as they do not provide the knowledge base needed to successfully pass the rotation.

### Reading Assignments

1. Review all core topics and diseases listed above.
2. Supplemental readings are encouraged to augment pathology seen in a dermatology office. Students must make a concerted effort to read supportive material to assist in achieving the goals and objectives of the rotation.

### Implementation

Course objectives are to be accomplished under supervision. Course objectives should be covered during the rotation to assure adequate student preparation for board examinations and clinical practice. The use of diverse methods appropriate to the individual and the clinical site are encouraged, but patient centered teaching is optimal.

Didactic methods to achieve required objectives include:

- Reading assignments
- Lectures
- Computer assisted programs (if available)
- Student attendance at/participation in formal clinical presentations by medical faculty

Clinically oriented teaching methods may include:

- Assignment of limited co management responsibilities under supervision
- Participation in clinic visits, daily patient rounds and conferences
- Supervised and critiqued clinic work ups of patients admitted to the service
- Assigned, case oriented reading and case presentations

**Required Textbooks:**

1. Kochar's Clinical Medicine for Students, 6th Ed. ISBN 978 1491781340
2. Current Diagnosis & Treatment: Rheumatology, 3e. Imboden JB et al. ISBN 978 0 07 163805 0
3. Systematic Musculoskeletal Examinations. Lawry, GV. 2012. ISBN 978 0 07 174521 5.

**Required Media:**

1. Up to Date (free through WesternU)

**Evidence Based Medicine:**

ACP's PIER Stat! Ref PIER© is a collection of over 400 evidence summaries published by the American College of Physicians. Each module provides authoritative guidance to improve the quality of care.

Cochrane Library for Evidence Based Medicine The Cochrane Library contains high quality, independent evidence to inform healthcare decision making.

DynaMed Point of care reference resource designed to provide doctors and medical researchers with the best available evidence to support clinical decision making

Essential Evidence Plus A powerful resource packed with content, tools, calculators and alerts for clinicians who deliver first contact care.

ACP Medicine ACP Medicine is a comprehensive, evidence based reference for fast, current answers on the best clinical care.

**Recommended downloads for handheld devices:**

Epocrates

Medscape

Medical Calc

AHRQ ePSS

**Electronic Texts**

Cecil Medicine MD Consult

Harrison's Online AccessMedicine

Current Medical Diagnosis and Treatment 2021 AccessMedicine

MD Consult Provides full text access to approximately 40 medical textbooks,





2. Know your patients well. Read up on the disease process of your patients, which includes diagnosis and treatment. These practices will help you understand the manifestation of the disease process and why certain treatment modalities are being used.
3. Practice and learn how to orally present patients. This will be a skill that you will use for all rotations and will have to master as a physician.

There is no post rotation examination for this rotation. At the beginning of the rotation, the physician/mentor should review expectations/guidelines of performance with the student. On the last day of service, the supervising physician should

Updated:

## Evaluation/Grading

Grading for your clerkship will be calculated according to the Clinical Education Manual (<https://www.westernu.edu/media/osteopathic/pdfs/cem.pdf>)

Please note, your attending/preceptor's evaluation is based on, but not limited to the following:

- Communication skills regarding patients
- Care provided to assigned patients
- Attendance and participation at conferences, morning reports lectures and meetings
- Demonstration of library references on patients
- Completion and accuracy of paperwork on patients (Histories and Physicals, progress notes, treatment plans, presentations, hand outs, etc.)
- Interaction with attendings, residents, students, medical staff, nursing and ancillary personnel
- General knowledge base and knowledge applied to specific patients
- Motivation in the learning process
- Overall performance, participation, enthusiasm to learn, and effort to improve
- Mid rotation grades should be given by the intern/resident/attending. The final grade should be given/reviewed with the student on the last day of the rotation.

Evaluation/grading of your performance on the rotation

**3. Two Weeks of Virtual Rotation and Two Weeks On site Clinical Rotation**

Department of Internal Medicine, Rheumatology faculty will grade your performance during the 2 weeks of virtual rotation (2 credit hours).

Clinical rotation site will grade your performance during 2 weeks of on site rotation (2 credit hours).

Student must attend all mandatory teleconference learning sessions during the virtual portion of the rotation.

**4. Four Week Virtual Rotation**

Department of Internal Medicine, Rheumatology faculty will grade your performance during the 4 weeks of virtual rotation (4 credit hours).

Student must complete all activities and assignments specified by Department of Department of Internal Medicine, Rheumatology faculty to receive final grade

Student must attend all mandatory teleconference learning sessions during the virtual portion of the rotation.

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The principal and practices of osteopathic medicine are intertwined in the practice of every osteopathic physician. Many specialties may utilize the osteopathic approach as r

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<b>Osteopathic Manipulative Medicine</b>	osteopathic practitioner who remains dedicated to life long learning and to practice habits in osteopathic philosophy and manipulative medicine.
<b>2. Medical Knowledge</b>	Residents are expected to demonstrate and apply knowledge of accepted standards of clinical medicine in their respective specialty area, remain current with new developments in medicine, and participate in life long learning activities, including research.
<b>3. Patient Care</b> <b>4. Interpersonal and Communication Skills</b>	Residents are expected to demonstrate interpersonal/communication skills that