

630G Hematology & Medical Oncology

Course Name Hematology & Medical Oncology
Course Director Jason Zell, MD

Elective at a Glance		
Available to: [X] UCI MS3 students [X] UCI MS4 students [X] Extramural Students		
Duration: 2 to 4 weeks	Number of Students: 2	Grading: H / P / F
Periods available: The time of the course must be pre-approved by the elective director at least three months prior to the start of the course. No exceptions.		

1. Course Director, Coordinator and General Administrative Information

FACULTY AND STAFF

Name	Office Location	Phone	Email
Director: Jason Zell, MD	101 The City Dr. S., Bldg 56, Ste. 251, Orange, CA 92868	714-456- 5153	jzell@hs.uci.edu
Coordinator: Carlie Courtney			ccourtn1@hs.uci.edu

COURSE DESCRIPTION

During the Hematology & Medical Oncology elective students act as consultants to patients with hematologic or oncologic problems on Teams L (hematology inpatient service) and S (solid tumor consult service), at UCI Medical Center and are supervised by the Hem/Onc Fellow and Attending faculty member. Attending rounds are held daily and are for decision-making in patient management. The rounds include presentation of all patients on these services. The student sees these patients under guidance of the Hem/Onc Fellow. These patients have a wide variety of hematologic and oncologic problems. Students have the opportunity to follow Hem/Onc inpatients, bone marrow transplant patients, consultations and outpatient visits.

DEPARTMENT: Internal Medicine, Division of Hematology/Oncology

PREREQUISITES

This course is intended for third- and fourth-year students enrolled in the undergraduate medical education program at UCI School of Medicine. UCI students must have successfully completed the basic science curriculum and their Inpatient and Ambulatory Medicine Clerkship.

RESTRICTIONS

This course is intended for third- and fourth-year students enrolled in the pre-doctoral medical education program at UCI School of Medicine.

COURSE DIRECTOR

Jason Zell, MD is the course director for 630G course

COURSE COORINDATOR

Carlie Courtney is the course coordinator for 630G course.

INSTRUCTING FACULTY:	HEMATOLOGY/ONCOLOGY FELLOWS:
Jeffrey Ahn, MD Zhaohui (Ann) Arter, MD Elizabeth A. Brém, MD Warren A. Chow, MD Stefan O. Ciurea, MD Catherine Coombs Farshid Dayyani, MD, PhD Sami Dwabe, MD Angela G. Fleischman, MD, PhD Deepa Jeyakumar, MD Matthew J. Keating, MD Yulian Khagi, MD Piyanuch Kongtim, MD, PhD Fa-Chyi Lee, MD Nataliya Mar, MD Rita S. Mehta, MD Rupali Nabar, MD Misako Nagasaka, MD, PhD Nellie Nafissi, MD Edward L. Nelson, MD FACP Ritesh Parajuli, MD Arash Rezazadeh Kalebasty, MD Jennifer B. Valerin, MD, PhD Richard Van Etten, MD, PhD Victoria Villaflor, MD Brian Warnecke, DO Omid Yazdanpanah, MD Jason Zell, DO, MPH	First-Year Fellows: Kim Aldecoa, MD Mollee Chu, MD Nazmul Hasan, MD Robert Ireland, MD Alexandria Lee, MD Allison Reichl, MD Carmen Say, MD Second-Year Fellows: Blake Adnani, MD Vinay Nittur, MD Ravand Samaeekia, MD Third-Year Fellows: Dalia Kaakour, MD Catherine Ly, MD Farah Shah, MD Shannon Zhang, MD

INFORMATION FOR THE FIRST DAY

Whom to report to on the first day: XXX

Location to report on the first day: UCI Medical Center

101 The City Drive S., Building 63 (200 S. Manchester Ave.), Ste. 400, Orange, CA 92868

Or Report directly to the respective rotation location

Time to report on the first day: 8:00 a.m.

SITE: UCI Medical Center, 101 The City Drive South, Orange, CA 92868

DURATION: 2-4 weeks

SCHEDULING COORDINATOR: UCI students, please email comsched@uci.edu to make a scheduling appointment.

PERIODS AVAILABLE: The time of the course must be pre-approved by the elective director at least three months prior to the start of the course. No exceptions.

NUMBER OF STUDENTS ALLOWED:

Two (includes intra and extramural) – additional students require approval from the Elective Director and Site Coordinator.

WHAT STUDENTS SHOULD DO TO PREPARE FOR THE COURSE:

Satisfactorily completed the Medicine Core Clerkship

CLINICAL RESPONSIBILITIES OF THE STUDENT: Follow and consult patients under the supervision of intern, resident, fellow and attending.

PATIENT CARE RESPONSIBILITIES: Supportive of intern, resident, fellow and attending in care of patients.

CALL SCHEDULE OF THE STUDENT: None

PROCEDURES THE STUDENT WILL LEARN:

- Bone marrow aspirate/biopsy
- Lumbar puncture for intrathecal chemotherapy

PERCENTAGE OF TIME IN AMBULATORY SETTING: May vary from 10-40 percent depending upon the student's interest.

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, by appointment only. Please email ccourtn1@hs.uci.edu 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: COURSE NAME, your last name, your issue (e.g. 630G, Smith, Request for appointment)

2. Course Objectives and Program Objective Mapping

The following are the learning objectives for the 630G 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
Be knowledgeable about a wide variety of acute medical problems of cancer patients.	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
Be experienced in the evaluation and treatment of patients with primary Hematologic or Oncologic disease.	A-3. Knowledge of basic clinical skills required to meet the skills objectives, including interviewing, physical diagnosis, communication and clinical reasoning processes; B-1. The 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;	Evaluation and Treatment of Patients; Conducting a Medical Interview	Knowledgeable and Skillful
Be familiar with hematologic complications of other illnesses in patients seen on the consult service.	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
Be proficient in physical examination; clinical differential diagnosis; interpretation of	B-2. The ability to competently perform a complete and organ-system-specific examination including a	Perform Complete Examination; Search Medical Literature	Skillful

abnormal laboratory tests related in particular to hepatic, renal, cardiac and pulmonary functions; interpretation of peripheral blood and bone marrow smear findings; surgical pathology review; roentegenographic findings; and interpretation of radionuclide scans, sonograms, and CT scans.	mental health status examination; B-4. The ability to search medical literature, including electronic databases, and to locate and interpret up-to-date evidence to optimize patient care.		
Demonstrate professionalism by attending assigned rounds, conferences and lectures.	C-2. Professional behaviors reflecting compassion and respect for patient privacy, altruism and a commitment to comprehensive, holistic medical care.	Demonstrating Professionalism and Commitment.	Altruistic

KEY TOPICS: Treatment of neutropenic fever, oncologic emergencies, benign hematology, leukemia and solid tumors

COMPETENCIES:

- Physical examination in oncology patients
- Knowledge concerning treatment decisions for cancer patients
- Recognition of oncologic emergencies
- Care of the neutropenic patient

Attitudes and commitments:

- Compassion in dealing with cancer patients and their families
- Academic inquisitiveness

EDUCATIONAL ACTIVITES

Mondays	8 a.m. - 5 p.m.
Tuesdays	8 a.m. – 5 p.m.; 5:30 p.m. – 6:30 p.m. (didactic lectures, Journal Club or Morbidity & Mortality conference)
Wednesday	8 a.m. - 5 p.m.
Thursdays	8 a.m. - 5 p.m.
Fridays	7 a.m. – 8 a.m. (didactic lectures); 8 a.m. - 5 p.m.
Saturdays	An occasional morning

3. Course Resources

TEXTS AND READINGS: SUGGESTED

- Hematology, Williams et al.
- Cancer-Principles & Practice of Oncology, Devita et al.
- Clinical Hematology, Wintrobe

4. Major Exams, Assignments and Grading

MANDATORY SESSIONS

CONFERENCE/LECTURE/SMALL GROUP SESSIONS: Although there is no standardized lecture series for this rotation, all students will participate in small group discussions, core lecture series, Journal Club lecture, Morbidity and Mortality conference lectures, and tumor board discussions.

Session Title	Location
Journal Club Conference (CME)	Virtual – Zoom Teleconference
Morbidity and Mortality (CME)	Virtual – Zoom Teleconference
Tumor Board Conference (CME) - Various	Virtual – Zoom Teleconference

Course Hours - Weekly Summary:

2.0	Case-based
5.0	Conference
5.0	Clinic
30.0	Inpatient/ward
2.0	Lecture
10.0	Other: reading the medical literature and writing
54.0	Total

CONTENT THEME INTEGRATION:

- Alternative Medicine
- Biostatistics
- Death and Dying
- Ethics
- Evidence-Based Medicine
- Family Violence/Abuse
- Nutrition
- Palliative Care
- Pain management

MAJOR ASSIGNMENTS AND EXAMS

To receive a grade of Pass or Honors, the student will be expected to formulate and successfully present to the Attending and Team a short (10-15 min) educational/didactic

session on a topic identified by the Attending, which has relevance to one or more clinical situations present in the patients of the Team.

GRADING

Medical Students are graded using the following scale: Honors (H), Pass (P), Fail (F), and Incomplete (I). The final grade is submitted on the standard UCI elective form. The student is evaluated by attendings and residents in the areas of knowledge base; ability to perform a history and physical exam; case presentations; clinical judgment; relationship with physicians, other medical personnel and patients. If the student fails the elective, a grade of "F" is permanently recorded on his/her transcript.

The student can repeat the course for a second grade; however, the "F" cannot be removed from the transcript. For further information, please review the Grading Policy. 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

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 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.