LABMD 853: Laboratory Medicine

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BLOCK	#	BLOCK	#	BLOCK	#	BLOCK	#	BLOCK	#
Block 1	1	**Block 3**	1	**Block 5**	1	**Block 7**	1	**Block 9**	1
Block 1A		Block 3A		Block 5A		Block 7A		Block 9A	
Block 1B		Block 3B		Block 5B		Block 7B		Block 9B	
Block 2	1	**Block 4**	1	**Block 6**	0	**Block 8**	1	**Block 10**	1
Block 2A		Block 4A		Block 6A		Block 8A		Block 10A	
Block 2B		Block 4B		Block 6B		Block 8B		Block 10B	

Does this rotation accept visiting students? ☒ YES ☐ NO

COURSE DESCRIPTION:
This comprehensive elective exposes students to the all aspects of laboratory medicine including chemistry, microbiology, hematology, immunology, transfusion medicine and molecular diagnostics. The students will participate in laboratory rotations, laboratory rounds, conferences and small group sessions with attending faculty, residents, fellows and clinical laboratory staff. The overall objectives of the rotation are for the student to gain an appreciation of the role of laboratory measurements in the diagnosis and management of patients and to understand the preanalytical, analytical and post-analytic factors that influence laboratory results.

LEARNING GOALS & OBJECTIVES: At the completion of this clinical rotation students should be able to do the following:
1. Identify the important preanalytical, analytical and post-analytical variables that influence laboratory results. (MK4, PC2, PL2)
2. Discuss the basic principles and test methods used in the clinical chemistry, microbiology, transfusion medicine, hematology and immunology laboratories. (MK5, PC2, PL2)
3. Describe the relationship of clinical laboratory results to diagnosis and patient management. (MK8, PL3, SL2)

INSTRUCTIONAL METHODOLOGIES AND ROTATION ACTIVITIES: Students on this rotation will be expected to learn and achieve the educational goals and objectives through the attending following methodologies and activities:
1. Lectures (Laboratory Medicine Core Lecture Series for Pathology residents; Thursdays, 8-9 am; CH 204)
2. Lab (Rotations through the different Clinical Laboratory sections as described above)
3. Conference (Clinical Pathology On-call Conference; Mondays 8:30-9:30 am; CH 204)
4. Seminars (Pathology Journal Club; 2nd Wednesday, 8-9 am and Grand Rounds; 1st Wednesday, 8-9 am; CH 204)
5. Small groups (daily with faculty at various times)
6. Independent study (assigned reading and review with faculty)

PATIENT ENCOUNTERS: Students will be expected to work-up patients with these specified conditions:
1. Students present clinical problem or case in which the laboratory results were particularly important in diagnosis or management that they encountered during the laboratory rotations. Cases selected depend upon the students' interest.

EVALUATION / FEEDBACK METHODS: Students will be evaluated using the following methods.
1. E*Value Clinical Performance Evaluation.
2. Direct observation.
3. Oral presentation.
4. A mid-point evaluation form will be completed half way through the rotation in order for the student to be assessed on their performance.

Will students be expected to participate in call? ☐ YES ☒ NO