Integrated Systems

CLMD 406

Course Description

This course is designed to provide students with a review of systems through case presentations and didactic reviews.

Credit: 6.0 semester credits   Repeatable: No

Course Structure

This course will provide student's opportunities to participate in focused reviews of systems from a clinical perspective. Students will supplement their learning and preparation for exams through independent learning and formative examinations. During the course, several benchmark exams will be scheduled to assess student preparedness to move to term 6.

Competencies: At the end of Introduction to Integrated Systems Review, the student will have had the opportunity to practice the following competencies through meeting the objectives of the course:

Medical Knowledge

MK2   Identify the pathology and pathophysiology of various diseases and correlate them with clinical signs and symptoms.

MK3   Demonstrate knowledge of common or significant, acute and chronic clinical problems.

MK5   Demonstrate comprehension of clinical interventions and agents including pharmaceutical, surgical, genetic, complementary and alternative medicines, and other therapies.

MK6   Demonstrate knowledge and ability to interpret epidemiological and public health contributions to understanding health and disease.

MK7   Demonstrate knowledge of preventive medicine and current guidelines for health promotion and disease screening.

Communication Skills

CS2   Communicate with others in a respectful, professional and non-judgmental manner and demonstrate effective listening skills (e.g., maintaining eye contact, body posture, verbal and non-verbal facilitation skills).

CS3   Demonstrate the ability to give a clear, concise, and organized oral presentation and written documentation of a history and physical exam with basic elements of assessment and plan that addresses the psychosocial and biomedical needs of the patient for a focused or complete patient encounter.

Professionalism

PR1   Demonstrate honesty, integrity, and ethical behavior in all interactions with patients and other health care professionals

PR2   Describing the importance of protecting patient privacy and identifying personal health information, including when and when not to share information.

PR5   Maintain appropriate professional appearance and composure.

Objectives:

- Demonstrate professional behavior and appropriate communication skills during class presentations and discussions
- Demonstrate medical knowledge through successful completion of formative exams and assigned practice materials
- Demonstrate an understanding of abnormal lab values presented in cases and vignettes (see attached Laboratory Values sheet) with a focus only on what an abnormal value suggests and not reference ranges.

Assignments:

- Complete a study plan for the term and submit to the course director for review and discussion. **Study plans must be submitted by Monday of Week 2.**
- Review the following common chief complaints and develop a diagnostic algorithm for **at least 5 of the complaints listed below** that includes at least 3 differential diagnoses, tests to determine a diagnosis, and treatment to the extent possible.
  - Abdominal pain
  - Chest pain
  - Chronic fatigue
  - Difficulty breathing
  - Ear ache
  - Fever
  - Low back pain
  - Headache
  - Sore throat
- Complete all Kaplan diagnostic and institutional tests scheduled.
- Complete a minimum of 1500 Kaplan questions from the Qbank. Students are encouraged to use Kaplan Q bank but may use other question banks like UWorld Q bank. Submit proof of completion by Monday 5:00 p.m. after the first CBSE.
- Complete weekly formative tests. These tests will be "knowledge questions" to test basic factual knowledge. The student must attain a 70% or greater on all tests and may take additional tests if necessary.
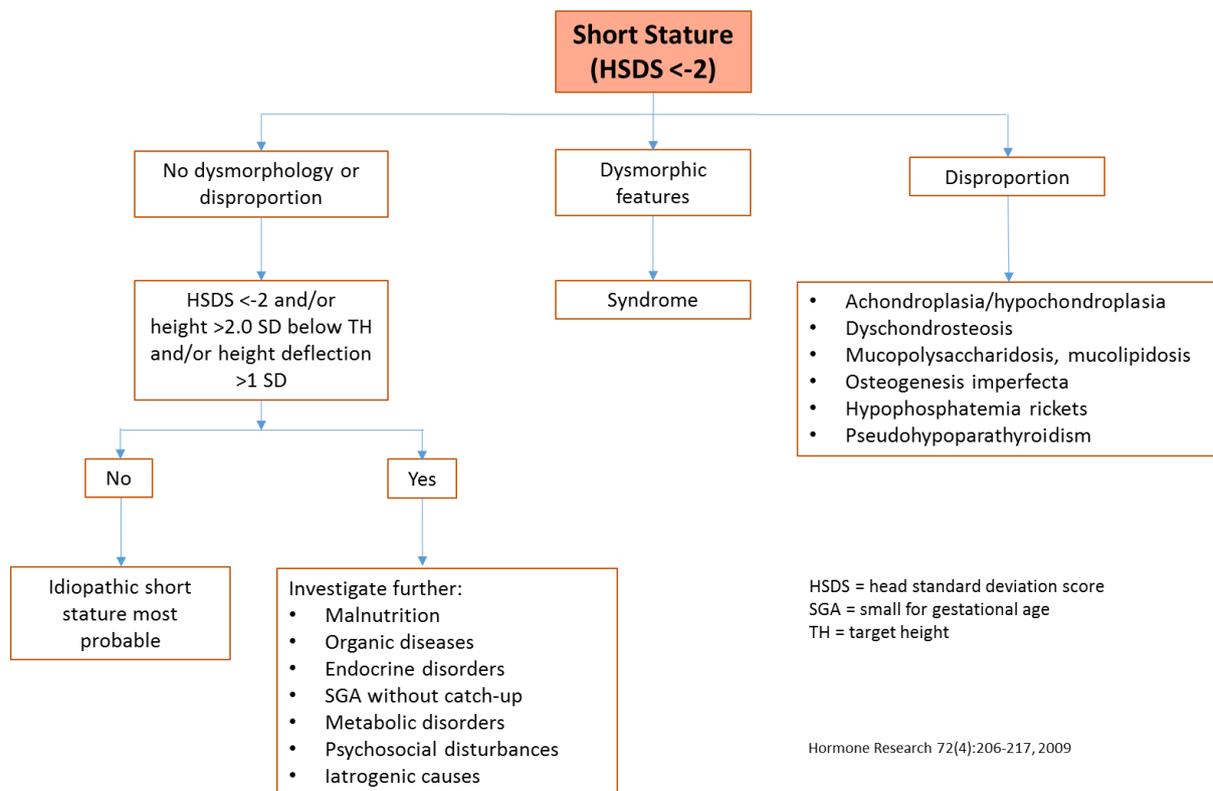
Evaluation:

Grading Rubric for Algorithms

Criterion	**5 points**	**4 points**	**3 points**
Completeness	All components are present and complete: differentials, tests for inclusion/exclusion, treatment	1-2 aspects of a complete algorithm are missing	More than 2 components of an algorithm are missing.
Correctness	More than 3 appropriate differential diagnoses are included	3 appropriate differential diagnoses are included	Less than 3 appropriate differential diagnoses are

			included or 1 or more are incorrect
Clarity	Algorithm is well-presented and easy to follow	Algorithm is difficult to follow in some areas	Algorithm cannot be followed
Conciseness	Succinctly laid out without sacrificing clarity	Occasional extraneous material	Very long, redundant or extraneous writing

Simple Algorithm Example. This example does not provide treatments. It gives you an example of how to organize thoughts around a presentation/chief complaint.

Formative Quizzes. During the term, formative quizzes will be schedule that cover topics from didactic classes. Though formative in nature, the material presented is coordinated with clinical topics important for CBSE preparation. Students should strive for 70% correct on these quizzes. At the end of the term, the following scale will be used for individual points:

Total Percent of Quizzes Correct	Points
90-100%	30
80-89%	25
70-79%	20
<70%	15

Comprehensive Basic Science Exam. Students will have 2 opportunities to take this exam. The highest score will be recorded. A **score of 69** is required to be certified for the USMLE Step 1 exam; a passing score on this exam is required to begin clerkships. Students making greater than 69 on the first CBSE may improve their grade with the second.

CBSE Score	Points
69 or better	100
60 – 68	75
50 – 59	50
< 50	25

Points:

	Maximum Points*
Submission of study plan on time	TBA

Chief complaint algorithms
   o Completeness
   o Correctness
   o Clarity
   o Conciseness
	TBA

Formative quizzes	TBA
QBank questions (1500 Kaplan questions during term)	TBA
Comprehensive Basic Science Exam	TBA
Total Points	TBA

*Points will be determined each term and posted. Students will be notified of changes.

Grade:

Grade adjustment: In the event the mean of the class is below 85% at the end of the term, a number of points will be added to each score to achieve a class mean of 85%.

Percent of Points	Letter Grade
95-100%	A(h)
90-94%	A
85-89%	B+
80-84%	B
75-79%	C+
70-74%	C
<70%	F

Attendance: Students must attend all guest lectures during the term and participate in and all diagnostic exams. Formative exams are optional, but recommended.

Policies

Professional Demeanor

The student should be thoughtful and professional when interacting with faculty and other students. Inappropriate behavior includes the use of offensive language, gestures, or remarks with sexual overtones. Students should maintain a neat and clean appearance, and dress in attire that is generally accepted as professional when presenting class presentations.

<u>Honesty</u>

Students are expected to demonstrate honesty and integrity in all aspects of their education and in their interactions with faculty, administration, physicians, patients, and fellow students. They will not cheat, plagiarize, or assist others in the commission of these acts.

Teaching Faculty:

Dr. Cooper: Neurology and Endocrinology
Dr. Ibrahim: GI and Cardiology
Dr. Leeper-Woodford: Cardiac, Pulmonary and Renal Physiology
Dr. Morris-Patterson: Psychiatry & Behavioral medicine