

The Hebrew University of Jerusalem

Syllabus

ADVANCED INTERNAL MEDICINE - 65850

Last update 21-09-2024

<u>HU Credits:</u> 2

Degree/Cycle:

Responsible Department: Veterinary Medicine

<u>Academic year:</u> 0

Semester: 2nd Semester

<u>Teaching Languages:</u> Hebrew

<u>Campus:</u> Rehovot

<u>Course/Module Coordinator:</u> Dr Sharon Kuzi

Coordinator Email: sharon.kuzi@gmail.com

Coordinator Office Hours: appointment by phone

Teaching Staff:

Prof. Gad Baneth, Prof. Gilad Segev, Dr. Sharon Kuzi, Prof. Efrat Kelmer, Dr. Ran Nivy, Dr. Ohad Dan, Dr. Mazaki-Tovi Michal, Prof. Itamar Aroch

Course/Module description:

The course focuses on preparing the vast information that is taught during the 3rd year of veterinary school for clinical implementation, while clarifying how to clinically think of and approach various specific clinical (e.g., vomiting or icterus) and clinico-patholiogical (e.g., anemia) problems, and how to implement the theoretical knowledge on diagnosing specific cases.

While the theoretical preliminary information is divided to body organs (e.g., kidney, gastrointestinal tract and liver), this course teaches how to address the presenting problem that prompted a visit to the clinic (e.g., vomiting can occur in various diseases and are not a specific finding in intestinal disease alone).

Course/Module aims:

1. To introduce basic clinical approach to medical cases using a problem list (problem-oriented approach)

2. To emphasize to importance of the history and physical examination in building the problems list, teach how to choose high yield problems and build a comprehensive list of differential diagnoses organized in order of frequency and probability.

3. Teach how to build a diagnostic plan, create a minimal data base and specific data base for the high yield problems.

4. Introduce the process of ruling in / out differential diagnoses, using accepted algorithms, until reaching a diagnosis

Learning outcomes - On successful completion of this module, students should be able to:

At the end of the course the student will be able to prepare lists of differential diagnoses to high yield clinical and clinic-pathological problems, asses the probability of each differential diagnoses based on theoretical knowledge, build a diagnostic plan to rule in/out differentials and reach a diagnosis. The students will understand how to prepare the theoretical knowledge for clinical implementation in their 4th year and the rest of their career as physicians, and they will have another opportunity to go over the data from different points of experts views.

<u>Attendance requirements(%):</u> 100%

Teaching arrangement and method of instruction: The lectures are focused on clinical case presentations and discussions, including a chosen problem list, covering various medical subjects; such as problems chosen from the history and physical examination (i.e., jaundice, vomiting and diarrhea, Polyuria & polydipsia, polakiuria, incontinence, lymphadenopathia, splenomegaly, effusions, etc.) and laboratory anomalies (i.e., electrolytes abnormalities).

Course/Module Content:

Introduction & clinical approach to the patient with red urine clinical approach to the patient with PU/PD / polakiuria or incontinence clinical approach to the patient with syncope clinical approach to the patient with edema / effusions clinical approach to the patient with anemia clinical approach to the patient with constipation / diarrhea clinical approach to the patient with vomiting / regurgitations clinical approach to the patient with nasal discharge / sneezing clinical approach to the patient with electrolytes anomalies clinical approach to the patient with jaundice clinical approach to the patient with coagulation anomalies clinical approach to the patient with lymphadenopathy clinical approach to alopecia the clinical approach to the patient with obesity *It's possible that not all lectures will be given, depending on holidays that affect the number of lectures per semester

<u>Required Reading:</u> Medical courses in 3rd year

Additional Reading Material:

Veterinary internal medicine, 9th ed., Ettinger & Feldman, sections 1,2 -basics and clinical veterinary medicine

<u>Grading Scheme:</u> Written / Oral / Practical Exam 100 % Additional information:

The exam includes multiple choice and open questions.

The exam will be held on campus, but an on line test may be performed according to University instructions