Name of the course: Medical physiology

Academic year: second year -first term (2013 - 2014)

Course code: PSL 205 - PSL 206

Contact hours (credit hours): 5 lectures / week ............... 1 practical / week

Course aims:

a. To enable students to understand the function of different body systems and organs.
b. To enable students to understand the function of hormones and the effect of their increase and decrease in secretion.
c. To enable students to understand the function of the kidney, digestive system and metabolism.
d. To enable students to integrate and coordinate regulatory mechanisms of body in health and disease state.

ILOS:

a1. Recognize mechanism of action of hormones (ILO-a3)
a2. Draw the feedback mechanism between hormones and their releasing factors. (ILO-a3)
a3. Explain functions of different endocrine hormones and regulation of their secretion. (ILO-a2)
a4. Describe calcium homeostasis (ILO-a3)
a5. List results of hyper and hypo secretion of hormones. (ILO-a4)
a6. Discuss the physiology of reproduction (ILO-a2)
a7. Describe structure and functions of different parts of digestive system. (ILO-a2)
a8. Describe structure and list functions of renal system (ILO-a2-a3)
a9. Describe metabolic processes in the body (ILO-a2-a3)
b1. Interpret and explain disturbed body functions in different diseases.
b2. Think and expect the outcome of disturbed mechanisms of functions.
b3. Analyze the given information.
b4. Solve problem through case study.
c1. Diagnose disturbances of different endocrine glands (clinically and laboratory).
c2. Diagnose non ovulatory cycles.
c3. Interpret semen analysis.
c4. Interpret kidney function tests.
c5. Measure the metabolic rate and respiratory quotient.
d1. integrate information by all means including electronically (ILO-d1)
d2. organize information clearly in written, electronic and oral forums (ILO-d2)
d3. be involved in groups to introduce project (ILO-d1)

Student assessment:

a. Methods:
   i. Class activity
   ii. Practical exam
   iii. Oral exam
   iv. Quiz and final exam

b. Assessment schedule:
   v. Quiz 1 week 4
   vi. Midterm week 7
   vii. Quiz 2 week 10
   viii. Final written exam week 16
   ix. Final practical exam week 14

c. Weight of assessment:
   x. Class activity 12%
   xi. Midterm 20%
   xii. Practical exam 16%
   xiii. Final written exam 40%
   xiv. Oral exam 12%
   xv. Total 100%