course contract

Name of the course : Medical physiology

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

Course code : PSL 107 - PSL 108

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

Course aims :

i. To enable students to understand the functions of different body systems and organs.
ii. To enable students to understand the functions of heart and lungs .
iii. Describe alteration in structure and functions of major body systems in the abnormal conditions .

ILOS :

a1. Describe normal structure and function of cardiovascular and respiratory system and how they interrelate .(ILO-a2)
a2. Describe heart and lungs perform their functions (ILO-a3)
a3. Describe properties of cardiac muscle (ILO-a3)
a4. Define cardiac output and explain its regulation (ILO-a3
a5. Explain dynamics of blood (ILO-a2 - a3)
a6. Analyze the mechanics of ventilation (ILO-a2)
a7. Explain gas exchange across the pulmonary membrane (ILO- a2 -a4)
a8. Define hypoxia and cyanosis - recognize their types and causes . (ILO-a2 - a4)
b1. Interpret and explain disturbed body functions in different diseases . (ILO-b1)
b2. Think and expect the outcome of disturbed mechanisms of functions . (ILO-b1)
b3. Analyze the given information .(ILO-b2)
b4. Solve problem through case study . (ILO-b2)
c1. Measure the vital capacity , forced vital capacity (ILO-b11)

c2. Feel the radial pulse (ILO-b11)
c3. Measure arterial blood pressure (ILO-b11)
c4. Use the ECG electrodes and draw normal ECG by electrocardiogram (ILO-b11)
c5. Hear the first and second heart sounds (ILO-b11)
c6. Identify the pulmonary and aortic area on the chest wall (ILO-b11)
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 :**
   iv. Class activity
   v. Practical exam
   vi. Oral exam
   vii. Quiz and final exam
b. **Assessment schedule :**

viii.	Quiz 1	week 4
ix.	Midterm	week 7
x.	Quiz 2	week 10
xi.	Final written exam	week 16
xii.	Final practical exam	week 14

c. **Weight of assessment :**

xiii.	Class activity	12%
xiv.	Midterm	20%
xv.	Practical exam	16%
xvi.	Final written exam	40%
xvii.	Oral exam	12%
xviii.	Total	100%