course contract

Name of the course : Medical physiology

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

Course code : PSL 105 - PSL 106

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 blood .
iii. To enable students to understand the functions of the autonomic nervous system , nerve , muscle .

ILOS :

a1. Define osmosis and osmotic pressure .(ILO- a3)
a2. Recognize volumes of water in different body compartments .(ILO-a3)
a3. Define erythropoiesis (ILO-a4)
a4. explain anemia and its types (ILO-a4)
a5. Explain platelet functions and hemostasis . (ILO-a2)
a6. Know blood groups and complications of blood transfusion. (ILO-a2)
a7. List functions of autonomic nervous system (ILO-a2)
a8. Describe action potential and its ionic bases (ILO-a3)
a9. Explain molecular mechanism of muscle contraction (ILO-a2)
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 hemoglobin concentration (ILO-b11)
c2. Determine packed cell volume (ILO-b11)

c3. Determine erythrocyte sedimentation rate (ILO-b11)
c4. Test bleeding and clotting time (ILO-b11)
c5. Discriminate blood groups (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%