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%