**بعض الكتب والمراجع**

Essentials of Pathophysiology: Concepts of Altered Health States By Carol Mattson Porth

Pthophysiology :the biologic basis for disease in adult and children by Kathryn L McCance; Sue E Huether feifth edetio

Handbook of Pathophysiology second edition

**CLS 421:   Lectures Outline**

**assessment method total marks in practical part divided توزيع الدرجات**

23% first midterm exam

23% for  second midterm

4% for home work: the student should be prepared powerpoint presentation for one  of the subjects as home work

50% for final exam

توزيع المحاضرات :

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| weeks | Labe lecture  |
| Week 1 | Cell injuries &adaptation  |
| Week2 | Path physiology of neoplasm |
| Week 3 | Pathophysiology of blood and anemia |
| Week 4 | Pathophysiology of immune system and inflammation +& mid1 exam |
| Week 5 | Pathophysiology of cardiovascular system |
| Week 6 | Patho physiology of respiratory system |
| Week 7 | Pathophysiology of renal system |
| Week 8 | Pathophysiology of digestive system+ Mid 2 exam |
| Week 9 | Pathophysiology of endocrine system |
| Week 10 | Pathophysiology of metabolism and obesity  |