

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Pathology
Course number	AMSL3314
Faculty	
Department	
Course type	Major Needs
Course level	3
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - The course focuses on the physiological changes that occur due to internal and external stresses. It introduces the student to the pathological alterations that produce diseases and alterations that occur as a result of the disease processes. It also focuses on the body's ability to compensate for those changes and cope with both physiological and environmental stresses.

Intended Learning Outcomes

Knowledge and Understanding	* A1. Utilize previous knowledge of basic sciences as they apply to the disease process (e.g. Anatomy and Physiology). A2. Explain the etiology and pathogenesis of various diseases affecting body systems. A3. Define relevant pathophysiologic terms.
Intellectual Skills	* B1. Identify the effects of internal and external stresses on individuals. B2. Recognize the influence of various physiological, environmental, and psychological stresses on physiological alterations. * . Identify major alterations in normal body functions and their effect on individual's health.

Course Contents

- 1 - (Part 1) Key principles of pathophysiology, cell injury, adaptation & death, Inflammation, tissue repair, regeneration & cancer.
- 2 - (Part 2) Shock: Cardiogenic, anaphylactic, hypovolemic & septicemia.
- 3 - (Part 3) Immunity: Human immunodeficiency virus, non-hodgkin lymphoma & infectious mononucleosis.
- 4 - (Part 4) The Nervous system: meningitis, cerebrovascular accident
- 5 - (Part 5) The Blood: Anemia. Deep vein thrombosis, leukemia & thrombocytopenia.
- 6 - (Part 6) The Cardiovascular system: heart failure, myocardial infarction, peripheral vascular disease & angina pectoris.
- 7 - (Part 7) The Respiratory system: asthma, chronic bronchitis, pulmonary embolism, chronic obstructive pulmonary disease.
- 8 - (Part 8) The Gastrointestinal system: peritonitis, Crohn's disease, peptic ulcer & ulcerative colitis.
- 9 - (Part 9) The Hepato-biliary system: hepatitis & liver cancer.
- 10 - (Part 10) The Urinary system: renal failure, pyelonephritis, renal calculi & bladder cancer.
- 11 - (Part 11&12) The Male and the Female reproductive system: Benign prostatic hyperplasia, prostate cancer breast cancer & cervical cancer.
- 12 - (Part 13) The Endocrine system: diabetes mellitus, adrenal insufficiency, chushing's syndrome & hypothyroidism.

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
I st Written Exam	4th week	25
2 nd Written Exam	8th week	20
Attendance & Participations		5
Final Written Exams	end of semester	50

Books and References

Essential books	Nair, M. and Peate, I. (2015). Pathophysiology for Nurses at a Glance. (1 st Ed.). By John Wiley & Sons, Ltd, Oxford.
Recommended books	Huether, S. and McCance, K. (2013). Understanding pathophysiology. (5th Ed.). St. Louis, Mosby.