

KING SAUD UNIVERSITY
COLLEGE OF MEDICINE
DEPARTMENT OF PHYSIOLOGY

PHARMACY COURSE CURRICULUM
PHYSIOLOGY II-PCOL 283



TEXT BOOK
HUMAN PHYSIOLOGY MECHANISM OF DISEASE

CHAIRMAN: Dr. AbdulMajeed Al Drees
ORGANIZER: DR. EMAN EL ETER

PCOL-283/ PHYSIOLOGY-II

	Lectures (hours)	
Introduction/GIT	6	
Endocrine/Reproduction	6	
Renal /Acid base	6	
CNS	6	

Lectures Day: Saturday 10.00 -12.00

Evaluation:

1. Two written continuous assessment exams, 20 marks each = 20X2= 40 marks
 2. Quizzes (3) + assignments 20 marks
 3. Final written Exam 40 marks
- Total = 100 marks

CAT-I : Week 7 : Saturday 21. 3.1429 (29.3.2008) GIT/Endocrine.

CAT-II Week 11: Saturday 27.4.1429 (3.5..2008) Reproduction/Renal

Textbook: Gyuton Mechanism of Diseases

1. Gastrointestinal Physiology:

Week 1 9.2.1429 (16.2.2008)	Introduction/Methods of evaluation. Nervous & hormonal control of GIT	
Week 2 16.2.1429 (23.2.2008)	Swallowing & vomiting Intestinal secretion & absorption.	
Week 3 23.2.1429 (1.3.2008)	<u>Quiz-1</u> Physiology of liver & Pancreas	

2. Endocrine physiology & Reproduction:

Week 4 30.2.1429 (8.3.2008)	-Introduction: Definition of hormones - Pituitary gland: Functions, control of different hormones. - Growth hormone. - Thyroid	
Week 5 7.3.1429 (15.3.2008)	Pancreatic hormones: functions/control. Glucocorticoids: Functions/control	
Week 6 14.3.1429 (22.3.2008)	Spermatogenesis/Testosterone Ovarian Cycle/Female hormones. Reproduction:	
Week 7 21.3.1429 (29.3.2008)	CAT-1 GIT/ENDO	

3. Renal Physiology/Acid base balance:

Week 8 28.3.1429 (5.4..2008)	Functional Anatomy of the kidney. Glomerular functions and clearance.	
Week 9 13.4.1429 (19.4..2008)	<u>Quiz 2 (Reprod/Renal)</u> Tubular Functions, Concentrating mechanisms of the kidney.	
Week 10 20.4.1429 (26.4..2008)	Acid base balance systems Acid base disturbances	

4. Central Nervous System:

Week 11 27.4.1429 (3.5..2008)	<u>CAT-II</u> <u>Reprod+ Renal</u> <u>+Acid/base</u>	
Week 12 5.5.1429 (10.5..2008)	Functional anatomy of CNS Synaptic transmission & neurotransmitters	
Week 13 12.5.1429 (17.5..2008)	Somatic sensations & receptors	
Week 14 19.5.1429 (24.5..2008)	<u>Quiz-3 (CNS)</u> Control of motor functions. Hypothalamus & Regulation of body Temperature. Physiology of limbic system	
Week-15 26.5.1429 (31.5..2008)	REVISION	