

## Planning and Quality Assurance Affairs

Form (A)

### Course Specifications

#### General Information

Course name	Endocrinology and Metabolic Disorders
Course number	MDCN5217
Faculty	
Department	
Course type	Major Needs
Course level	5
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

#### Course Objectives

1 - The regulation of hormone synthesis and secretion
2 - common endocrine disorders and how to diagnose it
3 - management of overproduction or reduction of different hormones
4 - Take a full history from patients and make a differential diagnosis
5 - perform complete physical examination to patients

#### Intended Learning Outcomes

Knowledge and Understanding	* Understand the regulation and physiological effect of different hormones
	* Discuss the major disorders associated with selected endocrine gland
	* Describe different methods for diagnosis of endocrine-related disorders
Intellectual Skills	* Explain the symptoms for the disorders associated with hormonal imbalance
Professional Skills	* Interpret hormone test results to diagnose the cause of medical condition
General Skill	* Ability to analyze and solve problems related to hormone tests

#### Course Contents

1 - Introduction to Endocrinology
2 - Hormones & Hormone Action
3 - medical disorders of Hypothalamus & Pituitary Gland
4 - medical disorders of thyroid and parathyroid
5 - medical disorders of growth
6 - medical disorders of adrenal gland
7 - medical disorders of male and female reproductive system
8 - medical disorders of metabolic bone disease

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## Teaching and Learning Methods

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| 1 - interactive lectures<br>2 - videos and simulation labs<br>3 - Bed-side teaching<br>4 - case scenario simulation of common clinical cases |
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## Teaching and Learning Methods for the Disabled Students

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| 1 - Lectures<br>2 - Help each student according to his needs and his condition |
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## Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
multiple choice exam	120	60
case history and long case	50	15
presentations	20	10
quizzes	20	15

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## Books and References

Course note	doctors lectures notes
Essential books	Greenspan's Basic & Clinical Endocrinology  Williams Textbook of Endocrinology (12th edition, 2011) by Shlomo Melmed, Kenneth S. Polonsky, P. Reed Larsen & Henry M. Kronenberg, Elsevier
Recommended books	CURRENT Diagnosis & Treatment in endocrinology