

Course Specification Student Version

Course Title:	Integrated multi-system
Course Code:	IMS 408
Department:	Basic Medical Sciences
Program:	Bachelor of Medicine and Surgery
College:	Vision College in Riyadh
Institution:	Vision College in Riyadh
Revised:	July 2025

A. Course Identification

1. Credit hours: 4 (2+0+2)
2. Level/year at which this course is offered: Level 8/Year 4
3. Pre-requisites for this course (if any): RES 305, HPS 305, CVS 305, MSS 306, ENS 306, GIS 306, UGS 407, FMT 407, NSC 407
4. Co-requisites for this course (if any): None

B. Teaching Methods

1	Interactive lectures
2	Case based tutorials
3	Case Based Seminars
4	Simulation Sessions

C. Course Description and Objectives

1. Course Description

The aim of this course is to prepare the learners for the clinical clerkship phase. It is intended to consolidate the knowledge and skills gained in previous individual organ system courses in an integrated and holistic approach to the human body. The organ system courses are designed to facilitate integrated multi-system approach in health and disease by integrating basic medical sciences with relevant pathological, pharmacological, and clinical aspects.

2. Course Main Objective

The main purpose of this course is to provide a current and close correlation between basic principles of human disease and clinical practice. It is important for students to thoroughly understand the underlying pathophysiologic processes that are present in the patients they will serve. Additionally, understanding basic pathophysiologic mechanisms of human disease ultimately promotes better decision-making efforts by healthcare providers and a better quality of life for their patients.

3. Course Objectives

By the end of this course, students should be able to:

- Explain the pathogenesis (etiology & pathophysiology) of the common diseases.
- Describe the basic aspects of common clinical presentation.
- Explain the facts relevant to the management of common clinical conditions.
- Formulate a differential diagnosis and reach diagnosis using reasoning skills for common clinical conditions
- Manage appropriately patients with acute and chronic clinical problems.
- Recognize and stress the rationale and importance of teamwork.

D. Course Content

No.	List of Topics
1	Introduction to the course (3 Hours)
2	Headache (6 Hours)
3	Neck swellings & Lymphadenopathy (6 Hours)
4	Cough & Bronchial Asthma (6 Hours)
5	Chest pain & Hypertension, myocardial infarction & Heart Failure (6 Hours)
6	Abdominal pain (6 Hours)
7	Abdominal distension (6 Hours)
8	Disturbance of motor & sensory functions (6 Hours)
9	Disturbance of consciousness (6 Hours)
10	Joint pain (6 Hours)
11	Backache (6 Hours)
12	Diabetes Mellitus & Loss of weight (6 Hours)
13	Diabetic neuropathy & Ischemia (6 Hours)
14	Simulation sessions (6 Hours)

E. Assessment Tools

#	Assessment task	Percentage of Total Assessment Score
1	Seminar evaluation using a rubric	10%
2	Quizzes	10%
3	Midterm Exam	20%
4	Final Written Exam	40%
5	OSCE	20%
	Total	100%

F. Learning Resources

Essential References	Ralston S., Penman I., Strachan M., & Hobson R: Davidson's Principles and Practice of Medicine, latest edition., Elsevier
Supportive References	Kumar and Clark Clinical Medicine, latest ED., Elsevier. Feather A., Randall D., Waterhouse M. Paperback ISBN: 9780702078682 eBook ISBN: 9780702078705
Electronic Materials	<ol style="list-style-type: none"> 1. LMS resources 2. https://www.Amboss.com 3. https://www.UpToDate.com 4. https://www.PubMed.com 5. https://www.webmd.com 6. https://www.emedicine.com 7. https://jamanetwork.com/journals/jamainternalmedicine
Other Learning Materials	None

