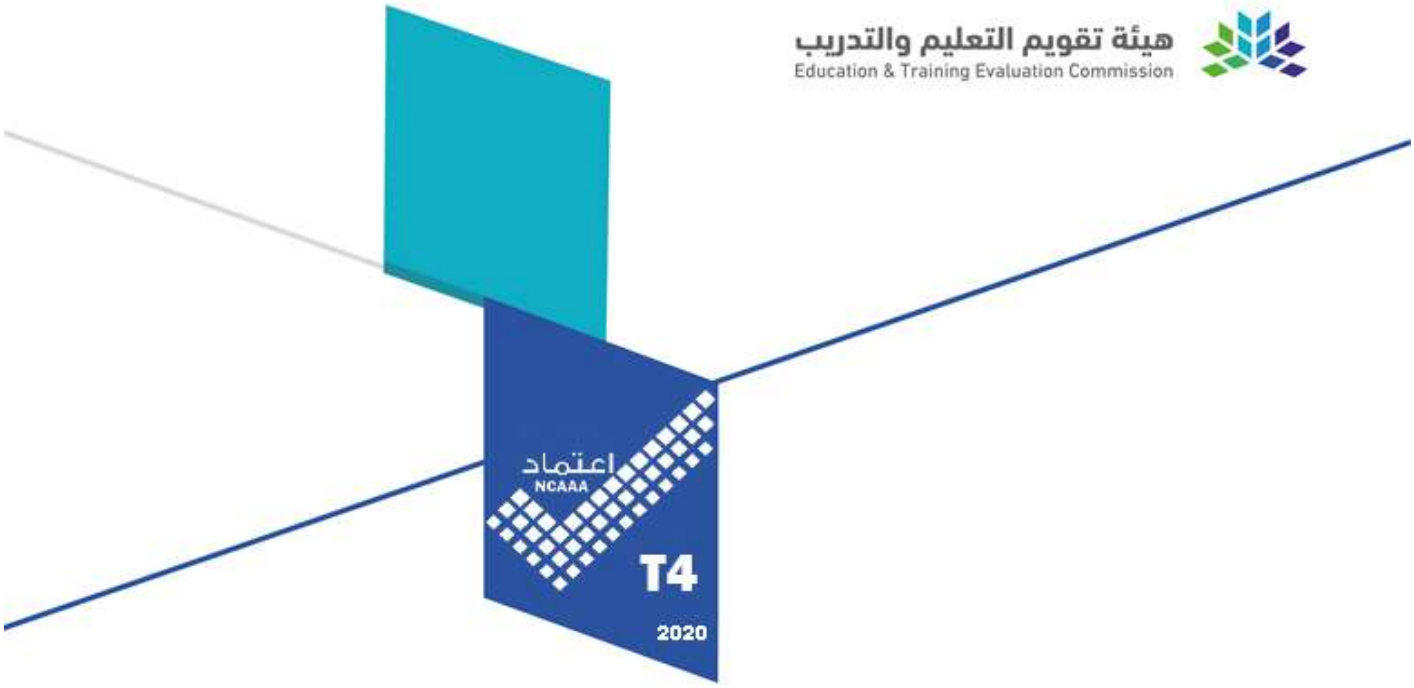
هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission



Course Specifications

Course Title:	Gastrointestinal Block
Course Code:	GIT353
Program:	Bachelor of Medicine, Bachelor of Surgery (MBBS)
Department:	NA
College:	College of Medicine
Institution:	Alfaisal University

Table of Contents

A. Course Identification

1. Credit hours: 3 (2+2+0)
2. Course type **a.** University ☐ College ■ Department ☐ Others ☐ **b.** Required ■ Elective ☐
3. Level/year at which this course is offered: Sem 6, Year 3
4. Pre-requisites for this course (if any)**:** Sem 3 and 4
5. Co-requisites for this course (if any)**:** None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	**Traditional classroom**	70	69%
2	**PBL, CPC, Labs**	32	31%

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	**Lecture**	70
2	**Laboratory/Studio**	
3	**Tutorial**	32
4	**Others** (specify)	
	Total	102

B. Course Objectives and Learning Outcomes

1. Course Description

This course deals with the abnormal structure and function of common gastrointestinal (GI) diseases, with a particular focus on Pathology, Microbiology, Immunology, and Pharmacology focused in a clinical setting. It builds on the foundations of normal structure and function and serves as an introduction to clinical aspects of GI diseases, in terms of common presentation, signs, symptoms, clinical investigation, and therapeutic modalities. This course will also introduce the medical students to the principles of history taking and abdominal physical examination through bedside clinical sessions.

2. Course Main Objective

To build on the foundations of normal structure and function and serve as an introduction to clinical aspects of GI diseases, in terms of common presentation, signs, symptoms, clinical investigation, and therapeutic modalities.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	**Knowledge and Understanding**	
1.1	Relate the normal structure and function of the GIT system with pathophysiology of common diseases.	PLO1,2
1.2	Relate the epidemiological, environmental and genetic factors and biochemical processes of the cell with pathophysiology of common diseases of the GIT system.	PLO2,9,30
1.3	Discuss the mechanism of action, important adverse effects and pharmacological basis of drugs used in the management of common GIT conditions.	PLO6,9
1.4	Interpret radiological and laboratory data in the context of mechanism of diseases.	PLO5
1.5	Describe the clinical features, diagnostic criteria and management of GIT disorders.	PLO7,9,12,16 ,17,18,23,30
2	**Skills :**	
2.1	Perform bacterial identification, characterization and antibiotic susceptibility testing from positive blood cultures.	PLO4
3	**Values:**	
3.1	Adhere to the attendance policy.	
3.2	Maintain professional conduct with colleagues, faculty, and staff.	

C. Course Content

No	List of Topics – including PBL, CPC, Lab	Contact Hours
1	Swallowing as basis for dysphagia/achalasia	2
2	Esophagitis	2
3	Tumors of esophagus	2
4	Antiemetic drugs	2
5	GI Mucosal immunity	2
6	Approach to dysphagia	2
7	Management of GERD	2
8	Gastritis	2
9	Gastric tumors	2
10	*Helicobacter pylori* and peptic ulcers.	2
11	Drugs used in the treatment of acid peptic disease.	2
12	Radiological imaging in GIT.	2
13	Basic concepts in management of peptic ulcer disease.	2
14	Basic concepts in management of upper GI bleeding.	2
15	Intestinal Electrolyte & water as basis for Diarrhea	2
16	Inflammatory bowel diseases (IBD)	2
17	Infectious diarrheal agents	2
18	GI parasitic infections	2
19	Antibiotic associated diarrhea	2
20	Laxatives and anti-diarrheal drugs	2
21	Approach to acute diarrhea and malabsorption	4
22	Approach to chronic diarrhea and malabsorption	4
23	Basic concepts in management of IBD	2

24	Right lower quadrant pain - appendicitis	2
25	Hernias	2
26	Approach to gastric and small bowel tumors	4
27	Tumors of the intestines	2
28	Approach to abdominal pain	2
29	Bowel obstruction and ischemia	2
30	Approach to lower GI bleeding	2
31	Diverticulosis, bowel obstruction, volvulus and ischemia	2
32	Imaging of GIT abnormalities	2
33	Hepatic functions review	2
34	Pattern of hepatic injury and viral hepatitis and non-viral hepatitis	2
35	Cirrhosis and complications of portal hypertension	2
36	Microbiology of hepatotroph viruses	2
37	Viral hepatitis	4
38	Non-viral hepatitis	2
39	Approach to metabolic and cholestatic liver disease	2
40	Approach to liver masses	2
41	Drugs used in hepatitis B & C	2
42	Pancreatitis and its complications	2
43	Hepato-biliary disorders pathology	2
44	Tumors of liver, pancreas and biliary tracts	2
45	Imaging for common liver and pancreatic diseases	2
46	Basic principles in the management of pancreatitis and its complications	2
47	Management of biliary tract disorders	2
Total		102

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	**Knowledge and Understanding**		
1.1	Relate the normal structure and function of the GIT system with pathophysiology of common diseases.	Lectures, PBLs, CPCs	Continuous, formative and summative assessment
1.2	Relate the epidemiological, environmental and genetic factors and biochemical processes of the cell with pathophysiology of common diseases of the GIT system.	Lectures, PBLs	Continuous and summative assessment
1.3	Discuss the mechanism of action, important adverse effects and pharmacological basis of drugs used in the management of common GIT conditions.	Lectures, PBLs	Continuous and summative assessment
1.4	Interpret radiological and laboratory data in the context of mechanism of diseases.	Lectures, PBLs	Continuous and summative assessment

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.5	Describe the clinical features, diagnostic criteria and management of GIT disorders.	Lectures, PBLs	Continuous and summative assessment
2.0	**Skills**		
2.1	Perform bacterial identification, characterization and antibiotic susceptibility testing from positive blood cultures.	Labs	Summative assessment
3.0	**Values**		
3.1	Adhere to the attendance policy.		Continuous assessment
3.2	Maintain professional conduct with colleagues, faculty, and staff.		Continuous assessment

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	PBL	Weekly	5%
2	Final Exam	7	95%

***Assessment task** (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

The CoM program established its own mentorship program that employs all full-time faculty as mentors. Through this program, every medical student in the program is assigned a mentor at the beginning of their first semester of studies. The program has a broad scope covering academic advising and counseling. The mentors handle all aspects related to academic advising, including academic planning, academic performance review, advice on course drop or withdrawal, study skills, and time management.

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	• Robbins and Cotran pathologic Basis of disease 8th Edition. Kumar, Abbas, Fausto, Aster • Davidson's Principals and Practice of Medicine, 21st Edition • Clinical Medicine by Kumar and Clark (Saunders Elsevier, 8th edition) • Radiology: Diagnostic Imagine: Peter Armstrong, Wiley-Blackwell, 6th edition (May11, 2009) • MIMS Medical Microbiology 4th Ed. By Richard Goering et. al. (ISBN 13: 9780323044752) • Microbiology: Mim's Medical Microbiology 4th edition, edited by Goering RV, Dockrell HM, Zuckerman M, Wakelin D, Roitt IM, Mims C, Chiodini PL. Mosby 2008

	• Basic & Clinical Pharmacology, Bertram Katzung (Author), Susan Masters (Author), Anthony Trevor • Pharmacology, R. A. Harvey and P. C. Champe, Lippincott's Illustrated, 4th Edition
Essential References Materials	• www.cdc.gov • Bates' Guide to Physical Examination & History Taking Lynn S. Bickley, Robert A. Hoekelman, Barbara Bates, 10th Edition
Electronic Materials	PowerPoint presentations uploaded on Alfaisal E-learning Portal Integrated medical curriculum: http://imc.meded.com
Other Learning Materials	The Alfaisal Library provides a wide array of electronic databases of reference books and journals through multiple databases include ScienceDirect (TM).

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms, Laboratories
Technology Resources (AV, data show, Smart Board, software, etc.)	AV (Audio-Visual), Smartboard, Moodle (E-learning Management)
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Course and Faculty Evaluation Survey	Students	Survey

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)
Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	
Reference No.	
Date	