



Course Syllabus - MBBCh

1. Course Title: Gastrointestinal module		Course Code: GIT21	
2. Credit/contact hours:		Contact hours: Total = 220 Theory=168 Practical =52	
3. Number of weeks		9 Weeks	
4. Level/year at which this course is offered:		MBBCh Phase-1 Year-2 S1	
5. Pre-requisites for this course (if any): MBBS – YEAR -1, Second year General and Molecular Module			
6. Co-requisites for this course (if any):			

Course Description

The Module is designed to offer an integrated approach to the learning of the normal Structure, Function, and Development of the Alimentary system and its accessory organs, using different strategies, and, applying the knowledge and skills acquired, in understanding the pathophysiology of various disorders of these systems. The basic principles of management of these disorders with a focus on disease prevention will be described. PBL week will address causes, epidemiology, pathogenesis, and principles of management of the liver disease. The introduction of clinical skill sessions aims to provide the student with basic clinical and communication skills in preparation for clinical clerkship and to vertically integrate learning.

Course Learning Outcomes

CLOs		Aligned-PLOs
1.	Knowledge	
K1	Describe the normal structure and functions of the Gastrointestinal system and its accessory glands.	A1
K2	Describe how the alterations in the structure and function of the alimentary system contribute to the clinical manifestations frequently seen in gastrointestinal disorders.	A2
K3	Explain common procedures used in diagnosing and managing gastrointestinal system diseases.	A3
2.	Skills	

CLOs		Aligned-PLOs
S1	Interpret results of laboratory and radiological investigations commonly performed in diagnosing and managing patients with gastrointestinal system diseases.	B2, B3
S2	Explain the principles of management of common gastrointestinal disorders.	B2
3.	Attitude	
A1	Demonstrate awareness of the importance of the psychosocial aspects related to the etiology and the management of gastrointestinal diseases.	C3
A2	Demonstrate awareness of the impact of common gastrointestinal disorders on the quality of life of the individual and community.	C3

Course Delivery Plan

No	List of Topics	Contact Hours
1	Abdominal Hernia	19
2	Swallowing Disorders and Peptic Ulcer	47
3	Liver and Biliary tract diseases	23
4	Enteric diseases	41
5	Bowel diseases	34
Total		

Teaching and Assessment

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

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
K1	Describe the normal structure and functions of the Alimentary system and its accessory glands.	Didactic lecture, Scenario-based interactive lecture, SGD, Practical, PBL and TBL	MCQ, EMQ, OSPE
K2	Describe how the alterations in the structure and function of the alimentary system contribute to the clinical manifestations frequently seen in gastrointestinal disorders.	Didactic lecture, Scenario-based interactive lecture, SGD, Practical, PBL and TBL	MCQ, EMQ, OSPE , OSCE
K3	Explain some regular procedures used in diagnosing and managing alimentary system diseases.	Didactic lecture, Scenario-based interactive lecture, SGD, Practical,	MCQ, EMQ, OSPE , OSCE

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
		Clinical Skills, PBL and TBL	
S1	Interpret results of laboratory and radiological investigations commonly performed in diagnosing and managing patients with the alimentary system diseases.	Didactic lecture, Scenario-based interactive lecture, SGD, Practical, Clinical Skills, PBL and TBL	MCQ, EMQ, OSPE , OSCE
S.2	Explain the principles of management of common gastrointestinal disorders.	Didactic lecture, Scenario-based interactive lecture, SGD, Practical, Clinical Skills, PBL and TBL	MCQ, EMQ, OSPE , OSCE
A1	Demonstrate awareness of the importance of the psychosocial aspects related to the etiology and the management of alimentary diseases	SGD, Practical, Clinical Skills, PBL and TBL	OSPE , OSCE
A2	Demonstrate awareness of the impact of common gastrointestinal disorders on the quality of life of the individual and community.	SGD, Practical, Clinical Skills, PBL and TBL	OSPE , OSCE

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score	Date
1	Module Comprehensive MCQ	AY W 16, Module W 9	15%	5 Dec 2022
2	Continuous class work assessment	1-9	15%	
3	End of the module assessment, MCQ, OSPE, and OSCE	AY W 17-18	70%	Jan 2023

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

Learning Resources and Facilities

1. Learning Resources

Required Textbooks	<ul style="list-style-type: none">• Agur, A. M., & Dalley, A. F. (2009). Grant's atlas of anatomy. Lippincott Williams & Wilkins. Pathology: Kumar, V., Abbas, A. K., &• Anthony, L. M. (2013). Junqueira's basic histology: text and atlas.• Erosch Physiology: Hall, J. E., & Hall, M. E. (2020, June 16). Guyton and Hall Textbook of Medical Physiology.• Kumar, V., Abbas, A. K., & Aster, J. C. (2017). Robbins Basic Pathology (10th ed.). Elsevier - Health Sciences Division.• Walter, J. B., & IC, T. (1996). Walter & Israel General Pathology 1996. Chp, 52, 831.• Al-Kobaisi, M. F. (2007). Jawetz, Melnick & Adelberg's Medical Microbiology 24th Edition. Sultan Qaboos University Medical Journal [SQUMJ], 7(3), 273-275.• Cornelissen, C. N., Harvey, R. A., & Fisher, B. D. (2012). Microbiology (Vol. 3). Lippincott Williams & Wilkins.• Chatterjee, M. N., & Shinde, R. (2002). Textbook of Biochemistry, Jaypee brothers.• Garcia, L. S. (2006). Diagnostic medical parasitology. American Society for Microbiology Press.• John, D. T., & Petri, W. A. (2013). Markell and Voge's medical parasitology-e-book. Elsevier Health Sciences.• Paniker, C. J. (2007). Textbook of medical parasitology (No. Ed. 6). Jaypee Brothers Medical Publishers (P) Ltd.• Neva, F. A., & Brown, H. W. (1994). Basic clinical parasitology (No. Ed. 6). Appleton & Lange.• Gunn, A., & Pitt, S. J. (2022). Parasitology: an integrated approach. John Wiley & Sons.• Zeibig, E. (2014). Clinical parasitology: A practical approach. Elsevier Health Sciences.• Schmidt, G. D., & Roberts, L. S. (1977). Foundations of parasitology. CV Mosby Company, 11830 Westline Industrial Drive, St. Louis, Missouri 63141, USA (distributed in UK by Henry Kimpton Publishers, 7 Leighton Place, Leighton Road, London NW52QL)..• Goyal, R. C. (2010). Research methodology for health professionals. JAYPEE BROTHERS PUBLISHERS.• Battin, M. P., Francis, L. P., Jacobson, J. A., & Smith, C. B. (2008). The patient as victim and vector: ethics and infectious disease. Oxford University Press.• Katzung, B. G., & Trevor, A. J. (Eds.). (2012). Basic & clinical pharmacology.• Whalen, K. (2018). Lippincott® Illustrated Reviews: Pharmacology. Wolters kluwer india Pvt Ltd.
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	<ul style="list-style-type: none"> • Trevor, A. J., Katzung, B. G., Masters, S. B., & Kruidering-Hall, M. (2010). Pharmacology examination & board review (pp. 121-132). New York: McGraw-Hill Medical. • KIM, M. K., MOORE, J. H., KIM, J. K., CHO, K. H., CHO, Y. W., KIM, Y. S., ... & SHIN, M. H. (2011). Goodman & Gilman's The Pharmacological Basis of Therapeutics Goodman & Gilman's The Pharmacological Basis of Therapeutics, 521-547, 2001. Journal of human genetics, 56(1), 71-76. • Breslow, L. Encyclopedia of Public Health (AG). • Community Medicine: Control of Communicable Diseases Manual. (2022, February 28). In D. L. Heymann (Ed.), An Official Report of the American Public Health Association. APHA Press.
Essential References Materials	<ul style="list-style-type: none"> • Material prepared by instructors, PowerPoint, Lecture note, videos, narrated lectures
Electronic Materials	<ul style="list-style-type: none"> • www.cdc.gov • www.who.int • Demonstration videos • Interactive Physiology (IP10) • https://accesspharmacy.mhmedical.com/ • AMBOSS • Access Medicine • UptoDate
Other Learning Materials	Educational and Instructional websites

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classroom, Laboratories, PBL rooms, Simulation Lab
Technology Resources (AV, data show, Smart Board, software, etc.)	LMS course content, LMS quizzes, LMS dropbox, LMS discussion, MS Office tools, Internet search engines, Demonstration videos
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Library, Round Hall for TBL sessions

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