



وزارة التعليم العالي والبحث العلمي
جهاز الإشراف والتقويم العلمي



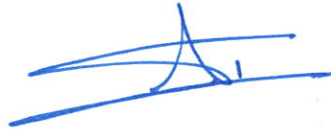
جامعة وارث الانبياء (ع)
كلية الطب

استمارة وصف البرنامج الأكاديمي للمعاهد والكليات 2026-2027

المقرر الدراسي

نموذج وصف البرنامج الأكاديمي

اسم الجامعة:	جامعة وارث الانبياء
الكلية/المعهد:	كلية الطب — جامعة وارث الأنبياء (ع)
القسم العلمي:	كلية الطب
اسم البرنامج الأكاديمي أو المهني:	الوحدة السابعة (الجهاز الهضمي)
اسم الشهادة النهائية:	بكالوريوس في الطب و الجراحة
النظام الدراسي:	سنوي
تاريخ إعداد الوصف:	2026-09-15
تاريخ ملء الملف:	2026-09-15

التوقيع:		التوقيع:	
اسم رئيس القسم:	أ.م.د أديب احمد كاظم الزبيدي	اسم المعاون العلمي:	م.د علي عبد الرضا الغرة
التاريخ:	2026/9/29	التاريخ:	2026 / 9 / 29

دقق الملف من قبل
شعبة ضمان الجودة والأداء الجامعي

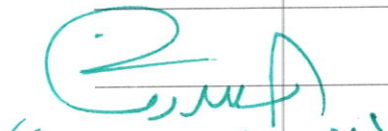
اسم مدير شعبة ضمان الجودة والأداء الجامعي:
م.د أياد علي صاحب الموسوي

2026 / 9 / 29

Agar

التاريخ:

التوقيع:


مصادقة السيد العميد

استاذ الدكتور
عبد العزيز
عبد الوهاب
عبد الوهاب

نموذج وصف المقرر

1. اسم المقرر	
الوحدة السابعة (الجهاز الهضمي)	
2. رمز المقرر	
Med301	
3. الفصل / السنة	
2026-2027	
4. تاريخ إعداد هذا الوصف	
15-09-2026	
5. أشكال الحضور المتاحة	
حضور (نظري + عملي)	
6. عدد الساعات الدراسية (الكلية) / عدد الوحدات (الكلية)	
123 نظري + 36 عملي	
7. اسم مسؤول المقرر الدراسي (إذا أكثر من اسم يُذكر)	
الاسم: أ.م.د. أديب احمد كاظم الزبيدي	الإيميل: adeebalzubaidy@uowa.edu.iq

8. أهداف المقرر
By the end of the unit, the student should be able to: Describe the anatomy of the gastrointestinal tract, including its major organs, blood supply, lymphatic drainage, and innervation. Describe the histological structure of the gastrointestinal tract and relate its microscopic features to its functions. Explain the embryological development of the gastrointestinal tract and recognize common congenital anomalies.

Explain the **physiology of the gastrointestinal tract**, including digestion, absorption, motility, secretion, and regulation.

Describe the **pathology of the esophagus and stomach**, including common inflammatory, ulcerative, obstructive, and neoplastic diseases.

Describe the **pathology of the small intestine**, including malabsorption, celiac disease, intestinal obstruction, inflammatory conditions, infections, and tumors.

Describe the **pathology of the colon, rectum, and anal canal**, including inflammatory bowel disease, diverticular disease, polyps, colorectal cancer, appendicitis, and hemorrhoids.

Describe the **anatomy, histology, physiology, and pathology of the liver**, including cirrhosis, portal hypertension, metabolic diseases, viral hepatitis, and liver tumors.

Describe the **pathology of the gallbladder and pancreas**, including gallstones, cholecystitis, pancreatitis, and pancreatic tumors.

Explain the **common gastrointestinal infections**, including bacterial, viral, and parasitic infections, their transmission, diagnosis, management, and prevention.

Recognize the **common gastrointestinal neoplasms** and describe their major pathological and clinical features.

Explain the **principles of laboratory investigation of gastrointestinal and hepatobiliary diseases**, including liver function tests, pancreatic enzymes, tests for malabsorption, and microbiological investigations.

Describe the **principles of pharmacological treatment of common gastrointestinal diseases**, including GERD, peptic ulcer disease, diarrhea, inflammatory bowel disease, constipation, obesity, viral hepatitis, and pancreatic disorders.

Apply the **principles of medical and surgical management** of common gastrointestinal, hepatobiliary, and pancreatic diseases.

Perform a **basic clinical assessment of patients with gastrointestinal diseases**, including relevant history taking and physical examination.

Interpret common **gastrointestinal imaging studies**, including abdominal X-rays, ultrasound, CT, MRI, and endoscopic findings.

Apply **clinical reasoning and basic laboratory and imaging findings** to diagnose and manage common gastrointestinal disorders.

9. استراتيجيات التعليم والتعلم

الاستراتيجية: كون الطلاب هم طلبة المرحلة الثالثة، يكون محور التعليم لديهم اكتساب كم وافر من العلوم الطبية الأساسية وربط هذه المعلومات بالحالات السريرية بالقدر الذي يمكنهم من الوصول الى معرفة اكبر عدد ممكن من جوانب امراض الجهاز البولي التناسلي المختلفة وخاصة الشائعة منها لغرض تهيئتهم علميا واكاديميا للمراحل الدراسية المتقدمة في كلية الطب، عندها يكون الطلبة مستعدين للتعامل مع العلوم الطبية السريرية بصورة اكبر تدريجيا.

هذه الاستراتيجية المتبعة تفيد الطلبة لكي يتدرجوا في تعليمهم وتعلمهم لكي يدخلوا الحياة المهنية والتي تتعامل بصورة مباشرة مع حياة الانسان.

10. بنية المقرر

1. Anatomy, Histology & Embryology (التشريح والأنسجة والأجنة)

Week	Anatomy Topics	Histology / Embryology Topics	Theory (hr)	Lab (hr)
WK 1	Esophagus (abdominal part) & Stomach Ant. abd wall Surface anatomy of abdomen Peritoneum & abdominal cavity Surgical anatomy of inguinal canal	Histology of Esophagus & Stomach	2+2 (Anat) 2 (Wall) 1 (Surf) 2 (Perit) 2 (Ing)	2 (Anat Surface/Wall/Perit)
WK 2	Anatomy of Small Intestine	Histology of Small Intestine	2 (Anat) 2 (Hist)	2 (Hist Esoph/Stom/SI)
WK 3	Anatomy of Large Intestine - Part 1 & 2 Blood supply of gut Pelvic floor	Histology of Large Intestine	2+2 (Anat LI) 2 (Blood) 1 (Pelvic) 2 (Hist)	2 (1hr Anat LI/Anal + 1hr Hist)
WK 4	Anatomy of Liver & Portal Vein	Histology of Liver	2 (Anat) 2 (Hist)	2 (Anat Liver & Extrabiliary)
WK 5	Extrahepatic Biliary Apparatus	Histology of Gallbladder	2 (Anat) 2 (Hist)	2 (Hist Liver & Gallbladder)
WK 6	Anatomy of Pancreas & Spleen	Histology of Exocrine Pancreas	2 (Anat) 2 (Hist)	-
WK 7	Embryology of GIT Embryological basis of congenital diseases	Embryology Topics	2 (Emb) 2 (Congenital)	-
Total	Anatomy: 24 hrs Embryology: 4 hrs	Histology: 12 hrs	Total Theory: 40 hrs	Total Lab: 10 hrs

2. Physiology (الفسلجة الطبية)

Week	Objectives / Theory Topics	Theory (hr)	Practical Objectives	Lab (hr)
Week 1	GIT Overview: Functions, structure, innervation, enteric plexus. Swallowing: Mastication, esophageal sphincters, phases, motility, receptive relaxation, esophageal manometry. Gastric Secretion: HCl & pepsin mechanism, alkaline tide, 3 phases of gastric function, protective/harmful factors.	3	Physiology of Swallowing & Gastric Secretion	2
Week 2	Digestion & Absorption in Small Intestine: Pathophysiology of Celiac disease, intestinal villi & crypts of Lieberkuhn, enterocytes, motility (segmental & peristaltic), gastrointestinal hormones (GIP, Secretin, CCK, VIP).	3	Small Intestinal Motility & Digestion	2
Week 3	Colon Physiology: Mucosa differences, colonic contractions, smooth muscle function, neurological control of defecation, gastrocolic & gastroileal reflexes.	1	-	-
Week 4	Obesity & Appetite Control: Hunger vs appetite vs satiety, hypothalamic centers, leptin, gut hormones (CCK, ghrelin, PYY).	1	-	-
Week 5	Pathophysiology & Biochemistry of	1	-	-

	Jaundice: Detoxifying action of liver, bile composition, bilirubin metabolism.			
Week 6	Physiology of Exocrine Pancreas: Pancreatic juice (phases, mechanisms, enzymes), neural & hormonal regulation.	1	-	-
Total	6 Weeks Course Content	8 hrs	Practical Physiology	4 hrs

3. Pathology (الأمراض)

Week	Objectives / Theory Topics	Theory (hr)	Practical / Microscopical Features	Lab (hr)
WK 1	Pathology of Esophagus: Hiatus hernia, achalasia, GERD, Barrett's esophagus, esophageal varices, tumors. Pathology of Stomach: Pyloric stenosis, acute/chronic gastritis (Type A & B), hypertrophic gastropathies, peptic ulcer disease, gastric polyps & tumors.	2	Microscopical findings of Barrett's esophagus. Gross & microscopic features of Squamous Cell Carcinoma of esophagus, Gastric Ulcer, and Gastric Carcinoma.	2
WK 2	Meckel's diverticulum, intestinal obstruction, ischemic bowel disease, malabsorption & Celiac disease, diarrhea (causes & pathogens), small intestinal tumors.	1	-	S
WK 3	Hirschsprung disease, IBD (Crohn's vs Ulcerative Colitis), intestinal polyps, diverticular disease, familial cancer syndromes, CRC staging & morphology, acute	1	Microscopical findings of Celiac disease. Gross & microscopic features of intestinal polyps, IBD, and colonic adenocarcinoma.	2

	appendicitis, hemorrhoids & anal canal tumors.			
WK 4	Liver Cirrhosis (causes, pathogenesis, consequences), portal hypertension, alcoholic liver disease, NAFLD/NASH, Hemochromatosis, Wilson's disease, alpha-1 antitrypsin deficiency, Reye's syndrome, liver tumors.	2	-	-
WK 5	Jaundice (classification & bilirubin metabolism), liver function tests interpretation, PBC/PSC, hepatotropic viruses (HAV, HBV, HCV, HDV, HEV), liver failure manifestations.	1	-	-
WK 6	Gallstones etiology & pathogenesis, acute/chronic cholecystitis, cholangiocarcinoma, pancreatic developmental anomalies, acute/chronic pancreatitis, pancreatic pseudocyst & tumors.	2	Microscopical findings of Liver Cirrhosis. Gross & microscopic features of Chronic Cholecystitis & Pancreatic Tumors.	2
Total	Pathology GIT Unit	9 hrs	Practical Pathology	6 hrs

4. Pharmacology (الأدوية)

Week	Topic / Objectives	Theory (hr)
WK 1	Principles of peptic ulcer treatment: PPIs, H2 blockers, Antacids, Cytoprotective agents, Anti-H. pylori drugs, Prokinetic drugs.	2
WK 2	Antiemetics, IV fluids & Oral Rehydration Salts (ORS), GERD, Heartburn management.	2

WK 3	Anti-infectious, antiamebic, and antihelminthic drugs. Pharmacotherapy of IBD (Aminosalicylates, Corticosteroids, Immunosuppressants, TNF antagonists) & IBS (Antispasmodics). Chemotherapy in CRC (Antimetabolites, Platinum compounds, Topoisomerase inhibitors). Laxatives & purgatives.	2
WK 4	Pharmacotherapy of Obesity: Management guidelines, role of pharmacotherapy in weight loss, drug selection, side effect minimization.	1
WK 5	Viral Hepatitis Management: Interferon & antiviral therapy in chronic hepatitis, treatment duration, types of interferons.	1

5. Microbiology, Immunology & Genetics (الأحياء الدقيقة والمناعة ووراثة الأورام)

Week	Subject	Objectives / Topics Covered	Hours
WK 1	Microbiology	Helicobacter pylori: Pathogenicity, transmission, clinical manifestations, antibiotic therapy.	1 hr
WK 2	Immunity	MALT & Mucosal Immunity: Mucosa-associated lymphoid tissue, lymphoid vs non-lymphoid trafficking, M cells role, commensalism vs pathogenicity. Immunological Basis of Celiac Disease: Hyposensitivity vs autoimmunity, molecular mimicry, gliadin & HLA, T/B-cell involvement, antibodies in diagnosis.	1 hr
WK 2	Microbiology & Parasitology	Bacterial & Viral Diarrhea: Major pathogens, secretory & invasive diarrhea, antibiotic-associated diarrhea, lab diagnosis. GI Parasitic Infections: Intestinal protozoa & helminthes, transmission, lab diagnosis,	1 hr (Micro) 1 hr (Parasit) 6 hr Lab

		management & prevention.	
WK 3	Genetics	Genetic Predisposition to Colorectal Ca: Hereditary susceptibility (FAP, Lynch), hereditary vs sporadic CRC, key mutated genes.	1 hr
WK 5	Immunity	Immune Response to Viral Infections: Innate & adaptive immunity to viruses, viral evasion mechanisms, immune complex-mediated tissue damage.	1 hr
WK 5	Microbiology	Viral Hepatitis: Microbiological properties of HAV, HBV, HCV, HDV, HEV; clinical features & management; serological marker interpretation; prevention & control.	1 hr

11. تقييم المقرر

يمكن تقييم المقررات الدراسية بطرق متعددة، منها: الاختبارات الأسبوعية المنتظمة المبنية على الفريق (TBL)، والأنشطة الطلابية القائمة على حل المشكلات (PBL)، بالإضافة إلى التغذية الراجعة الدورية المستلمة من الطلاب لتقييم المادة العلمية المطروحة وأعضاء الهيئة التدريسية المشاركين في العملية التعليمية، وبناءً على ذلك يمكن إجراء تعديلات طفيفة على المقرر.

12. مصادر التعلم والتدريس

Embryology

Medical Embryology, T.W. LANGMAN'S Sadler; 14th Edition

Physiology:

1. Guyton and Hall Textbook of Medical Physiology (Guyton Physiology) 13th

Edition by John E.

2. Ganong's Review of Medical Physiology, 26th by Kim Barrett.

Pathology:

الكتب المقررة المطلوبة (المنهجية أن وجدت)

Robbins & Cotran Pathologic Basis of Disease
10th Edition, Vinay Kumer; Abul K. Abbas; Jon
C. Aster

Biochemistry:

Textbook of Biochemistry for Medical Students

Quick Review of Biochemistry for Undergraduates: Questions and Answers

Clinical Biochemistry and Metabolic Medicine

Clinical biochemistry and metabolic medicine by Martin Crook 8 e

Clinical biochemistry lecture notes 10 e

Microbiology:

JOHN ,Essential clinical Immunology
B.Zabriskie

Kuby-Immunology-7th edition

Abbas AK and Lichtman Basic Immunology

world Journal of gastrointestinal pathophysiology

Review of medical microbiology and Immunology

Murray PR, Rosenthal KS, Pfaller MA.
Medical Microbiology. 10th ed. Elsevier;
.2025

Riedel S, Morse SA, Mietzner TA, Miller S.
Jawetz, Melnick & Adelberg's Medical
.Microbiology. 29th ed. McGraw Hill; 2026

Tille PM. Bailey & Scott's Diagnostic
.Microbiology. 16th ed. Elsevier; 2025

Levinson W, Chin-Hong P, Joyce EA,
Nussbaum J, Schwartz B. Review of Medical
Microbiology and Immunology. 15th ed.
.McGraw Hill

Bennett JE, Dolin R, Blaser MJ, eds.
Mandell, Douglas, and Bennett's Principles
.and Practice of Infectious Diseases. Elsevier

Garcia LS. Diagnostic Medical Parasitology. ASM Press Larone DH. Medically Important Fungi: A Guide to Identification. ASM Press World Health Organization. Laboratory Biosafety Manual. 4th ed. WHO; 2020 Clinical and Laboratory Standards Institute. Performance Standards for Antimicrobial Susceptibility Testing (M100). CLSI European Committee on Antimicrobial Susceptibility Testing. Breakpoint Tables for Interpretation of MICs and Zone Diameters. EUCAST <u>Pharmacology:</u> Lippincott Illustrated Reviews: Pharmacology; 9th edition; Karen Whalen Katzung's Basic & Clinical Pharmacology, 14th Edition; Bertram G. Katzung and Todd W. Vanderah <u>Anatomy:</u> 1- Snell's clinical anatomy by regions, 8th edition	
2- Gray's anatomy for medical students, 2nd edition	المراجع الرئيسية (المصادر)
<u>Histology:</u> Junqueira's Basic Histology: Text and Atlas, 17th edition. Anthony L.Mescher	الكتب والمراجع الساندة التي يوصى بها (المجلات العلمية، التقارير)
	المراجع الإلكترونية، مواقع الإنترنت