



Jordan University of Science and Technology
Faculty of Medicine
Doctor Of Medicine (Md) Department

MED352 Urinary & Reproductive System

First Semester 2023-2024

Course Catalog

8 Credit Hours. This is an interdisciplinary integrated module of the urinary and reproductive system. Basic sciences of anatomy, physiology, biochemistry, pathology, and pharmacology of the urinary and reproductive system are correlated with a set of clinical disorders of the system. The goal of this integrated course is to provide medical students with comprehensive knowledge about components of the urinary and reproductive system related to clinical manifestations of diseases. The teaching methods include lectures, laboratories, as well as small group discussions of clinically oriented problems to enhance self-directed learning. This knowledge is supported by skills-developing laboratory activities and clinically oriented activities. Research ideas with specific embedded objectives are also included to emphasize social responsibility, evidence-based medicine, community service, and innovative thinking. During the course and whenever relevant the students are exposed to clinical problems to emphasize the explanations of symptoms, signs, investigations and forms of treatments. Practical sessions are planned to be stations around tables to give students the opportunity to expose their knowledge for discussion and confirm concepts learned in lectures. Small group discussions of clinical cases are planned at the end of the course where students are divided into small groups and with the help of an instructor they analyze and discuss the problem .

Text Book

Title	Clinical Anatomy for Medical Students
Author(s)	R.S. Snell
Edition	30th Edition
Short Name	Clinical Anatomy for Medical Students
Other Information	latest edition

Course References

Short name	Book name	Author(s)	Edition	Other Information
Basic Histology	Basic Histology	L. Carlos Junqueira	30th Edition	latest edition
Before we are born	Before we are born	K.L. Morre and T.V.N. Persaud	30th Edition	latest edition

Grant Atlas of Anatomy	Grant Atlas of Anatomy	Anne M. R. Agur, Arthur F. Dalley	30th Edition	
Guyton and Hall Textbook of Medical Physiology	Guyton and Hall Textbook of Medical Physiology	John E. Hall	13th Edition	
Textbook of Biochemistry with Clinical Correlations	Textbook of Biochemistry with Clinical Correlations	Thomas M. Devlin	30th Edition	
Biochemistry, Lippincott illustrated Reviews	Biochemistry, Lippincott illustrated Reviews	Emine E. Abali, Susan D. Cline, David S. Franklin, Susan M. Viselli	7th Edition	
Lipincott?s Illustrated Reviews: Pharmacology	Lipincott?s Illustrated Reviews: Pharmacology	Richard A. Harvey and Pamela Chample	6th Edition	6th Edition
Basic Pathology	Basic Pathology	Kumar, Cotran and Robbins	30th Edition	

Instructor	
Name	Dr. Doaa Al Udatt
Office Location	-
Office Hours	Sun : 14:30 - 16:00 Mon : 09:00 - 11:00 Tue : 12:00 - 14:00 Wed : 09:00 - 11:00
Email	dgaludatt@just.edu.jo

Class Schedule & Room
<p>Section 1: Lecture Time: Sun : 08:30 - 11:30 Room: مدرج د. سعد حجازي</p> <p>Section 2: Lecture Time: Sun : 11:30 - 14:30 Room: مدرج د. سعد حجازي</p> <p>Section 3: Lecture Time: Thu : 08:30 - 11:30 Room: مدرج د. سعد حجازي</p> <p>Section 4: Lecture Time: Thu : 11:30 - 14:30 Room: مدرج د. سعد حجازي</p>

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introductory case presentation for UGS	From Basic Pathology

Week 1	Gross morphology of the kidney.	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 1	Gross anatomy of the ureter and urinary bladder	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 1	Glomerular filtration (GF) and renal blood flow (RBF)	From Guyton and Hall Textbook of Medical Physiology
Week 1	Regulation of tubular reabsorption	From Guyton and Hall Textbook of Medical Physiology
	Histology of the kidney and urinary passages	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 1	Development of the urinary system	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 1	Congenital and cystic diseases of the kidney	From Basic Pathology
Week 1	Reabsorption and secretion	From Guyton and Hall Textbook of Medical Physiology
Week 1	Glomerulonephritis	From Basic Pathology
Week 2	Nephritic Syndrome and nephrotic syndrome	From Basic Pathology
Week 2	Anatomy of the Pelvic wall	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 2	Renal concentration and dilution of urine	From Guyton and Hall Textbook of Medical Physiology
Week 2	Glomerular pathology in systemic diseases	From Basic Pathology
Week 2	Urinary tract infections and Schistosomiasis	
Week 2	Pelvic Cavity I (male organs)	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 2	Tubulointerstitial nephritis; Urinary tract infection	From Basic Pathology

Week 2	Diuretic agents	From Lipincott's Illustrated Reviews: Pharmacology
Week 2	Gonorrhoea and Syphilis	
Week 2	Pelvic Cavity II (Female organs)	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 3	The Perineum	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 3	Role of the kidney acid-base balance	From Textbook of Biochemistry with Clinical Correlations , From Biochemistry, Lippincott illustrated Reviews
Week 3	Diseases of blood vessels; Renal failure	From Basic Pathology
Week 3	Renal tumors; Pathology of the urethra and urinary bladder	From Basic Pathology
Week 3	Introduction to the Reproductive Part	
Week 3	Histology of male reproductive system	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 3	NGU (Chlamydia/ LGV & Urea plasma), Granuloma inguinale and Chancroid	
Week 3	Diseases of the prostate	From Basic Pathology
Week 3	Diseases of the penis, scrotum, and testis	From Basic Pathology
Week 3	Male reproductive physiology	From Guyton and Hall Textbook of Medical Physiology
Week 4	Androgens and their antagonists	From Lipincott's Illustrated Reviews: Pharmacology
Week 4	Histology of female reproductive system	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 4	Diseases of the vulva and vagina	From Basic Pathology

Week 4	HIV and AIDS	
Week 4	Female reproductive physiology	From Guyton and Hall Textbook of Medical Physiology
Week 4	Diseases of the uterus& cervix	From Basic Pathology
Week 4	Physiology of pregnancy	From Guyton and Hall Textbook of Medical Physiology
Week 4	Gestational diseases	From Basic Pathology
Week 4	Herpes, Cytomegalo Virus, Human Papilloma Virus and Moluscum contagiosum	
Week 5	Diseases of the ovaries and fallopian tubes	From Basic Pathology
Week 5	Development of the Genital system	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 5	Parturition and lactation	From Guyton and Hall Textbook of Medical Physiology
Week 5	Diseases of the breast	From Basic Pathology
Week 5	Candidiasis, trichomoniasis, gardnerella & ectoparasite	
Week 5	Drugs acting on the uterus	From Lipincott?s Illustrated Reviews: Pharmacology
Week 5	Community awareness And Genital-urinary tract infections	
Week 5	Genital-urinary tract infections	From Basic Pathology
Week 5	Female sex steroids and contraceptive agents	From Lipincott?s Illustrated Reviews: Pharmacology
Week 1	Anatomy lab	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 2	Pathology LAB	From Basic Pathology
Week 3	Pathology LAB	From Basic Pathology

Week 3	Anatomy lab	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 4	Pathology LAB	From Basic Pathology
Week 4	Histology LAB	From Clinical Anatomy for Medical Students , From Basic Histology , From Before we are born , From Grant Atlas of Anatomy
Week 5	Microbiology LAB	
Week 5	Pathology LAB	From Basic Pathology
Week 4	Clinical Case I	
Week 5	Clinical Case II	

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe the anatomical and physiological basis for the Urino-Genital system	20%	
Understand the pathogenesis of various diseases of the Urino-Genital System	20%	
Able to explain symptoms, signs, investigations, and forms of treatments for urinogenital system anomalies	30%	
Describe the gross morphology of different organs forming the Urino-Genital system including the vasculature, lymphatic drainage, and innervation of different parts of the Urino-Genital System.	20%	
Describe the gross morphology of different organs forming the Urino-Genital system including the vasculature, lymphatic drainage, and innervation of different parts of the Urino-Genital System.	10%	

Relationship to Program Student Outcomes (Out of 100%)													
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12	PLO13	PLO14

Policy	
Attendance	Consistent with Jordan University of Science and Technology guidelines, students absent from regularly scheduled examinations because of authorized University activities will have the opportunity to take them at an alternate time. No make-up exams will be given for unexcused absences.

Withdraw	Withdraw Consistent with Jordan University of Science and Technology guidelines
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