Form: Course Syllabus		
	Form Number	EXC-01-02-02A
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1.	**Course Title**	Genitourinary System
2.	**Course Number**	0500361
3.	**Credit Hours (Theory, Practical)**	5.5 Theory
	Contact Hours (Theory, Practical)	68 Lectures and 7 Labs
4.	**Prerequisites/ Corequisites**	--
5.	**Program Title**	Doctor of Medicine
6.	**Program Code**	05
7.	**School/ Center**	School of Medicine
8.	**Department**	Anatomy & Histology, Physiology & Biochemistry, Pathology, Microbiology, Pharmacology, and Internal medicine.
9.	**Course Level**	Bachelor
10.	**Year of Study and Semester (s)**	Third year/ Second Semester
11.	**Program Degree**	Bachelor
12.	**Other Department(s) Involved in Teaching the Course**	-
13.	**Learning Language**	English
14.	**Learning Types**	☐Face to face learning ☒Blended ☐Fully online
15.	**Online Platforms(s)**	☒Moodle ☒Microsoft Teams
16	**Issuing Date**	20/12/2023
17.	**Revision Date**	1-4-2026

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20. Course Description:

A- Course Description:

This course covers the study of the urogenital organ systems, which include the kidneys, lower urinary tract, male genital system, and female genital systems. The course encompasses anatomy and histology of the mentioned organs; along with the physiology of fluid and electrolyte balance, as well as the physiology of reproductive functions of the male and female genital organs. Pharmacology sessions will cover therapeutics of renal filtration and sex hormonal regulation and therapeutics. Moreover, the pathology section is concerned with the study of the renal diseases including disturbances of glomerular function, tubular disorders, various types of infections and neoplastic disorders that affect each of the above-mentioned organs. Sessions covering genital pathology will encompass a description of various neoplastic and non-neoplastic disorders that affect female and male genital tracts, as well as the breast. The part of microbiology of genitourinary system will focus on major infections that affect the genitourinary organs. The course also covers the clinical aspects of

nephrology, urology, and obstetrics and gynecology, including brief introduction to major signs and symptoms and hot topics.

B- Aims:

The aim of this course is to introduce basic knowledge about the urinary and reproductive systems in humans. The main scope is to learn the main characteristics and mechanisms of functions of these systems, where students will learn their anatomic, histologic, and physiologic perspectives, and then move to common pathologic conditions and pharmacologic drugs used in their treatment.

21. Program Intended Learning Outcomes: (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

PLO's	*National Qualifications Framework Descriptors*		
	Competency (C)	Skills (B)	Knowledge (A)
1.	☐	☐	☒
2.	☐	☒	☐
3.	☒	☐	☐
4.	☐	☐	☒
5.	☐	☒	☐
.6	☒	☐	☐
7.	☐	☐	☒
8.	☒	☐	☐

* Choose only one descriptor for each learning outcome of the program, whether knowledge, skill, or competency.

Program Intended Learning Outcomes:

1. Demonstrate basic knowledge of normal human structure and function at molecular, genetic, cellular, tissue, organ, system and whole-body levels in terms of growth, development, and health maintenance. Analyze the basic molecular and cellular mechanisms involved in the causation and treatment of human disease and their influence on clinical presentation and therapy.
2. Collect, interpret, document, and communicate accurately a comprehensive medical history, including the psychological and behavioral factors, and a thorough organ-system-specific physical examination inclusive of the mental status of the patient.
3. Integrate and communicate collected clinical information in the construction of appropriate diagnostic and therapeutic management strategies to identify life-threatening conditions ensuring

prompt therapy, referral, and consultation with relevant disciplines and skillfully perform basic medical procedures for general practice on patients with common illness, acute and chronic, taking into account environmental, social, cultural and psychological factors.

4. Demonstrate in-depth knowledge of the epidemiology and biostatistics of common diseases, and analyze the impact of ethnicity, culture, socioeconomic factors and other social factors on health, disease and individual patient's health care.

5. Communicate effectively and professionally, both orally and in writing, with patients, their families, and with other healthcare providers utilizing information technology resources in his/her scholarly activities and professional development with the ability to teach others, and to understand and respect other healthcare professionals 'roles, and apply the principles of multidisciplinary teamwork dynamics and collaboration.

6. Apply scientific methods including evidence –based approach to the medical practice including problem identification, data collection, hypothesis formulation, etc., and apply inductive reasoning to problem solving and ensure that clinical reasoning and decision making are guided by sound ethical principles.

7. Demonstrate knowledge of scientific research methods and ethical principles of clinical research and be able to write research proposals or research papers.

8. Demonstrate professionally the skills needed for Quality improvement, lifelong learning, and continuous medical education including the ability to identify and address personal strength and weakness, self-assess knowledge and performance, and develop a self-improvement plan

22. Course Intended Learning Outcomes: (Upon completion of the course, the student will be able to achieve the following intended learning outcomes)

Course ILOs #	The learning levels to be achieved						Competencies
	Remember	Understand	Apply	Analyse	Evaluate	Create	

1.	✓	✓					Describe the external and internal gross anatomical and micro-anatomical features of each organ of the urinary system and reproductive system of males and females and identify their arterial supply, venous drainage, lymphatic drainage and nerve supply
2.		✓	✓	✓	✓	✓	Identify the function of the kidneys and urinary tract, including renal blood flow, glomerular filtration, loop function, urine concentration/dilution, endocrine control of kidney functions, and the renal regulation of electrolytes and Acid-Base Homeostasis
3.		✓	✓	✓	✓	✓	Describe the reproductive system functions in males and females and identify the endocrine and neuroendocrine regulation of reproduction with emphasis on fertilization, pregnancy, and fertility
4.		✓	✓	✓	✓	✓	Identify the pathologic basis and clinical manifestations of diseases affecting the kidneys, and the female and male urinary and genital tracts and mammary glands.

5.	✓	✓	✓	✓	✓		Identify the major causative microbial species, their structure, transmission, epidemiology, laboratory detection and evaluate urinary tract infections associated with them and sexually transmitted diseases in males and females and their antimicrobial treatment
6		✓	✓	✓	✓	✓	List drugs used for the treatment of urinary and genital tracts disorders, and compare their pharmacological actions, their mechanism of action, their clinical uses, their major side effects and drug-drug interactions
7		✓	✓	✓	✓	✓	Identify major clinical manifestations and illustrate the general signs and symptoms related to renal and urogenital diseases and value the major points in taking history, physical exam and laboratory investigations from patients with urogenital diseases in males and females.

8		✓	✓	✓	✓	✓	Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers and society.

23. The matrix linking the intended learning outcomes of the course -CLO's with the intended learning outcomes of the program -PLOs:

PLO's * / CLO's	1	2	3	4	5	6	7	8	Descriptors**		
									A	B	C
1	✓	✓	✓	✓	✓	✓			✓		
2										✓	
3											✓
4									✓		
5								✓		✓	
6							✓				✓
7									✓		
8											✓

***Linking each course learning outcome (CLO) to only one program outcome (PLO) as specified in the course matrix.**

****Descriptors are determined according to the program learning outcome (PLO) that was chosen and according to what was specified in the program learning outcomes matrix in clause (21).**

24. Topic Outline and Schedule:

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Anatomy Anatomy of the pelvis I (introduction to genital system)	Describe and identify the external and internal gross anatomical features of each organ of the Male and female Reproductive Systems and their blood and nerve supply.	K	Face to face		Synchronous Lecturing	Written exam	28-A1
	1.2	Anatomy Anatomy of the pelvis II			Face to face		Synchronous Lecturing	Written exam	28-A1
	1.3	Anatomy Anatomy of kidneys	Understand the general concepts of Gross Anatomy of the Urinary System (Kidneys, Urinary tract, bladder)	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	28-A1
	1.4	Anatomy Anatomy of ureters	understand the general concepts of Gross Anatomy of the Urinary System (Kidneys, Urinary tract, bladder)	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	28-A1
	1.5	Physiology Introduction to The urinary system: functional anatomy and urine formation by kidneys	Describe the functional anatomy of the kidney and identify the role of the renal system in homeostasis.	K	Face to face		Synchronous Lecturing	Written exam	28-A2
	1.6	Physiology Glomerular filtration, Renal Blood flow	Describe Glomerular filtration and explore its relations in term of (rate, compositions, dynamics, control, and measurements etc.	K	Face to face		Synchronous Lecturing	Written exam	28-A2
	1.7	Physiology Glomerular filtration, Renal Blood flow, and their control			Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	28-A2
	1.8	Physiology Glomerular filtration, Renal Blood flow, and their control	Describe Glomerular filtration and explore its relations in term of (rate, compositions, dynamics, control, and measurements etc. (Knowledge) (Skills)	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	28-A2
	1.9	Pathology Urinary system pathology (Concepts &	. identify major clinical manifestations of renal diseases -recognize major glomerular diseases:	K	Face to face		Synchronous Lecturing	Written exam	28-A9, A10, A11

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
		Glomerular diseases)	Pathogenesis; immune complex nephritis; Other mechanisms of glomerular injury	S					
	1.10	Pathology Nephrotic syndrome	understand nephrotic syndrome and its major causes: Minimal change disease; Focal segmental glomerulosclerosis; Membranoproliferative glomerulonephritis	K	Face to face		Synchronous Lecturing	Written exam	28-A9, A10, A11
	1.11	Pathology Nephritic syndrome	-understand The nephritic syndrome and recognize major causes: Acute proliferative glomerulonephritis; Rapidly progressive glomerulonephritis (Crescentic); IgA nephropathy (Berger's disease) -identify the concept of Hereditary nephritis; and Chronic glomerulonephritis	K S	Blended	Moodle	Synchronous Lecturing	Written exam	28-A4
	1.12	Pathology Renal cysts	-understand Cystic diseases of kidney: Simple cysts; Autosomal dominant (adult) polycystic kidney disease; Autosomal recessive (Childhood) polycystic kidney disease - grasp the concept of Urinary outflow obstruction: Renal stones; Hydronephrosis -recognize the different types of Renal tumors: Renal cell carcinoma; Wilms' tumor	K S	Blended	Moodle	Synchronous Lecturing	Written exam	28-A4
	1.13	Anatomy Anatomy of urinary bladder and urethra	Describe and identify the external and internal gross anatomical and micro-anatomical features of each organ of the urinary system	K S	Face to face		Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	28-A4
	1.14	Histology Histology of urinary system I	Describe and identify and Recognize major aspects of Histology of urinary system: urinary tract, bladder, kidney.	S K	Blended	Moodle	Synchronous Lecturing	Written exam	

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
Week	**Lecture**	**Topic**	**Student Learning Outcome (SLO)**	**Descriptors ****	**Learning Methods (Face to Face/Blende**	**Platform**	**Synchronous / Asynchronous Lecturing**	**Evaluation Methods**	**Resources**
2	2.1	Anatomy Anatomy of male genital system I	-Describe and identify the external and internal gross anatomical features of each organ of the Male and their blood and nerve supply. (Knowledge) (Skills) -understand the general concepts of Gross Anatomy of Male Reproductive System (Testis, Epididymis, Vas deferens and Spermatic Cord, Seminal Vesicles, Prostate and Penis)	K S	Face to face		Synchronous Lecturing	Written exam	28-A1
	2.2	Anatomy Anatomy of male genital system II	-Describe and identify the external and internal gross anatomical features of each organ of the Male and their blood and nerve supply. (Knowledge) (Skills) -understand the general concepts of Gross Anatomy of Male Reproductive System (Testis, Epididymis, Vas deferens and Spermatic Cord, Seminal Vesicles, Prostate and Penis)	K S	Face to face		Synchronous Lecturing	Written exam	28-A1
	2.3	Physiology Renal Tubular reabsorption and secretion	- Identify concepts of Tubular function: Recognize Different forms of transport. Understand Clearance (definition, usages & interpretations). -Identify concepts of Tubular Function Reabsorption and secretion. Recognize Absorptive capabilities of different tubule segments (Transport maximum (Tm) and Glucose Titration curve). III. identify concepts of Tubular Function Reabsorption and	K S	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	28-A2

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
			secretion of Na+, K+ & H+.						
	2.4	Physiology Renal Tubular reabsorption and secretion	-Define tubular re-absorption and secretion (The concept of clearance by the kidney and its interpretations). -Understand tubular re-absorption and secretion for Na+ , K+, and H+.	K	Face to face		Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	28-A2
	2.5	Physiology Urine concentration and dilution, regulation of ECF osmolarity	-Understand Concept of Concentration and dilution of urine. -Understand The Countercurrent Mechanism. -Recognize The minimum obligatory urine output. -Relevance of urine concentration or dilution. -Understand and describe the renal handling of urea; Specific Gravity versus osmolality	K S	Blended	Moodle	Synchronous Lecturing	Written exam	28-A2
	2.6	Physiology Urine concentration and dilution, regulation of ECF osmolarity	-comprehend the function of diuretics and their mechanism of action -Identify the role of ADH in concentrating urine and its role in regulating ECF osmolarity	K S	Face to face		Synchronous Lecturing	Written exam	28-A2
	2.7	Pathology Tubulointerstitial diseases	-Grasp the details about major tubulointerstitial disease: Tubulointerstitial nephritis; Acute pyelonephritis; Chronic pyelonephritis and reflux nephropathy - recognize the concepts of Drug - induced interstitial nephritis; Acute tubular necrosis -comprehend blood vessel disorders: Benign nepherosclerosis; Malignant hypertension and malignant nephrosclerosis; Thrombotic microangiopathies	K S	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	28-A3
	2.8	Pathology Urinary system tumors	-recognize the different types of Renal tumors: Renal cell carcinoma; Wilms' tumor	K	Face to face		Asynchronous Lecturing	Written exam/ Online activities and assignments/	28-,A3

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
			- recognize Tumors of the urinary bladder and collecting system.					Discussion session	
	2.9	Microbiology Urinary tract infections (Introduction, Cystitis)	Understanding of Urinary tract defenses, UTI epidemiology and predisposing factors.	K	Face to face		Synchronous Lecturing	Written exam	28-A5
	2.10	Microbiology UTI 2 (Pyelonephritis. Prostatitis)	Understanding of Cystitis, Prostatitis	K	Face to face		Synchronous Lecturing	Written exam	28-A5
	2.11	Microbiology UTI 3 (asymptomatic bacteriuria and clinical scenarios)	Understanding of asymptomatic bacteriuria (ASB), Pyelonephritis	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	28-A5
	2.12	Physiology Renal regulation of potassium, calcium and phosphate	-Understand renal regulatory mechanisms of potassium, calcium, and phosphate	K	Face to face		Synchronous Lecturing	Written exam	28-A2
	2.13	Physiology Renal regulation of potassium, Calcium and phosphate	-Understand renal regulatory mechanisms of potassium, calcium and phosphate, -Recognize role of aldosterone, influence of diuretics and intake of K+ and Na+ on K+ regulation.	K S	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	28-A2
	2.14	Physiology Acid base regulation	- Understand the general concepts of Acid base balance -Recognize Body Defense Against Changes in hydrogen ion concentration [H+] (buffers: Lungs: Kidneys), Volatile acid and non-volatile acid. -Understand and utilize Henderson-Hasselbalch Equation.	K S	Face to face			Written exam	28-A2
	2.15	Physiology Acid base regulation	- Understand the general concepts of Acid base balance - Understand Renal Control of Acid-Base Balance in Acidosis Vs Alkalosis.	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	28-A2

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
			- Recognize Metabolic Vs Respiratory Compensation -To be able to diagnose acid-base imbalance and type of compensation from laboratory findings and to utilize anion gap measurement in suggesting differential diagnosis of metabolic acidosis	S					
	2.16	Clinical	-Recognize major concepts of Urology: Introduction to history, physical examination and clinical manifestations of urological disorders. -Recognize major concepts of Nephrology: Introduction to history, physical examination and clinical manifestations of renal disorders.	K S	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments/ Discussion session	
Week	**Lecture**	**Topic**	**Student Learning Outcome (SLO)**	**Descriptors ****	**Learning Methods (Face to Face/Blende**	**Platform**	**Synchronous / Asynchrono us Lecturing**	**Evaluation Methods**	**Resources**
3	3.1	Anatomy Practical Pelvis (bone, blood and nerve supply)	Describe and identify the external and internal gross anatomical features of the pelvis and their blood and nerve supply	K	Face to face		Synchronous Lecturing	Written exam	28-A1
	3.2	Anatomy Practical Urinary system	Describe and identify the external and internal gross anatomical features of the kidneys and their blood and nerve supply	K	Face to face		Synchronous Lecturing	Written exam	28-A1
	3.3	Microbiology Genital infections and STDs (Bacterial vaginosis, Trichomoniasis, Vulvovaginal candidiasis)	Understanding of genital tract defenses, STD epidemiology and predisposing factors. STD pathophysiology.	K S	Face to face		Synchronous Lecturing	Written exam	28-A5
	3.4	Microbiology Genital infections and STDs 2 (Gonorrhoea, Chlamydia, Syphilis, Mycoplasma genitalium)	Understanding of Bacterial vaginosis, Syphilis, Trichomoniasis, Vulvovaginal candidiasis, and Trichomoniasis	K	Face to face		synchronous Lecturing	Written exam	28-A5

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
		6.							
	3.5	Microbiology Genital infections and STDs 3 (Chancroid, Genital warts, Genital herpes, HIV)	Understanding of Gonorrhea, Chlamydia, Genital warts, Human immunodeficiency virus, Genital herpes, and pelvic inflammatory disease	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A5
	3.6	Histology Histology of male genital system	recognize major aspects of Histology of Male Reproductive System	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A6
	3.7	Anatomy Anatomy of female genital system I	-grasp the details about gross anatomy of female Reproductive System (Uterus, Uterine tubes, Ovaries, Vagina, and Mammary gland)	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A1
	3.8	Anatomy Anatomy of female genital system II	grasp the details about gross anatomy of female Reproductive System (Uterus, Uterine tubes, Ovaries, Vagina, and Mammary gland)	K	Face to face		Synchronous Lecturing	Written exam	28-A1
	3.9	Histology Histology of female genital system I	recognize major aspects of Histology of Female Reproductive System	K	Face to face		Synchronous Lecturing	Written exam	28-A6
	3.10	Physiology Reproductive and hormonal functions of Male	-understand the general concepts of Spermatogenesis: Hormonal factors regulating initiation, maintenance of spermatogenesis; Function of sex organs - recognize physiological aspects of Androgens. Regulation of secretion. Mechanism of action, metabolism. Chronological pattern of secretion . understand the general concepts of Puberty (male), physiological changes. understand the general physiological aspect of infertility.	K S	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A2
	3.11	Physiology Reproductive and hormonal functions of Male			Face to face		Synchronous Lecturing	Written exam	28-A2
	3.12	Physiology Female physiology	. understand the general concepts of Oogenesis, Follicular recruitment and	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online	28-A2

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
		before pregnancy	development. Monthly follicular and hormonal changes and subsequent endometrial changes.					activities and assignments	
	3.13	Physiology Female physiology before pregnancy	- grasp details about Ovulation, fertility period, Corpus luteum (CL) formation, life span endocrine function, regression and consequences. Changes in the female following ovulation. CL of pregnancy Extended function of CL - understand the general concepts of Female hormones, regulation of secretion and different functions. Hypothalamic pituitary gonadal (testis and ovaries) regulation. Positive and negative feedback; Other hormones as prolactin.	S	Face to face		Synchronous Lecturing	Written exam	28-A2
	3.14	Pathology Testicular and prostate diseases	1. grasp concepts and identify different types of Testicular Neoplasms 2. recognize major clinicopathological aspects of Prostate diseases: Nodular hyperplasia of the prostate; Carcinoma of the prostate	S	Face to face		Asynchronous Lecturing	Written exam	28-A3
	3.15	Pathology Pathology of Lower FGT	-Recognize the common infections of the vulva & vagina -Understand the pathogenesis of common vulvar and vaginal tumors -Comprehend common infections of the cervix -Grasp the details of HPV associated cervical carcinogenesis and the successful screening program	K S	Face to face		Asynchronous Lecturing	Written exam	28-A3

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
4	4.1	Pathology Ovarian pathology	-Recognize the pathology of ovarian and fallopian tube cysts and its diagnostic features -Understand the clinicopathological characteristics of polycystic ovarian syndrome -Identify common ovarian tumors and recognize their clinicopathological features.	K S	Face to face		Synchronous Lecturing	Written exam	28-A3
	4.2	Pathology Uterine pathology	-Recognize and understand common uterine diseases and its clinicopathological features (endometritis, adenomyosis, endometriosis, abnormal uterine bleeding) -Recognize common endometrial malignancies and its pathogenesis (endometrial carcinoma, leiomyosarcoma & MMT) - Absorb the common benign proliferative & neoplastic uterine diseases (leiomyoma, polyps, endometrial hyperplasia).	K S	Face to face		Asynchronous Lecturing	Written exam	28-A3
	4.3	Anatomy Anatomy of Perineum I	-Identify gross anatomy of perineum	S	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A1
	4.4	Anatomy Anatomy of Perineum II	-Identify gross anatomy of perineum	S	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A1
	4.5	Anatomy Development of urinary system	-recognize development of urinary system	K	Face to face		Synchronous Lecturing	Written exam	28-A1
	4.6	Anatomy Development genital system	-recognize development of genital system	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A5

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
	4.7	Anatomy Anatomy of the breast	Identify gross anatomy of breast	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A1
	4.8	Physiology Pregnancy and lactation	- recognize Early stage of embryo development and implantation in the maternal endometrium. Pregnancy hormones (hCG, Somatomammotropin) secretion and importance of such hormones). Materno-feto-placental hormone secretion -understand the general concepts of Breast development. Hormonal interaction. Milk synthesis and secretion; Milk letdown reflex -understand the general concepts of Puberty (male and female),	K S	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A2
	4.9	Physiology Pregnancy and lactation			Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A2
	4.10	Pathology Trophoblastic pathology	- Recognize the clinical presentations of Trophoblastic pathology		Face to face		Synchronous Lecturing	Written exam	28-A2,A3
	4.11	Pathology Breast pathology	* Recognize the clinical presentations of benign and malignant breast diseases * Understand the main differences between breast epithelial lesions * Understand the epidemiology, clinical, types, macroscopic, microscopic, prognostic features of breast cancer	K S	Face to face		Synchronous Lecturing	Written exam	28-A3
Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to	Platform	Synchronous / Asynchronous	Evaluation Methods	Resources
	5.1	Pathology lab 1 (kidney & urinary system)		K S C	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A3
	5.2	Pathology lab 2 (genital tracts & breast)		K S C	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A3
	5.3	Anatomy Practical		K S C	Face to face		Synchronous	Written exam	28-A1

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
		Male Genital system							
	5.4	Anatomy Practical Female Genital system		K S C	Face to face		Synchronous	Written exam	28-A1
	5.5	Histology Practical Histology of urinary system, male and Female genital system		K S C	Face to face		Synchronous	Written exam	
	5.6	Pharmacology Pharmacology of antifungal agents	understand the pharmacology of different classes of antifungal drugs	K	Face to face		synchronous Lecturing	Written exam	28-A4
	5.7	Pharmacology Pharmacology of antifungal agents			Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A4
	5.8	Pharmacology Pharmacology of diuretics	recognize major aspects of the pharmacology of diuretics	K	Face to face		synchronous Lecturing	Written exam	28-A4
	5.9	Pharmacology Pharmacology of antibiotics effective in the management of UTI	- recognize the pharmacology of all antibiotics effective in UTIs	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A4
	5.10	Pharmacology Pharmacology of ADH and drugs acting on the uterus	-understand major aspects of pharmacology of antidiuretic hormone and drugs acting on the uterus	K	Face to face		synchronous Lecturing	Written exam	28-A4
	5.11	Pharmacology Pharmacology of GnRH, LH and FSH in males and females	.-recognize major aspects of the pharmacology of GnRH, LH, FSH in males and females	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	28-A4
	5.12	Pharmacology Pharmacology of androgens, antiandrogens, estrogens, antiestrogens, progesterone and antiprogestins	-grasp details of the pharmacology of androgens, antiandrogens, estrogens, antiestrogens, progestins and antiprogestins	K	Face to face		synchronous Lecturing	Written exam	28-A4
	5.13	Pharmacology Pharmacology of contraception	grasp details of the pharmacology of oral contraceptive pills	K	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online	28-A4

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
								activities and assignments	
	5.14	Clinical	. grasp details of Introduction to history, physical examination and clinical manifestations of gynecological disorders	K S C	Blended	Moodle	Asynchronous Lecturing	Written exam/ Online activities and assignments	
** K: Knowledge, S: Skills, C: Competency									

25. Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Opportunities to demonstrate achievement of the SLOs are provided through the following assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	CLOs	Descriptors**	Period (Week)	Platform
Midterm exam	40	Anatomy, physiology, and pathology	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.11, 1.12, 1.14, 2.1, 2.2, 2.3, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10, 2.11, 2.12, 2.13, 2.14, 2.15, 2.16	K S	End of second week	Exambuilder
Online assignments, activities and discipline	2	All blended topics	1.3, 1.4, 1.7, 1.8, 1.11, 1.12, .1.14, 2.3, 2.5, 2.7, 2.11, 2.13, 2. 15, 2. 16, 3.5, 3.6, 3.7,3.10 3.12,4.3,4.4,4.6,4.7,4.8 4.9,5.1,5.2,5.7,5.9,5.11 5.13,5.14	K S C	1st- 5th week	Moodle
Practical	8	Histology, Physiology, Pathology	3.1,3.2,5.1,5.2,5.3 5.4,5.5	S C	Sixth week	Exambuilder
Final exam	50	Physiology, pathology, biochemistry, pharmacology, microbiology, clinical, practical	3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.12, 3.14, 4.1, 4.2, 4.3, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.13, 4.14, 4.15, 4.16	K S C	Sixth week	Exambuilder
** K: Knowledge, S: Skills, C: Competency						

*** According to the instructions for granting a Bachelor's degree.**

****According to the principles of organizing semester work, tests, examinations, and grades for the bachelor's degree.**

Mid-term exam specifications table*

(These tables are completed on a separate form by course coordinators prior to conduction of each exam according to Accreditation and Quality Assurance Centre procedures and forms)

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CLO Weight	CLO no.
Create	Evaluate	analyse	Apply	Understand	Remember					
%10	%10	%10	%20	%20	%30					
2	2	2	4	4	6	20	20	20	20	1
2	2	2	3	3	4	12	12	12	12	2
2	2	2	3	3	4	12	12	12	12	3
2	2	2	3	3	5	15	15	15	15	4
2	2	2	3	3	4	13	13	13	13	5
2	2	2	3	3	4	13	13	13	13	6
1	1	1	2	2	3	10	10	10	10	7
1	1	1	1	1	2	5	5	5	5	8

Final exam specifications table

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CLO Weight	CLO no.
Create	Evaluate	analyse	Apply	Understand	Remember					
%10	%10	%10	%20	%20	%30					
2	2	2	4	4	6	20	20	20	20	1
2	2	2	3	3	4	12	12	12	12	2
2	2	2	3	3	4	12	12	12	12	3
2	2	2	3	3	5	15	15	15	15	4
2	2	2	3	3	4	13	13	13	13	5
2	2	2	3	3	4	13	13	13	13	6
1	1	1	2	2	3	10	10	10	10	7
1	1	1	1	1	2	5	5	5	5	8

26. Course Requirements:

- ✓ **Class room Lectures**
- ✓ **Internet connection**
- ✓ **Online educational material using Moodle (Electronic Videos and Activities)**
- ✓ **Histology Lab sessions**

Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- ✓ **Class room Lectures**
- ✓ **Interactive Videos and Animations**
- ✓ **Online activities and assignments**
- ✓ **Laboratory sessions**
- ✓ **Discussion sessions and forums**
- ✓ **Game- based learning**

27. Course Policies:

A- Attendance policies:

Attendance will be monitored by the course coordinator. Attendance policies will be announced at the beginning of the course.

B- Absences from exams and handing in assignments on time:

Will be managed according to the University of Jordan regulations. Refer to http://registration.ju.edu.jo/Documents/daleel.pdf

C- Health and safety procedures:

Faculty Members and students must at all times, conform to Health and Safety rules and procedures.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

As a student in this course (and at this university) you are expected to maintain high degrees of professionalism, commitment to active learning and participation in this course and also integrity in your behavior in and out of the classroom. Students violate this policy would be subjected to disciplinary action according to University of Jordan disciplinary policies

E- Grading policy:

Grade-point average, Rules are preset by the Faculty and Department Councils

F- **Available university services that support achievement in the course:**

Availability of comfortable lecture halls, data show, internet service and E learning website https://elearning.ju.edu.jo/ .

28. References:

A- Required book (s), assigned reading and audio-visuals:

1. Snell, R.: Clinical Anatomy by region, 9th edition, Lippincott, Williams & Wilkins.
2. Guyton and Hall Textbook of Medical Physiology (Guyton Physiology) by by John E. Hall, 14th edition.
3. Robbins & Cotran Pathologic Basis of Disease, 11th edition, Kumar, Abbas, Aster.
4. Craig, CR. & Stitzel, RE: Modern Pharmacology with clinical applications 6th edition 2004
5. Harrison's Infectious Diseases 3rd Edition SECTION III Infections in organ systems Chapter 33
6. Junqueira's Basic Histology, Text and Atlas by Anthony L. Mescher, 15th edition.

B- Recommended books, materials, and media:

Web based **resource: Moodle/e-learning platform**

29. Additional information:

Name of the Instructor or the Course Coordinator: Dr. Anas Abu Humaidan	Signature: 	Date: 2026/4/1
Name of the Head of Quality Assurance Committee/ Department Dr. Enas Al-Zayadneh	Signature: ……..……	Date: 2025/5/11
Name of the Head of Quality Assurance Committee/ School or Center Professor Ayman Wahbeh.	Signature: ……..……	Date: ……..……

Name of the Dean or the Director Signature: Date:

Professor Ayman Wahbeh

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