

Genitourinary Block

Iran University of Medical Sciences & Health Services

Vice-Chancellor for Education

Center for the Study and Development of Medical Education

Educational Planning Unit

Course Design Framework (Theoretical & Practical)

Course Information

- **Academic Department:** Anatomy
 - **Course Title:** Genitourinary Block
 - **Credit Type and Weight:** Theoretical & Practical – 1 credit
 - **Course Director:** Dr. Hamid Reza Asgari
 - **Instructors:** Dr. Asgari, Dr. Nazmara, Dr. Balouchnejad, Dr. Fallah
 - **Prerequisite/Corequisite:** Basic Medical Sciences
 - **Educational Program / Level:** Medicine – Professional Doctorate (M.D.)
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Course Director Information

- **Academic Rank:** Associate Professor
 - **Specialty:** Anatomical Sciences
 - **Workplace:** School of Medicine, Iran University of Medical Sciences
 - **Phone:** +98-21-86704553
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General Course Description

This course provides theoretical and practical training in the anatomy, histology, and developmental (embryological) processes of the urinary system and the male and female reproductive system.

Overall Competency Objectives

(Not explicitly completed in the original document.)

Specific Learning Objectives (Core Competencies)

At the end of this course, the learner is expected to be able to:

(The source document leaves this section incomplete — marked with ".....")

Educational Approach

Virtual In-person Blended

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Teaching–Learning Methods

Virtual Approach (if used)

- Flipped classroom
- Digital game-based learning
- Interactive e-content learning
- Problem-Based Learning (PBL)
- Other: —

In-Person Approach

- **Interactive lecture (Q&A, quizzes, group discussion)**
- Small-group discussions
- Team-Based Learning (TBL)

- Problem-Based Learning (PBL)
- Scenario-based instruction
- Peer-teaching
- Game-based learning
- Additional comment:

Due to the high number of medical students, applying several teaching methods may be associated with logistical challenges.

Blended Approach

- A combination of virtual and in-person strategies (*not further specified in the file*)
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Instructional Resources

- Whiteboard
 - Slide/Video projector
 - Skill-lab equipment
 - **Additional resources:**
 - Cadaver dissection
 - Anatomical plastic models
 - Human plastinated pelvic specimen
 - Pelvic bone
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Theoretical Course Schedule — Genitourinary Block

Semester: Fall 1404–1405

Section 1 — Kidneys and Urinary Tract

Session	Date (1404 SH)	Topic	Department	Time	Instructor
1	30/06/1404	Histology of kidney, ureter, bladder, and urethra	Anatomy	08:00–10:00	Dr. Nazmara
2	01/07/1404	Anatomy of kidneys, ureter, bladder, prostate, and urethra (male & female)	Anatomy	10:00–12:00	Dr. Asgari
3	06/07/1404	Embryology of the urinary system	Anatomy	08:00–10:00	Dr. Asgari
4	08/07/1404	Body fluid physiology	Physiology	10:00–12:00	Dr. Balouchnejad
5	13/07/1404	Glomerular filtration & feedback	Physiology	08:00–10:00	Dr. Balouchnejad
6	15/07/1404	Tm – FF – RBF – Clearance / Membrane transport	Physiology	10:00–12:00	Dr. Balouchnejad
7	20/07/1404	Urine dilution & concentration / Water & electrolyte transport	Physiology	08:00–10:00	Dr. Balouchnejad
8	21/07/1404	Body fluids and renal role in acid–base balance	Biochemistry	10:00–12:00	Dr. Fallah
9	27/07/1404	Urine biochemistry	Biochemistry	08:00–10:00	Dr. Fallah
10	—	Basic–Clinical Integration Session	—	—	—

Section 2 — Reproductive System (Male & Female) and Perineum

Session	Date	Topic	Department	Time	Instructor
1	29/07/1404	Anatomy of male reproductive system & bony pelvis	Anatomy	10:00–12:00	Dr. Asgari

Session	Date	Topic	Department	Time	Instructor
2	04/08/1404	Histology of male reproductive system	Anatomy	08:00–10:00	Dr. Nazmara
3	06/08/1404	Anatomy of female reproductive system & bony pelvis	Anatomy	10:00–12:00	Dr. Asgari
4	11/08/1404	Histology of female reproductive system	Anatomy	08:00–10:00	Dr. Nazmara
5	13/08/1404	Anatomy of the perineum (male & female)	Anatomy	10:00–12:00	Dr. Asgari
6	18/08/1404	Embryology of the reproductive system	Anatomy	08:00–10:00	Dr. Asgari

Practical Course Schedule — Genitourinary Block

Session	Date	Location	Time Slots	Instructor(s)	Topic
1	31/06/1404	Histology Lab	08–10 / 10–12 / 13–15 / 15–17	Dr. Nazmara	Histology of kidney & urinary tract
2	07/07/1404	Dissection Hall	Same schedule	Dr. Asgari, Dr. Karoji	Anatomy of kidney & urinary pathways
3	05/08/1404	Dissection Hall	Same schedule	Dr. Asgari, Dr. Karoji	Anatomy of male reproductive organs & pelvis
4	12/08/1404	Histology Lab	Same schedule	Dr. Nazmara	Histology of male & female reproductive organs
5	19/08/1404	Dissection Hall	Same schedule	Dr. Asgari, Dr. Karoji	Anatomy of female reproductive system & perineum

Student Responsibilities and Expectations

Students must:

- Attend all theoretical and practical sessions (attendance is **mandatory**)
 - Complete assignments on time
 - Participate actively in class and laboratory sessions
 - Study assigned resources and be prepared for quizzes and assessments
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Assessment and Grading Policy

- **Formative Assessment:** Quizzes, participation
- **Summative Assessment:** End-of-semester exam

Evaluation Component Percentage

Final Exam	100%
Midterm Exam	—
Assignments	—
Class participation	—

Exam format may include:

- Multiple choice
 - True/False
 - Matching
 - Short answer
 - Practical/OSCE/OSPE (based on need)
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Course Resources

Required Textbooks

1. *Snell: Textbook of Human Anatomy*
2. *Gray's Anatomy for Students*

3. *Langman's Medical Embryology*
4. *Junqueira's Basic Histology*
5. *Anatomy and Histology of the Urinary and Reproductive System – Dr. Asgari (Author)*

Additional Materials

- Scientific articles
- Electronic educational content
- Recommended further reading in clinical radiology of the genitourinary system