

Course plan

Year: 2025-2026	Semester: <input checked="" type="checkbox"/> First <input type="checkbox"/> Second	Number of students: 4								
Major: MD, MBBS	<input checked="" type="checkbox"/> Basic sciences <input type="checkbox"/> Physiopathology	Department: Physiology								
Course Title: Renal physiology	<input checked="" type="checkbox"/> Theoretical <input type="checkbox"/> Practical	Credit: 0.8								
Prerequisite: none	Day & Time: Wednesday, 14-16 P.M.	Place: Conference Room								
Instructor: Prof. Mehdi Nematbakhsh	Office address: School of Medicine, Department of physiology	Tel: 031-3792 9017								
Email: nematbakhsh@med.mui.ac.ir	Response Hours and Days: 13-16 add days	Student representative name and mobile number:								
Main objective: Understanding the basic concepts of renal system physiology										
References (Text books): 1- Guyton and Hall Textbook of Medical Physiology, (Latest version) Chapters 25-31										
Student evaluation and the value related to each evaluation: (The assessment tools that will be used to test student ability to understand the course material and gain the skills and competencies stated in learning outcomes)										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">ASSESSMENT TOOLS</th> <th style="width: 30%;">From</th> </tr> </thead> <tbody> <tr> <td>Final Exam (MCQ, True/False, Matching, Written assay)</td> <td></td> </tr> <tr> <td>Final Exam may take in two different exams at two different day</td> <td style="text-align: center;">20</td> </tr> <tr> <td>TOTAL MARKS</td> <td style="text-align: center;">20</td> </tr> </tbody> </table>			ASSESSMENT TOOLS	From	Final Exam (MCQ, True/False, Matching, Written assay)		Final Exam may take in two different exams at two different day	20	TOTAL MARKS	20
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TOTAL MARKS	20									
Student's responsibilities: 1- Study the chapters (25-31) from the text book before and after the class 2- Compliance with class rules 3- For each hour class absence, 0.25 marks will be deducted from the final grade (each class 0.5 mark). More than 3 hour class absence is not allowed and zero grades will be reported.										
Discipline and educational rules: will be present at the class										
Other important notes for students:										
<div style="display: flex; justify-content: space-between;"> Mid exam date: In accordance with the schedule Final exam date: In accordance with the schedule </div>										

Row	date	Presentation	Topic	Professor	Type	References	Chapter
1	April 20, 2025	Class	Compartment and body fluid	Mehdi Nematbakhsh	Theoretical	Textbook of Medical Physiology (Guyton and Hall)	25
2	April 27, 2025	Offline	Filtration and renal blood flow	Mehdi Nematbakhsh	Theoretical	Textbook of Medical Physiology (Guyton and Hall)	26 and 27
3	May 4, 2025	Offline	Reabsorption and secretion	Mehdi Nematbakhsh	Theoretical	Textbook of Medical Physiology (Guyton and Hall)	28
4	May 11, 2025	Offline	Concentration of urine and control of extracellular sodium and potassium	Mehdi Nematbakhsh	Theoretical	Textbook of Medical Physiology (Guyton and Hall)	29
5	May 18, 2025	Offline	Blood volume regulation	Mehdi Nematbakhsh	Theoretical	Textbook of Medical Physiology (Guyton and Hall)	30
6	May 27, 2025	Offline	Control of hydrogen ions and acid-base balance	Mehdi Nematbakhsh	Theoretical	Textbook of Medical Physiology (Guyton and Hall)	31