

Course plan

Year: 2026-2027	Semester: ☒ First ☐ Second	Number of students: 19
Major: MD, MBBS	☒ Basic sciences ☐ Physiopathology	Department: Physiology
Course Title: Renal Physiology	☒ Theoretical ☐ Practical	Credit: 0.8
Prerequisite: none	Day & Time: Tuesday 8-10 A.M.	Place: Class
Instructor: Dr. Samira Choopani	Office address: School of Medicine, Department of Physiology	Tel: 031-37929017
Email: smr.choopani@gmail.com	Response Hours and Days: Sunday Afternoon	Student representative name

Main objective: Understanding the basic concepts of renal system

References: Kidney Physiology and Body Fluids Compartments; Chapters 1-6

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)

ASSESSMENT TOOLS	From
Final Exam	20
TOTAL MARKS	20

Student's responsibilities:
 1- Study the chapters (1-6) from the book
 2- Observe the class order and rules

Discipline and educational rules: Negative point from final grade will be implement for each class absent

Other important notes for students:
 The final exam may include any type of question (Explanation, True-False, Matching, Multiple Choice, Calculation)

Mid exam date: In accordance with the schedule
Final exam date: In accordance with the schedule

Row	date	Presentation	Topic	Professor	Theoretical or practical	References	Chapter
1	Sep 22 2026	Class Lecture	The Body Fluids Compartments and the Related Laws	Samira Choopani	Theoretical	Kidney Physiology and Body Fluids Compartments	1
2	Sep 29 2026	Class Lecture	Kidneys' Functions, Renal Processes, Glomerular Filtration Rate and Renal Blood Flow	Samira Choopani	Theoretical	Kidney Physiology and Body Fluids Compartments	2
3	Oct 6 2026	Class Lecture	The Process of Reabsorption and Secretion in the Kidney	Samira Choopani	Theoretical	Kidney Physiology and Body Fluids Compartments	3

4	Oct 13 2026	Class Lecture	Measuring Kidney Function; Renal Clearance	Samira Choopani	Theoretical	Kidney Physiology and Body Fluids Compartments	4
5	Oct 20 2026	Class Lecture	Regulation of Osmolarity and Blood Volume by the Kidneys	Samira Choopani	Theoretical	Kidney Physiology and Body Fluids Compartments	5
6	Oct 27 2026	Class Lecture	Acid-Base Balance, Control of Hydrogen Ion	Samira Choopani	Theoretical	Kidney Physiology and Body Fluids Compartments	6