



Golestan University of Medical Sciences
Center for Studies and Development of Medical Sciences Education
International Campus Education Development Office



Educational group Biochemistry and biophysics

Course plan

Name of the course	Hormonal biochemistry	Academic year	2025-2026
Field of study	medicine	Degree	Professional Doctor of Medicine
Course/ lesson number	122	Prerequisite/co-requisite	Cell and molecular biochemistry and biochemistry discipline
Number of units	0/7	type of unit	Theory
Number of learners		number of sessions	7
Venue	Faculty of Medicine - Class Affairs	Time	Saturday 8 to 10
Name of the person in charge of the course (lesson)	Dr. Jahanbakhsh Asadi		
Address of the office	Faculty of Medicine - Department of Biochemistry - First floor, Room 319		
Phone	IVR: 0173183 - extension 318	The e-mail	Dr.asadi@goums.ac.ir
Contact time	7:30-15		
Course professors	Dr. Jahanbakhsh Asadi		
General objective			
Gain knowledge about the importance of the integrity of the endocrine system and their related diseases			
Specific goals			
At the end of the course, students are expected to be able to:			
<ul style="list-style-type: none"> • Understand the importance and role of each of the hypothalamic and pituitary hormones, pancreatic hormones, thyroid hormones, adrenal cortical and central hormones, calcium-regulating hormones, and sex hormones in relevant diseases 			
Learning resources			
Original sources	Henry Davidson's Biochemistry		
Secondary sources	Reza Mohammadi's book, Hormone Biochemistry		
Teaching methods			
Lecture with presentation of educational slides and PowerPoints and class Q& A			
How to evaluate students and the score for each evaluation			
A) Formative (evaluations during the course)	Class questions and answers	score	20%

B) Cumulative (end-of-course evaluations)	Test exam		score	80%	
The date of the mid-term exam	According to the training program	the date of the final exam	According to the training program		
Course rules and regulations					
<ul style="list-style-type: none"> • Attending class and participating in all educational programs • Participating in the end-of-semester exam 					
Professional and ethical duties and tasks of learners					
Attendance on time, active participation in discussions, answering questions, pre-study					
Curriculum timetable					
Row	Date Time	content	presentation method	students learning activities	Resources, equipment and educational aids
1	Saturday 8-10	Introduction to Hormones	Lecture with presentation of educational slides and PowerPoints and class Q&A	The student should participate in class question and answer sessions	Whiteboard Projector
2		Hypothalamic and pituitary hormones			
3		Pancreatic hormones			
4		Thyroid hormones			
5		Adrenal cortical and central hormones			
6		Calcium-regulating hormones			
7		Sex hormones			
Other explanations					