

## معاونت آموزشی دانشگاه علوم پزشکی اهواز

## مرکز مطالعات و توسعه آموزش علوم پزشکی

### Course ID and Course Schedule

#### Student Form

Course Title: Digestive Physiology Faculty: Medicine		Program: Medicine
Course Code: 21 Histology, Cell Physiology and Sunday-10:00-12:00 A.M.	Academic Year: 2025- 2026 Academic Semester: 3rd	Prerequisite: Biochemistry, GIT Anatomy and Credit amount: 0.62 Course Schedule: Saturday Emails: alimard77@gmail.com-mard-sa@ajums.ac.ir
Specific objectives: Learning the processes of digestion and absorption of food along GIT; regulation of appetite and food intake; Liver functions in terms of fats digestion and absorption, storage of the absorbed foods, excretion endobiotics and xenobiotic, regulating homeostasis of food in the blood; defecation; micro-biota functions.		

Teacher's name	Teaching method	Student activity	Outline (Expected outcomes)
Dr. Mard	Lecture and PowerPoint presentation, Using the PBL method to explain and facilitate physiological topics and express their importance, sometimes discussions on clinical and pharmacological cases.	Active student participation in class discussions - summarizing - listening - questions and answers	The role of the digestive system in the absorption of the digestive system - Liver function, regulation of blood flow in the liver
Dr. Mard	Lecture and PowerPoint presentation, Using the PBL method to explain and facilitate physiological topics and express their importance, sometimes discussions on clinical and pharmacological cases.	Active student participation in class discussions - summarizing - listening - questions and answers	Explanation of the process of peristalsis, movements including food, rate; contractions of the smooth muscle mechanism of defecation; disorders
Dr. Mard	Lecture and PowerPoint presentation, Using the PBL method to explain and facilitate physiological topics and express their importance, sometimes discussions on clinical and pharmacological cases.	Active student participation in class discussions - summarizing - listening - questions and answers	Description of digestive juices, description of salivary, esophageal, physiological role of each
Dr. Mard	Lecture and PowerPoint presentation, Using the PBL method to explain and facilitate physiological topics and express their importance, sometimes discussions on clinical and pharmacological cases.	Active student participation in class discussions - summarizing - listening - questions and answers	Description of pancreatic, gallbladder, digestion and absorption of carbohydrates, mechanisms of gallstone formation
Dr. Mard	Lecture and PowerPoint presentation, Using the PBL method to explain and facilitate physiological topics and express their importance, sometimes discussions on clinical and pharmacological cases.	Active student participation in class discussions - summarizing - listening - questions and answers	Explanation of colon secretion, absorption of water, digestion and absorption of carbohydrates, lipid-soluble vitamins.
Dr. Mard	Lecture and PowerPoint presentation, Using the PBL method to explain and facilitate physiological topics and express their importance, sometimes discussions on clinical and pharmacological cases.	Active student participation in class discussions - summarizing - listening - questions and answers	A brief description of the mechanism of the digestive juices in their survival tract and the human body - Duodenum, Regulation of eating rate and effectiveness in health and diseases

### Student assignments: Attending classes on time – Get involved in class discussions – note taking

Evaluation: Class activity, mid, and final exam exam:	Homework score: Up to 10% of the total score Midterm exam score: up to 40% of the total score
	End-of-semester

Main course references and approved by the Ministry: Guyton and Hall Textbook of Medical Physiology - Ganong's Review of Medical Physiology