



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	
ACADEMIC YEAR	
ANNO ACCADEMICO EROGAZIONE	
SUBJECT	
CODE	
SCIENTIFIC SECTOR(S)	
HEAD PROFESSOR(S)	VASTO SONYA Professore Associato Univ. di PALERMO
OTHER PROFESSOR(S)	VASTO SONYA Professore Associato Univ. di PALERMO TERZO SIMONA Ricercatore a tempo determinato Univ. di PALERMO
CREDITS	
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	
TERM (SEMESTER)	
ATTENDANCE	
EVALUATION	
TEACHER OFFICE HOURS	TERZO SIMONA Friday 10:00 12:00 Studio personale presso Dipartimento STEBICEF, Edificio 16 -II piano- viale delle Scienze. E' preferibile concordare appuntamento per e-mail: simona.terzo01@unipa.it VASTO SONYA Monday 10:00 11:30 Dipartimento Stebicef, parco d'Orleans, Edificio 16, piano primo Wednesday 10:00 11:30 Dipartimento Stebicef, parco d'Orleans, Edificio 16, piano primo

DOCENTE: Prof.ssa SONYA VASTO

PREREQUISITES	The ultimate goal of the integrated course is to achieve knowledge and understanding in the field of pathophysiology and medical therapy. Essential prerequisite to have basic knowledge related to the courses of Pathophysiology, Anatomy and Human, Biology and Genetics, Immunology, Microbiology and Virology inherent to the educational objectives of the course
LEARNING OUTCOMES	The student will: - acquire knowledge and understanding skills in relation to metabolic pathology and morphology and functionality of the gastrointestinal tract. - show ability to apply knowledge and understanding of the pathologies in question, with adequate communication skills
ASSESSMENT METHODS	Learners at the end of the C.I. will have to demonstrate their ability to apply their knowledge and understanding for a professional approach to clinical problems of gastroenterological interest and metabolic syndrome. Test Tipology: Oral Test. The test aims at assessing whether the student possesses knowledge and understanding of the subjects of the integrated teaching / course program, autonomy of judgment, ability to apply acquired knowledge, specific disciplinary language. "Compensatory tools and dispensatory measures will be guaranteed by the Disability and Neurodiversity Center - University of Palermo (Ce.N.Dis.) to students with disabilities and neurodiversity, based on specific needs and in implementation of current legislation." Minimum number of questions: The student will have to answer a minimum of three oral questions, which will cover all the topics of the integrated course / course, with reference to the suggested texts. Valuation and Policies: The evaluation is in thirty-five, as shown in the diagram below. Excellent 30- 30 and praise excellent knowledge of subjects, excellent language skills, good analytic ability, the student is able to apply knowledge to solve the problems proposed; very good 26-29 - Good command of subjects, full language skills, the student is able to apply knowledge to solve the proposed problems. Good 24-25 - Basic Knowledge of Key Arguments, Discrete Language Properties, with limited ability to apply knowledge to the problem solving themselves. Satisfactory 21-23 - He does not fully master the main subjects of the teaching but possesses knowledge, satisfying language skills, poor ability to apply the acquired knowledge independently. Enough 18-20 - Minimum basic knowledge of the main topics of teaching and technical language, little or no ability to apply the acquired knowledge. Insufficient She does not have an acceptable knowledge of the contents of the topics taught in
TEACHING METHODS	Frontal teaching

MODULE
GASTRO-INTESTINAL SYSTEM PHYSIOLOGY

Prof.ssa SIMONA TERZO

SUGGESTED BIBLIOGRAPHY

Alimentazione, nutrizione e salute Debellis, Poli EdiSES
Materiale dato a lezione

AMBIT	20989-Attivit Formative Affini o Integrative
INDIVIDUAL STUDY (Hrs)	51
COURSE ACTIVITY (Hrs)	24

EDUCATIONAL OBJECTIVES OF THE MODULE

To provide basic knowledge on the digestive tract functions and relative control mechanisms. Attention will be focused on the role of each component (Mouth, oesophagus, stomach, small and large intestine, liver and pancreas) and on chemical digestion and absorption of nutritional substances.

SYLLABUS

Hrs	Frontal teaching
8	Overview of digestive anatomy and physiology. Neural, endocrine and paracrine regulation of digestive functions. The motor function: propulsive and non-propulsive motility – Gastric emptying – Migrating complex and mass movements.
6	Salivary secretion. Gastric secretion. Pancreatic secretion - Hepatic secretion
8	Digestion and absorption of carbohydrates - Digestion and absorption of proteins - Digestion and absorption of lipids. Water and electrolyte. Vitamin, calcium and iron absorption
2	Gustative physiology

MODULE
GASTROINTESTINAL SYSTEM PATHOLOGY

Prof.ssa SONYA VASTO

SUGGESTED BIBLIOGRAPHY

F. Celotti Patologia Generale e Fisiopatologia. ed EDISES
Robbins e Cotran: Le basi patologiche delle Malattie ed. Elsevier

AMBIT	20989-Attivit Formative Affini o Integrative
INDIVIDUAL STUDY (Hrs)	51
COURSE ACTIVITY (Hrs)	24

EDUCATIONAL OBJECTIVES OF THE MODULE

Acquisition of the skills necessary to understand the etiopathogenetic mechanisms of gastrointestinal diseases and alterations of structures, functions and control mechanisms at various levels of integration.

SYLLABUS

Hrs	Frontal teaching
4	Bases of innate and acquired immune response: antigenic recognition and lymphocyte activation, major histocompatibility complex
4	Hypersensitivity reactions. Regional immunity and specialized immune responses in epithelial and immunologically privileged tissues and inflammation. Immunological tolerance and autoimmune diseases (Chron disease, celiac disease)
2	Gastrointestinal tract diseases (oral cavity, esophagus, stomach, small and large intestine, appendix and anus) hernia, diverticula, scleroderma, reflux disease (GERD)
4	Ulcers, gastritis, inflammatory bowel disease (IBD). The role of calprotectin
2	Food allergies and intolerances
2	Clinical pathology of gastro intestinal disease, Blood markers, plasma proteins, urinary marker
2	Food factors with protective action
4	Carcinogenesis and oncogenic food risk.K-colon Immunologia dello stress