UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT			
ACADEMIC YEAR			
ANNO ACCADEMICO EROGAZIONE			
SUBJECT			
CODE			
SCIENTIFIC SECTOR(S)			
HEAD PROFESSOR(S)	TOMASELLO LAURA	Ricercatore a tempo determinato	Univ. di PALERMO
OTHER PROFESSOR(S)	TOMASELLO LAURA	Ricercatore a tempo determinato	Univ. di PALERMO
	CELSA CIRO	Ricercatore a tempo determinato	Univ. di PALERMO
CREDITS			
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR			
TERM (SEMESTER)			
ATTENDANCE			
EVALUATION			
TEACHER OFFICE HOURS	**CELSA CIRO** Wednesday 10:00 12:00 Piazza delle cliniche 2, 90127, Palermo **TOMASELLO LAURA** Thursday 15:30 16:30 Dipartimento Promozione della Salute, Materno-Infantile, di Medicina Interna e Specialistica di Eccellenza “G. D’Alessandro” (Promise).Piazza delle Cliniche, 2, Edificio 2a,90127, PALERMO		

DOCENTE: Prof.ssa LAURA TOMASELLO

PREREQUISITES	The student must possess elementary knowledge of anatomy and physiology of the gastrointestinal system. The student must possess elementary knowledge of anatomy and physiology of the endocrine glands and clinical biochemistry of the main metabolic cycles
LEARNING OUTCOMES	Knowledge and understanding Acquire the knowhow to understand the pathophysiological, biochemical and molecular features of the main endocrinopathies and diseases of the gastrointestinal system. Acquisition of the specialized language used. Ability to apply knowledge and understanding Apply the knowledge acquired to identify the main endocrinopathies and diseases of the gastrointestinal system. Autonomy of judgement Ability to correctly evaluate the results of laboratory assays Communication skills Present the results of the studies correctly, highlighting above all the implications in the field of prevention and therapy Learning ability Ability to integrate the information by the consultation of scientific IT tools (Medline, PubMed)
ASSESSMENT METHODS	Oral exame (consisting of at least two/three questions per module on the program carried out) aimed to test the possession of the skills acquired. Rating out of thirty.. The criteria for evaluation as followed Excellent - 30-30 cum laude Excellent knowledge of teaching contents; the student demonstrates high analytical-synthetic ability and is able to apply knowledge to solve highly complex problems Excellent 27-29 Excellent knowledge of teaching contents and excellent ownership of language; the student demonstrates analytical-synthetic ability and is able to apply knowledge to solve problems of medium complexity and, in some cases, even high Good 24-26 Good knowledge of teaching contents and good ownership of language; the student is able to apply knowledge to solve problems of medium complexity Fair 21-23 Fair knowledge of the teaching contents, in some cases limited to main topics; acceptable ability to use specific language of the discipline and to autonomously apply the knowledge acquired Sufficient 18-20 Minimal knowledge of teaching contents, often limited to main topics; modest ability to use the specific language of discipline and to autonomously apply the knowledge acquired Insufficient Does not have acceptable knowledge of the main contents of teaching; very little or no ability to use language specific to the discipline and to autonomously apply the knowledge acquired 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.
TEACHING METHODS	The course includes lectures in the classroom.

MODULE
GASTROENTEROLOGY

Prof. CIRO CELSA

SUGGESTED BIBLIOGRAPHY

Manuale dell'apparato digerente. Edizione 2022-2025. EAN: 9788821456343
ISBN: 882145634X
Ricerche bibliografiche consigliate dal Docente
Appunti e materiale di lezione

AMBIT	10351-Scienze interdisciplinari cliniche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Knowledge and Understanding
Acquire the skills to understand the pathophysiological, biochemical, and molecular frameworks of major endocrine disorders and gastrointestinal diseases. Comprehend the specialized language used in the field.

Ability to Apply Knowledge and Understanding
Apply the acquired knowledge to recognize and diagnose in vitro the main endocrine disorders and gastrointestinal diseases.

Autonomy of Judgment
Be able to correctly evaluate laboratory test results in light of pathophysiological mechanisms for major endocrine disorders and hepatic and gastrointestinal diseases.

Communication Skills
Present study results accurately, especially highlighting their implications for prevention and therapy.

Learning Ability
Integrate information provided by the lecturer with scientific publications in the field, primarily accessed through the use of IT tools (Medline, Internet).

Assessment of Learning
Oral examination (comprising at least two or three questions per module on the covered program) aimed at verifying the acquired competencies. The exam will be graded on a scale of thirty.

SYLLABUS

Hrs	Frontal teaching
2	Peptic ulcer and helicobacter pylori-related diseases
3	Celiac disease and malabsorption
3	Inflammatory bowel diseases: Crohn's disease and ulcerative colitis
2	Oesophageal, gastric and colorectal neoplasms
2	Drug induced liver and gastrointestinal injury
4	Acute and chronic viral hepatitis
2	Steatotic liver disease, steatohepatitis, alcohol-related liver disease
4	Cirrhosis and hepatocellular carcinoma
2	Cholestasis and biliary obstruction
3	Acute and chronic pancreatitis
3	Genetic diseases of liver and bowel

MODULE
ENDOCRINOLOGY

Prof.ssa LAURA TOMASELLO

SUGGESTED BIBLIOGRAPHY

Giugliano - Endocrinologia e Malattie del Metabolismo - IV edizione 2021. Idelson-Gnocchi ISBN 978-88-7947-7215
Slide del docente

Giugliano - Endocrinologia e Malattie del Metabolismo - IV edizione 2021. Idelson-Gnocchi ISBN 978-88-7947-7215
Slides given by the teacher.

AMBIT	10351-Scienze interdisciplinari cliniche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Knowledge and understanding
Acquire the skills to understand the pathophysiology, biochemistry, and molecular biology of the main endocrine disorders.
Understanding of the technical language used.

Applying knowledge and understanding
Apply the acquired knowledge for the recognition and the in vitro diagnostics of the main endocrine disorders.

Making judgments
Being able to properly assess the results of laboratory tests in selected endocrinopathies

Communication skills
Show the results of studies properly
Learning ability
Ability to integrate the informations given by the teacher with the consultation of scientific publications acquired mainly through the use of IT tools (Medline, Pubmed)

SYLLABUS

Hrs	Frontal teaching
4	Introduction to the study of endocrinology. Historical background, concept of endocrine glands, hormones, feedback
4	Molecular action of hormones, cellular receptors, concept of second messenger, hormonal axes, Psiconeuroendocrinoimmunology
2	The laboratory in endocrine diagnostics. Stimulation and suppression tests
4	Diabetes mellitus: definition and classification. Physiology and pathophysiology of pancreatic insula. Molecular biology and immunopathology of DM. Clinical and therapy notes. The laboratory in the diagnosis of DM
4	Thyroid: anatomy, physiology and pathophysiology. Molecular biology, immunology of goitre, hyperthyroidism, hypothyroidism, Hashimoto's disease, Graves' disease. The laboratory in the diagnosis of thyroid diseases, TSH-reflex
4	Neoplastic diseases of the thyroid: molecular biology and laboratory diagnostics
1	Parathyroid: anatomy, pathophysiology, molecular biology, main deseases and laboratory diagnostics
2	Adrenal gland: anatomy, pathophysiology, molecular biology, main diseases and laboratory diagnostics
3	MEN syndromes, autoimmune polyendocrine syndromes, rare endocrine syndromes
2	Pituitary: main diseases and laboratory diagnostics