Course Title	Psychoneuroendocrinology			
Course Code	MD285			
Course Type	Elective			
Level	1 st Cycle (MD)			
Year / Semester	2 nd Year / 3 nd Semester			
Teacher's Name	ТВА			
ECTS	3 Lectures / week 1 hr/ 14 Laboratories / 0 hr / 14 weeks week			
Course Purpose and Objectives	The course provides an introduction to the interaction between the brain, hormones and behaviour, with emphasis on human studies for an understanding of how complex social behavior emerges from the interplay of hormones, the brain and environmental signals. Central learning objective is to gain foundational knowledge of major theories, research finding and methodological approaches in the field of human neuroendocrinology. The aim of the course is to familiarize students with: • the mechanisms by which hormones act in the brain to influence behaviour in health and disease • the dynamic interactions among hormones, the environment and behaviour • sexual behaviour, parenting, social attachment, aggression stress and other behaviours and their interaction with hormonal mechanisms. • How hormones shape the brain and behavior in development			
Learning Outcomes	 Upon successful completion of this course students should be able to: Describe the basic physiology of the human neuroendocrine system Describe the principles of brain, hormone and behaviour interactions Describe & discuss key concepts in pscyhoneuroendocrinolgy, including:			

	Describe & discus Stress resp	ss key concepts in s conse	tress neurobiology
Prerequisites	None	Co-requisites	None
Course Content	 Introduction to psychoneuroendocrinology and the origins of behavioural endocrinology Introduction to basic neuroendocrine system and hormonal axes Sex & Gender Sexual differentiation The effects of hormones on the brain and behaviour in early development The biology of gender and sex differences Female Reproductive and social behaviour Male Reproductive and social behavior Aggression, dominance & competition Stress Response Basic concepts of the stress response Stress & the HPA axis Stress & Neuronal Plasticity Stress & Learning, Memory & Mental Health Hormones & Health 		
Teaching	 Mental Dis Homeostasis and Eating disc Obesity Behavioral epige differences) Face-to-Face 	behavior orders	nvironment shapes brain
Methodology	1 400 10 1 400		
Bibliography	Psychoneurorendocrinology: The scientific basis of clinical practice. Ed. O. Wolkowitz, A. Rothschild, Am Psychiatric Association Publishing, ISBN 978-0-88048-857-0 Hormones and Behavior, Nick Neave. Cambridge University Press, ISBN 978-0-521-69201-4 Hormones, Brain and Behavior, Ed. D.W. Pfaff, et al, Academic Press, ISBN 978-0-12-374382-4		

	The students will have access to current publications in related journals, including: Psychoneuroendocrinology, Neuroscience & Biobehavioral Reviews, etc.	
Assessment	Examinations: 70% Assignment/Lab 20% Class Participation: 10%	
Language	English	