

System Biological Basis for Pharmacology (SCPM 512)

Academic Year 2021 (2564)

Date: 15 September-18 October 2021

Time: Monday, Wednesday, and Friday 09.00-12.00 and 13:00-16:00

Room: online via google classroom and Webex meeting

DATE	TOPIC	LECTURE
Wed 15 September (9:00-12:00)	Orientation (15 min)	RH
	L1: Introduction to system biology	SY
	L2: Structure and function of cell membrane	
	L3: Membrane potential and drugs affecting membrane functions – local anesthetics	
Fri 17 September (9:00-12:00)	L4: Organization and function of autonomic nervous system (ANS)	PM
	L5-6: Organization and function of respiratory system	SY
Mon 20 September (9:00-11:00)	L7-8: Organization and function of nervous system	NJ
Wed 22 September (9:00-12:00)	Examination 1 (L1-L8)	RH
Mon 27 September (9:00-12:00)	L9-10: Organization and function of GI system	SL
	L11: GI disorders	
Wed 29 September (13:00-16:00)	L12-14: Organization and function of cardiovascular system	PT
Fri 1 October (9:00-11:00)	L15-16: Organization and function of renal system	PM
Mon 4 October (13:00-16:00)	L17: Pathogenesis of inflammation	RH
	Conference 1: Anti-inflammatory drugs (2h)	
Wed 6 October (9:00-12:00)	Examination 2 (L9-L17, Conference 1)	RH
Fri 8 October (9:00-12:00)	L18-20: Organization and function of endocrine system	DP
Mon 11 October (9:00-12:00)	L21: Endocrine disorders	NM
	Conference 2: Endocrine disorders (2 h)	
Fri 15 October (9:00-12:00)	L22: Female reproduction	DP
	L23: Pregnancy and lactation	PK
	L24: Male reproduction	SY
Mon 18 October (9:00-12:00)	Examination 3 (L18-L24, Conference 2)	RH