

SCID 503 Systemic Bioscience (3 Credits): Online Teaching Schedule 2021

Date	Time	Topic	Instructor
Thu, Oct 14	09:00 - 09:30	Course Orientation	Nattapon
	Part 1: Homeostasis, Neurophysiology, Integumentary and Musculoskeletal Systems		
	09:30 - 10:30	Lecture 1: Homeostasis of the Cellular and Body Function	Nattapon
	10:30 - 12:00	Lecture 2: Overview of the CNS Function	Witchuda
Fri, Oct 15	09:00 - 10:30	Lecture 3: Higher Brain Function	Witchuda
	10:30 - 12:00	Lecture 4: Special Senses	Witchuda
Mon, Oct 18	09:00 - 10:30	Lecture 5: Skin as a Protective Organ	Somphong
	10:30 - 12:00	Lecture 6: Immune System of the Skin	Somphong
Tue, Oct 19	09:00 - 10:30	Lecture 7: Body Movement and Muscle Physiology	Vitoon
	10:30 - 12:00	Lecture 8: Calcium Homeostasis and Bone Physiology	Ratchaneevan
Thu, Oct 21	Self Study		
Fri, Oct 22	Chulalongkorn Day (Observed)		
Mon, Oct 25	09:00 - 12:00	Exam 1: Lecture 1 - Lecture 8 (11.5 hours = 92 marks)	
Tue, Oct 26	Part 2: Cardiovascular and Respiratory Systems		
	09:00 - 10:30	Lecture 9: Cardiac Physiology	Jonggonnee
	10:30 - 12:00	Lecture 10: Systemic Circulation	Jonggonnee
Thu, Oct 28	09:00 - 11:00	Lecture 11: Circulatory Control	Jonggonnee
Fri, Oct 29	09:00 - 10:30	Lecture 12: Pulmonary Ventilation	Tepmanas
	10:30 - 12:00	Lecture 13: Gas Exchange and Transport	Tepmanas
Mon, Nov 1	09:00 - 10:30	Lecture 14: Respiratory Control	Tepmanas
Tue, Nov 2	09:00 - 12:00	Conference 1: Obstructive Pulmonary Disorders	Pimtip
Thu, Nov 4	Self Study		
Fri, Nov 5	09:00 - 12:00	Exam 2: Lecture 9 - Lecture 14 (9.5 hours = 76 marks)	
Mon, Nov 8	Part 3: Renal and Gastrointestinal Systems		
	09:00 - 10:00	Lecture 15: Overview of Renal Function	Sunhapas
	10:00 - 11:00	Lecture 16: Fluid, Electrolyte and Acid-Base Balance	Sunhapas
	11:00 - 12:00	Lecture 17: Integrated Function of Renal System	Sunhapas
Tue, Nov 9	09:00 - 12:00	Conference 2: Integrated Response to Cardiac Failure	Pansakorn
Thu, Nov 11	09:00 - 10:00	Lecture 18: Structure, Function and Regulation of the Digestive Tract	Narattaphol
	10:00 - 11:00	Lecture 19: Accessory Organs of the Digestive System	Narattaphol
	11:00 - 12:00	Lecture 20: Digestion and Absorption of Nutrients and Electrolyte Transport	Narattaphol
Fri, Nov 12	Self Study		
Mon, Nov 15	09:00 - 12:00	Exam 3: Lecture 15 - Lecture 20 (6 hours = 48 marks)	
Tue, Nov 16	Part 4: Endocrine and Reproductive Systems		
	09:00 - 10:00	Lecture 21: Principles of Endocrinology and Hypothalamus-Pituitary Axis	Nattapon
	10:00 - 11:00	Lecture 22: Endocrine Control of Growth and Development	Nattapon
	11:00 - 12:00	Lecture 23: Hormonal Regulation of Glucose Metabolism	Arthit
Thu, Nov 18	09:00 - 12:00	Conference 3: Integrated Response to Hemorrhage	Pansakorn
Fri, Nov 19	09:00 - 10:00	Lecture 24: Adrenal Glands and Response to Stress	Arthit
	10:00 - 11:00	Lecture 25: Male Reproductive System	Nittaya
	11:00 - 12:00	Lecture 26: Female Reproductive System	Nittaya
Mon, Nov 22	09:00 - 12:00	Conference 4: Diabetic Ketoacidosis	Ratchaneevan
Tue, Nov 23	Self Study		
Thu, Nov 25	09:00 - 12:00	Exam 4: Lecture 21 - Lecture 26 (6 hours = 48 marks)	