

SCID 503 Systemic Bioscience 2024

Date	Room	Time	Topic	Instructor
Thu, Oct 10	R503	09:00 – 09:30	Orientation	Nattapon
	Part 1: Homeostasis, Neurophysiology, Musculoskeletal and Integumentary System			
	R503	09:30 – 10:30	Lecture 1: Homeostasis of the Cellular and Body Function	Nattapon
	R503	10:30 – 12:00	Lecture 2: Overview of the CNS Function	Chonlawan
Fri, Oct 11	R503	09:00 – 10:30	Lecture 3: Higher Brain Function	Chonlawan
	R503	10:30 – 12:00	Lecture 4: Special Senses	Chonlawan
Mon, Oct 14	<i>Chulalongkorn Day (Observed)</i>			
Tue, Oct 15	R503	09:00 – 10:30	Lecture 5: Body Movement and Muscle Physiology	Tai
	R503	10:30 – 12:00	Lecture 6: Calcium Homeostasis and Bone Physiology	Suwimol
Thu, Oct 17	R503	09:00 – 11:00	Lecture 7: Skin as a Protective Organ	Nisamanee
Fri, Oct 18	Self-study session			
Mon, Oct 21	R503	09:00 – 12:00	Exam 1: Lecture 1 – Lecture 7 (10.5 hours = 84 marks)	
Tue, Oct 22	Part 2: Cardiovascular and Respiratory System			
	R503	09:00 – 10:00	Lecture 8: Principle of Cardiovascular System	Tepmanas
	R503	10:00 – 12:00	Lecture 9: Cardiac Physiology	Tepmanas
Thu, Oct 24	R503	09:00 – 10:30	Lecture 10: Systemic Circulation	Tepmanas
	R503	10:30 – 12:00	Lecture 11: Circulatory Control	Tepmanas
Fri, Oct 25	R503	09:00 – 10:00	Lecture 12: Pulmonary Ventilation	Nattapon
	R503	10:00 – 11:00	Lecture 13: Gas Exchange and Transport	Nattapon
	R503	11:00 – 12:00	Lecture 14: Respiratory Control	Nattapon
Mon, Oct 28	R503	09:00 – 12:00	Exam 2: Lecture 8 – Lecture 14 (9 hours = 72 marks)	
Tue, Oct 29	R503	10:00 – 12:00	Conference 1: Obstructive Pulmonary Disorders	Pimtip
Thu, Oct 31	Part 3: Renal and Gastrointestinal System			
	R503	09:00 – 10:00	Lecture 15: Overview of Renal Function	Kanit
	R503	10:00 – 11:00	Lecture 16: Fluid, Electrolyte and Acid-Base Balance	Kanit
	R503	11:00 – 12:00	Lecture 17: Integrated Function of Renal System	Kanit
Fri, Nov 1	R503	09:00 – 10:00	Lecture 18: Structure, Function and Regulation of the Digestive Tract	Ratchaneevan
	R503	10:00 – 11:00	Lecture 19: Accessory Organs of the Digestive System	Ratchaneevan
	R503	11:00 – 12:00	Lecture 20: Nutrient Digestion and Absorption and Electrolyte Transport	Ratchaneevan
Mon, Nov 4	R503	09:00 – 11:00	Exam 3: Lecture 15 – Lecture 20 (6 hours = 48 marks)	
Tue, Nov 5	R503	09:00 – 12:00	Conference 2: Integrated Response to Cardiac Failure	Pansakorn
Thu, Nov 7	Part 4: Endocrine and Reproductive System			
	R503	09:00 – 10:00	Lecture 21: Principles of Endocrinology and Hypothalamus-Pituitary Axis	Suwimol
	R503	10:00 – 11:00	Lecture 22: Endocrine Control of Growth and Development	Suwimol
	R503	11:00 – 12:00	Lecture 23: Hormonal Regulation of Glucose Metabolism	Arthit
Fri, Nov 8	R503	09:00 – 10:00	Lecture 24: Adrenal Glands and Response to Stress	Arthit
	R503	10:00 – 11:00	Lecture 25: Male Reproductive System	Nittaya
	R503	11:00 – 12:00	Lecture 26: Female Reproductive System	Nittaya
Mon, Nov 11	R503	09:00 – 12:00	Conference 3: Diabetic Ketoacidosis	Ratchaneevan
Tue, Nov 12	R503	09:00 – 12:00	Conference 4: Integrated Response to Hemorrhage	Benjamin
Thu, Nov 14	R503	09:00 – 11:00	Exam 4: Lecture 21 – Lecture 26 (6 hours = 48 marks)	