

SCPM 511: Molecular and Cellular Science in Pharmacology**1 credit [1(1-0-2)]****Academic Year 2026****Date:** Mon, Wed, Fri; **Time:** 9:00 – 12:00 hr**Venue:** Pr 507, Faculty of Science, Mahidol University**Course coordinator:** Asst. Prof. Dr.Porntipa Korprasertthaworn (porntipa.kor@mahidol.ac.th)

Date	Topic	Instructor
Mon 3 August 2026	MUSC New Graduate Students Orientation	
Tue 4 August 2026 (10:00-12:00)	L1-2: Receptors and ion channels	SC
Wed 5 August 2026 (10:00-12:00)	L3-4: Signal transduction and secondary messengers	SC
Fri 7 August 2026 (9:00-11:00)	L5: Autacoids I – histamines (antihistamines), serotoninins	PT
	L6: Autacoids II – prostaglandins, leukotrienes	
(11:00-12:00)	L7: Neurotransmitters and neuromodulators	NJ
Mon 10 August 2026	L8: Overview of immune system	SA
	L9: Antigen recognition & body response to invaders	SA
	L10: Cytokines and chemokines	SA
Wed 12 August 2026	Mother's Day	
Fri 14 August 2026	Examination I (L1-7)	TA
Mon 17 August 2026 (9:00-11:00)	L11: Cell cycle and cell death	RH
	L12: Cell response to injury	RH
Wed 19 August 2026 (9:00-11:00) (11:00-12:00)	L13: Gene expression	OS
	L14: Gene regulation	
	L15: Carcinogenesis	PM
Fri 21 August 2026	Self-study	
Mon 24 August 2026	Examination II (L8-15)	TA

TA, Teaching Assistant