

SCBM340 Basic Cellular Pathology 2(2-0-4)

Academic year 2026 Semester 1

Date: 3 - 28 August 2026

Every Monday Wednesday Friday Time: 09.00-12.00am or 13.00-16.00pm

Course coordinator: Assoc. Prof. Dr.Amornrat Naranuntarat Jensen

Tel: 02-201-5579 e-mail: amornrat.nar@mahidol.ac.th

Date	Time	Room	Topic		Lecturer
Mon 3 Aug	9.00-12.00	P401	Introduction (Syllabus, Objective & Examination)	L1	ANJ
			Introduction to cellular pathology		
Wed 5 Aug	9.00-12.00	P401	Ischemic and hypoxic cell injury	L2	UT
Fri 7 Aug	9.00-12.00	P401	Pigments and tissue deposits under pathologic conditions	L3	NK
	13.00-16.00	P401	Mechanisms of cell injury: Loss of calcium homeostasis	L4	ANJ
Mon 10 Aug	9.00-12.00	P401	Mechanisms of cell injury: Mitochondrial Dysfunction	L5	PC
Fri 14 Aug	9.00-12.00	MDL4	Examination (L1-L3)		Thidarat
Fri 14 Aug	13.00-16.00	P401	Mechanisms of cell injury: Defect in membrane permeability	L6	TP
Mon 17 Aug	9.00-12.00	P401	Mechanisms of cell injury: Free radicals	L7	NC
Fri 21 Aug	9.00-12.00	MDL4	Examination (L4-L7)		Thidarat
Fri 21 Aug	13.00-16.00	P401	Self Study for flipped classroom	L8	Staff
Mon 24 Aug	9.00-12.00	P401	Flipped classroom & student discussion 1: Pigments and free radicals	L9	TM/WP/NC YN/AS/PK
Fri 28 Aug	9.00-12.00	P401	Flipped classroom & student discussion 2: Membrane permeability	L10	TM/WP/NC YN/AS/PK
			Total	30 hr	

Staff

ANJ = Amornrat Naranuntarat Jensen

AS = Athisri Sitthipunya

NC = Nisamanee Charoenchon

NK = Niwat Kangwanrangsang

PC = Pornthip Chaichompoo

PK = Phongthon Kanjanasirirat

TM = Tharathip Muangthong

TP = Thanalai Poonsiri

UT = Umnuaychoke Thongsa-ad

WP = Witchuda Payuhakrit

YN = Yaowarin Nakornpakdee

Scientist: Thidarat Koomsang