

SCPM 501 Experimental Methods in Pharmacology

Academic Year 2023 (2566)

Date: 7 August – 20 October 2023

Time: 13:00-15:00

Mon and Fri

Room: Pr 501/ Pr 507; Department of Pharmacology

Date	Topic	Instructor
Mon 7 Aug 2023	Orientation 1: Good laboratory practice (L,D)	Sutharinee Ruedee
Fri 11 Aug 2023	2: Basic statistic for research (L, D)	Suntaree*
Fri 18 Aug 2023	3: Polymerase chain reaction (PCR) and its application in Biomedical research (L, D)	Pimtip
Mon 21 Aug 2023	4: Mathematical modeling in pharmacology (L, D)	Somchai
Fri 25 Aug 2023	5: ELISA in pharmacology research (L,D)	Sutharinee
Mon 28 Aug 2023	Special class & workshop: Cell culture technique	Genomax/ Agilent
Fri 1 Sep 2023	6: Determination of antioxidant activity: <i>In vitro</i> and <i>In vivo</i> experiments (L, D)	Supachoke
Mon 4 Sep 2023	7: Migration techniques (L, D)	Natthinee
Fri 8 Sep 2023	8: Basic techniques in hemostasis (L, D)	Pansakorn
Mon 11 Sep 2023	9: Transient overexpression of recombinant proteins (L, D)	Supachoke
Mon 18 Sep 2023	SCPM501 Exam I (1-9)	
Fri 22 Sep 2023	10: Transfection of mammalian cells (L, D)	Somrudee
Mon 25 Sep 2023	11: Electron paramagnetic resonance (EPR) technique for research in pharmacology (L, D)	Noppawan
Fri 29 Sep 2023	12: Physiologically-based pharmacokinetics (L, D)	Porntipa
Mon 2 Oct 2023	13: Structure-based drug design and discovery (L, D)	Bodee
Fri 6 Oct 2023	14: Animal models in musculoskeletal pain research (L, D)	Ruedee
Mon 9 Oct 2023	15: Animal models of obesity and type II diabetes (L, D)	Sutharinee
Mon 16 Oct 2023	16: Receptor binding (L, D)	Darawan
Fri 20 Oct 2023	SCPM501 Exam II (10-16)	

* Invited lecture: Assist. Prof. Suntaree Unhapipat

Department of Mathematics, Faculty of Science, Mahidol University