

SCBM 342
Systemic Pathology

Semester 2/2018

Department of Pathobiology
Faculty of Science
Mahidol University

Course Syllabus

(Lecture-Lab-Self-study)
4(2-4-6)

SCBM 342 Systemic Pathology

Introduction to macroscopic and microscopic pathological alterations of cytology, respiratory system, reproductive system, renal system, gastro-intestinal system, liver and biliary system, integumentary systems, cardiovascular system, soft tissue, bone and muscular system and endocrine system.

Prerequisite SCBM 341 General Pathology

Type of Course Required course

Session 2nd Semester

Course Conditions class size : None

Course Objectives

By the end of this course the students are able to understand the basic concepts (aetiology, pathogenesis, morphology and complications) of pathological alterations of various systems due to cell injury, inflammation, neoplasia, immunological deficiency, infection and other disease.

Course Outline

Date	Time	Room	Topic	Lecture	Lab	Lecturer
Mon 14 Jan	9.00-12.00	M303	Introduction			WJ
			L1-Respiratory Pathology	3		WJ
	13.00-16.30	MDL2	Lab 1: Respiratory Pathology		3.5	WJ
Tue 15 Jan	9.00-12.00	K122	L2-Cardiovascular Pathology	3		WJ
	13.00-16.30	MDL2	Lab 2: Cardiovascular Pathology		3.5	WJ
Mon 21 Jan	9.00-12.00	K122	L3-Liver, Pancreas and Gall Bladder Pathology	3		WP
	13.00-16.30	MDL2	Lab 3: Liver, Pancreas, Gall Bladder		3.5	WP
Tue 22 Jan	9.00-12.00	K122	L4-Skin Pathology	3		SN
	13.00-16.30	MDL2	Lab 4: Skin Pathology		3.5	SN

Mon 28 Jan	9.00-11.00	K136	L5-Soft tissue and Bone-Joint Pathology	2		PC
	13.00-16.30	Pr101	Lab 5: Soft tissue and Bone-Joint		3.5	PC
Date	Time	Room	Topic	Lecture	Lab	Lecturer
Tue 29 Jan	9.00-11.00	K136	L6-Endocrine Pathology	2		ANJ
	13.00-16.30	MDL2	Lab 6: Endocrine Pathology		3.5	ANJ
Mon 4 Feb	9.00-12.00	Pr101	Review case study I		3	WJ/WP/SN/ PC/ANJ
	13.00-16.00	Pr101	Review case study II		3	WJ/WP/SN/ PC/ANJ
Tue 5 Feb	9.00-12.00	K136	L7-Gastrointestinal Pathology	3		PS
	13.00-16.30	MDL1	Lab 7: Gastrointestinal Pathology		3.5	PS
Mon 11 Feb	9.00-12.00	M303	Lecture examination I : L1-6			Staff
	13.00-16.00	MDL3	Laboratory Examination I : Lab1-6			
Tue 12 Feb	9.00-11.00	Pr101	L8-Renal Pathology	2		NK
	13.00-16.30	MDL2	Lab 8: Renal Pathology		3.5	NK
Mon 18 Feb	9.00-12.00	K136	L9-Neuro and musculoskeletal	3		NC
	13.00-16.30	MDL1	Lab 9: Neuro and musculoskeletal		3.5	NC
Mon 25 Feb	9.00-12.00	K136	L10-Male Reproductive Pathology	3		NC
	13.00-16.30	MDL2	Lab 10: Male Reproductive Pathology		3.5	NC
Tue 26 Feb	9.00-12.00	K136	L11-Female Reproductive Pathology	3		YN
	13.00-16.30	MDL2	Lab 11: Female Reproductive Pathology		3.5	YN
Mon 4 Mar	9.00-12.00	M303	Lecture examination II : L7-11			Staff
	13.00-16.00	*	Laboratory Examination II : Lab7-11			Staff
		*	Assignment		3	
Tue 5 Mar	9.00-12.00	Pr101	Review case study III		3	PS/NK/ NC/YN
	13.00-16.00	Pr101	Review case study IV		3	PS/NK/ NC/YN
Mon 11 Mar	9.00-12.00	Pr101	Presentation		3	Staff
	13.00-16.30	Pr101	Presentation		3.5	
			Total (h)	30	60	

Teaching methods

1. Lectures in class 30 hours.
2. Students design and carry out experiments in laboratory session 60 hours.

Teaching Media

1. Class handouts, Power point presentation
2. Gross specimens and Histopathology glass slides

Measurement and Evaluation of Students Achievement

1. Examination in lecture 45%
2. Examination in laboratory 35%
3. Class participation 10%
4. On-time submission of reports and assignments and their quality 10%
5. Student Examination Grade = A, B+, B, C+, C, D+, D, F

References

1. Kumar V, Abbas AK, and Aster JC. 2017. Robbins Basic Pathology. 10th Edition. Elsevier. 952pp. ISBN 10: 0323353177 / ISBN 13: 9780323353175
2. Rubin E, Reisner HM. Essentials of Rubin's Pathology. 6th ed., Lippincott Williams & Wilkins, 2013, 704p.
3. Underwood JCE, Cross SS. General and Systematic Pathology. 5th ed., Churchill Livingstone, 2009, 872p.
4. The Internet Pathology Laboratory for Medical Education Florida State University College of Medicine : <http://library.med.utah.edu/WebPath/webpath.html>
5. The Pathology Guy" Ed Friedlander MD Chairman, Dept. of Pathology, University of Health Sciences, KC : <http://www.pathguy.com/>

Instructors

1. ANJ = Assistant Professor Amornrat Naranuntarat Jensen, Ph.D
2. NC = Nisamanee Charoenchon, Ph.D
3. NK = Niwat Kangwanrangsang, Ph.D
4. PC = Pornthip Chaichompoo, Ph.D
5. PS = Assistant Professor Prasit Suwannalert, Ph.D
6. SN = Somphong Narkpinit, M.D.
7. WJ = Associate Professor Wannee Jiraungkoorskul, Ph.D
8. WP = Witchuda Payuhakrit, Ph.D
9. YN = Yaowarin Nakornpakdee, Ph.D

Coordinator

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Requesting an appeal

1. Somphong Narkpinit, M.D. (Course coordinator)

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