

Course Syllabus
SCBM333 Medical Virology 2(1-2-3)
Academic Year 1/2018

Day: October 24th to November 19th, 2018

Room: Lecture SC1-160, Lab brief SC1-160, Lab SC3-400

Course Coordinator: Radeekorn Akkarawongsapat (086-991-4466)

Staff: Ampa Suksatu, Radeekorn Akkarawongsapat, Fabien Loison, Jitra Limthongkul

TAs: TA1, TA2

Date	Time		Topic	Staff
Oct 24, 2018 Wed	08:30-09:20	Lecture 1	Course orientation and introduction to viruses	AS
	09:30-10:20	Lecture 2	Virus structure, classification, and replication	AS
	10:30-11:20	Lecture 3	Viral pathogenesis	AS
Oct 25, 2018 Thu	08:30-09:20	Lecture 4	DNA viruses I: <i>Papillomaviridae</i> and <i>Polyomaviridae</i>	RA
	09:30-10:20	Lecture 5	DNA viruses II: <i>Herpesviridae</i>	RA
	10:30-12:20	Discussion 1	Group discussion	RA
Oct 26, 2018 Fri	08:30-09:20	Lab 1	Lab brief: Quantitation of virus (1)	RA
	09:30-12:20		Lab practice	RA, AS, JL, TAs
Oct 29, 2018 Mon	08:30-09:20	Lecture 6	DNA viruses III: <i>Poxviridae</i> , <i>Adenoviridae</i> , and <i>Parvoviridae</i>	RA
	09:30-10:20	Lecture 7	Negative-sense RNA viruses I: <i>Paramyxoviridae</i> and <i>Orthomyxoviridae</i>	RA
	10:30-12:20	Discussion 2	Group discussion	RA
Oct 31, 2018 Wed	08:30-09:20	Lab 2	Lab brief: Quantitation of virus (2), Hemagglutination/ Hemagglutination inhibition (HA/HI) tests, Plaque reduction neutralization test (PRNT)	RA
	09:30-12:20		Lab practice	RA, AS, JL, TAs
Nov 2, 2018			Mahidol Wichakarn – No class	
Nov 5, 2018 Mon	08:30-09:20	Lecture 8	Negative-sense RNA viruses II: <i>Rhabdoviridae</i> and <i>Filoviridae</i>	RA
	09:30-10:20	Lecture 9	Positive-sense RNA viruses I: <i>Picornaviridae</i> and <i>Coronaviridae</i>	RA
	10:30-12:20	Discussion 3	Group discussion	RA
Nov 7, 2018 Wed	08:30-09:20	Lecture 10	Positive-sense RNA viruses II: <i>Togaviridae</i> and <i>Flaviviridae</i>	AS
	09:30-10:20	Lecture 11	dsRNA viruses & ambisense RNA viruses: <i>Reoviridae</i> , <i>Bunyaviridae</i> , <i>Arenaviridae</i>	AS
	10:30-12:20	Discussion 4	Group discussion	AS

Date	Time		Topic	Staff
Nov 9, 2018 Fri	08:30-09:20 09:30-12:20	Lab 3	Lab brief: Molecular detection of viral genome Lab practice	RA RA, AS, JL, TAs
Nov 12, 2018 Mon	08:30-09:20 09:30-10:20 10:30-12:20	Lecture 12 Lecture 13 Discussion 5	Viruses with RT activity: <i>Hepadnaviridae</i> (DNA), <i>Retroviridae</i> (RNA) Subviral agents Group discussion	AS AS AS
Nov 14, 2018 Wed	08:30-09:20 09:30-10:20	Lecture 14	Antiviral agents, vaccine, and viral application Q&A	RA AS, RA
Nov 15, 2018 Thu	08:30-09:20 10:30-12:20	Lecture 15 Discussion 6	Immune response to viral infection Group discussion	FL FL
Nov 16, 2018 Fri	08:30-12:20		Group presentation	AS, RA
Nov 19, 2018 Mon	09:00-12:00		Exam	AS, RA

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