



Medical Doctor (MD) Programme Phase 1 (Year 1)
Academic Session 2020/2021
School of Medical Sciences

MICROBIOLOGY, IMMUNOLOGY & PATHOLOGY COURSE
(GMT104)

MEDICAL DOCTOR (MD) PROGRAMME PHASE I (YEAR 1)

Academic Session 2020/2021

WEEK: 1

MICROBIOLOGY, IMMUNOLOGY & PATHOLOGY COURSE (GMT104)

Course Coordinator:
P/M Dr Wong Kah Keng (Ext :6227)
email: kahkeng@usm.my

DAY/ TIME	8.30	9.00	10.00	11.00	12.00	L U N C H	2.00	3.00	4.00	
SUNDAY 13/12/2020	Self Study	Briefing WKK	Classification of Medically Important Bacteria KK	Self Study	ENGLISH		Self Study	Classification & Replication of Viruses RHS	Self Study	
MONDAY 14/12/2020	Self Study	Classification of Medically Important Parasites RBZ	Self Study	PBL 5(A) <i>PBL Facilitators</i>			Self Study	ENGLISH	Self Study	
TUESDAY 15/12/2020	Self Study	Classification & Development of Medically Important Fungi AH	Self Study	Microscopic Examination of Bacteria and Fungi KK	Self Study		Perpustakaan Hamdan Tahir Training Senior Librarian	Self Study	Host-pathogen Interactions NHH	Self Study
WEDNESDAY 16/12/2020	Self Study	Microbial Genetics & Principles of Antimicrobial Resistance CYY	Self Study	PBL 5(B) <i>PBL Facilitators</i>			Self Study	Kursus Teras Keusahawanan (WUS 101/2) JKP	Self Study	
THURSDAY 17/12/2020	Self Study	PRACTICAL: Transport media, growth media and microbial culture ZAR, CYY, KK, AZH, ZNA, HH, NI, RBZ, RHS, SAH, ZZD, ZEE, NHH & Technologist		ENGLISH			Self Study	PPIP Activity NAY	Self Study	

GROUP	BT	PBL TUTORS	GROUP	BT	PBL TUTORS	GROUP	BT	PBL TUTORS
1	1	PM Dr.Rafidah Hanim Shomriad (Mikrobiologi)	7	7	Dr. Ramlah Kadir (Imunologi)	13	13	Dr. Nur Azida Mohd Nasir (U.S.Rekonstruktif)
2	2	Dr. Norzila Ismail (Farmakologi)	8	8	Dr. Zeti Norfidiyati Salmuna@Ayub (Mikrobiologi)	14	14	Dr.Tang Suk Peng (Farmakologi)
3	3	Dr. Nurul Syazana Mohamad Shah (Unit.Sains.Rekonstruktif)	9	9	PM Dr. Muhammad Farid Johan (Hematologi)	15	15	Dr. Siti Norasikin Binti Mohd Nafi (Patologi)
4	4	Dr. Nur Arnida Mohd Safuwan (Patologi Kimia)	10	10	Dr. Rohimah Mohamud (Imunologi)	16	16	Dr. Noor Suryani Mohd Ashari (Imunologi)
5	5	PM Dr. Zaidah Abdul Rahman (Mikrobiologi)	11	11	Dr. Mohd Nazri Hassan (Hematologi)	17	17	PM Dr. Mohd Asnizam Bi. Asari (Anatomi)
6	6	Dr. Nik Haszroel Hysham Nik Hashim (Mikrobiologi)	12	12	Dr. Ainul Bahiyah Abu Bakar (Fisiologi)	18	18	Dr. Azalina Zainuddin (Patologi Kimia)

MEDICAL DOCTOR (MD) PROGRAMME PHASE I (YEAR 1)

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WEEK: 2

MICROBIOLOGY, IMMUNOLOGY & PATHOLOGY COURSE (GMT104)

Course Coordinator:
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DAY/ TIME	8.30	9.00	10.00	11.00	12.00		2.00	3.00	4.00		
SUNDAY 20/12/2020	Self Study	Introduction to Immunology <i>NMR</i>	Self Study	ENGLISH			L U N C H	Self Study	Cells and Organs of the Immune System <i>RM</i>	Self Study	
MONDAY 21/12/2020	Self Study	PRACTICAL: Basic Medical Microbiology <i>CYY, KK, AZH, ZNA, HH, NI, RBZ, RHS, SAH, ZAR, ZZD, ZEE, NHH & Technologists</i>		Self Study	Innate Immune Response <i>RM</i>	Self Study		Self Study	ENGLISH		Self Study
TUESDAY 22/12/2020	Self Study	Complement and Cytokines <i>WKK</i>	Self Study	Adaptive Immune Response <i>WKK</i>	Self Study	T and B cell Development <i>WKK</i>		Self Study	Self Study	Principles of Antigen and Antibody Interactions <i>RM</i>	Self Study
WEDNESDAY 23/12/2020	Self Study	Structure and Functions of Immunoglobulin <i>RK</i>	Self Study	Major Histocompatibility Complex <i>RM</i>	Self Study	Principles of Tolerance and Autoimmunity <i>RM</i>		Self Study	Kursus Teras Keusahawanan (<i>WUS 101/2</i>) <i>JKP</i>		Self Study
THURSDAY 24/12/2020	Self Study	PRACTICAL: Immunological Tests <i>RM, NKY, CMCH, NSMA, WKK, NMR, RK, AHA, ASA, JMA & MLTs</i>		ENGLISH				Self Study	PPIP Activity <i>NAY</i>		Self Study

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WEEK: 3
MICROBIOLOGY, IMMUNOLOGY & PATHOLOGY COURSE (GMT104)
Course Coordinator:
 P/M Dr Wong Kah Keng (Ext :6227)
 email: kahkeng@usm.my

DAY/ TIME	8.30	9.00	10.00	11.00	12.00	L U N C H		2.00	3.00	4.00
SUNDAY 27/12/2020	Self Study	Principles of Immunization <i>RK</i>	Self Study	ENGLISH				Self Study	Introduction to Pathophysiology <i>WSWG</i>	Self Study
MONDAY 28/12/2020	Self Study	Clinical Immunology <i>NSMA</i>	Self Study	PBL 6 (A) <i>PBL Facilitators</i>				Self Study	ENGLISH	Self study
TUESDAY 29/12/2020	Self Study	Tissue Healing and Repair <i>SNMN</i>	Self Study	Epidemiology, Nomenclature & Characteristic of Tumour <i>WF</i>	Self Study			Carcinogenic Agents and Cellular Interaction <i>SNMN</i>	Oedema & congestion <i>NA</i>	Self Study
WEDNESDAY 30/12/2020	Self Study	Molecular Basis of Neoplasia I: Oncogene & Tumour Suppressor Genes <i>SHS</i>	Self Study	PBL 6 (B) <i>PBL Facilitators</i>				Self Study	Kursus Teras Keusahawanan (WUS 101/2) <i>JKP</i>	Self Study
THURSDAY 31/12/2020	Self Study			ENGLISH		Self Study	Formative Assessment 1: e-Quiz e-Learning	Self Study		

GROUP	BT	PBL TUTORS	GROUP	BT	PBL TUTORS	GROUP	BT	PBL TUTORS
1	1	Dr. Nurul Syazana Mohamad Shah (U.S.Rekonstruktif)	7	7	Dr. Zeti Norfidiyati Salmuna@Ayub (Mikrobiologi)	13	13	Dr. Marini Ramli (Hematologi)
2	2	PM Dr. Rafidah Hanim Shomiad (Mikrobiologi)	8	8	Dr. Siti Norasikin Binti Mohd Nafi (Patologi Kimia)	14	14	PM Dr.Sarina Sulong (Pusat.Genom Manusia)
3	3	Dr. Nur Arnida Mohd Safuwan (Patologi Kimia)	9	9	Dr. Tengku Ahmad Damitri Al-Astani Tengku Din (Patologi.Kimia)	15	15	PM Dr. Nor Azwany Yaacob (Perubatan Masyarakat)
4	4	Dr. Ramlah Kadir (Imunologi)	10	10	PM Dr. Che Badariah Ab. Aziz (Fisiologi)	16	16	PM Dr. Chan Yean Yean (Mikrobiologi)
5	5	Dr. Rohimah Mohamud (Imunologi)	11	11	Dr. Nor Asyikin Fadzil (Psikiatri)	17	17	PM Dr. Siti Asma' Hassan (Mikrobiologi)
6	6	Dr. Mohd Nazri Hassan (Hematologi)	12	12	Dr. Norsuhana Omar (Fisiologi)	18	18	Dr.Che Aisyah Nazariah Ismail (Fisiologi)

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WEEK: 4

MICROBIOLOGY, IMMUNOLOGY & PATHOLOGY COURSE (GMT104)

Course Coordinator:
P/M Dr Wong Kah Keng (Ext :6227)
email: kahkeng@usm.my

DAY/ TIME	8.30	9.00	10.00	11.00	12.00	L U N C H		2.00	3.00	4.00		
SUNDAY 3/1/2021	Self Study	Molecular basis of Neoplasia II: Angiogenesis, Metastasis and Stromal Microenvironments of Tumours <i>AIY</i>	Self Study	ENGLISH				Self Study	Clinical aspect of Tumours & Host Defense Against Tumours <i>MSFZ</i>	Self Study		
MONDAY 4/1/2021	Self Study	Acute Inflammation <i>AIY</i>	Self Study	PBL 7 (A) <i>Facilitators</i>				Self Study	ENGLISH		Self Study	
TUESDAY 5/1/2021	Self Study	Chronic Inflammation <i>AIY</i>	Self Study	Thromboembolic Disorder <i>SAM</i>	Self Study			GSL: Neoplasia <i>AIY</i>	Self Study	PRACTICAL: Neoplasia <i>WF, SAM & trainee lecturers</i>		Self Study
WEDNESDAY 6/1/2021	Self Study	PPIP Activity <i>NAY</i>		Self Study	PBL 7 (B) <i>Facilitators</i>			Self Study	Kursus Teras Keusahawanan (<i>WUS 101/2</i>) <i>JKP</i>		Self Study	
THURSDAY 7/1/2021	Self Study	Formative Assessment 2: e-Quiz/Kahoot e-Learning	Self Study	ENGLISH				Self Study				

GROUP	BT	PBL TUTORS	GROUP	BT	PBL TUTORS	GROUP	BT	PBL TUTORS
1	1	PM Dr. Wong Kah Keng (Imunologi)	7	7	Dr. Lee Si Yuen (Perubatan)	13	13	Dr. Rohimah Mohamud (Imunologi)
2	2	Dr. Muhamad Syahrul Fitri Zawawi (Ortopedik)	8	8	Dr. Nur Arnida Mohd Safuwan (Patologi Kimia)	14	14	Dr. Mohd Nazri Hassan (Hematologi)
3	3	Dr. Augustine Nengsih Fauzi (Patologi Kimia)	9	9	Dr. Ramlah Kadir (Imunologi)	15	15	Dr. Ainul Bahiyah Abu Bakar (Fisiologi)
4	4	PM Dr. Che Maraina Che Hussin (Imunologi)	10	10	Dr. Zeti Norfidiyati Salmuna@Ayub (Mikrobiologi)	16	16	Dr. Azalina Zainuddin (Patologi Kimia)
5	5	Dr. Norzila Ismail (Farmakologi)	11	11	Dr. Salziyan Badrin (Perubatan Keluarga)	17	17	Dr. Siti Norasikin Binti Mohd Nafi (Patologi)
6	6	Dr. Nurul Syazana Mohamad Shah (U.S.Rekonstruktif)	12	12	PM Dr. Muhammad Farid Johan (Hematologi)	18	18	Dr. Shazana Hilda Shamsuddin (Patologi)

COURSE COMMITTEE MEMBERS OF MICROBIOLOGY, IMMUNOLOGY & PATHOLOGY COURSE (GMT 104)

No	Initial	Name	E-Mail	Extension	Personal Webex link	Department
1.	AH	Prof. Madya Dr. Azian Harun	azian@usm.my	6282		MICROBIOLOGY
2.	RHS	Prof. Madya Dr. Rafidah Hanim Shomriad@Shueb	hanimkk@usm.my	6255	https://usm-cmr.webex.com/meet/hanimkk	
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4.	RBZ	Dr. Robaiza Zakaria	robaiza@usm.my	6965		
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7.	HH	Prof. Dr. Habsah Hassan	drhabsah@usm.my	6254	https://usm-cmr.webex.com/meet/drhabsah	
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9.	NI	Dr. Nabilah Hj Ismail	drnabilah@usm.my	6302		
10.	SAH	Prof. Madya Dr. Siti Asma' Hassan	sitiasmakb@usm.my	6826		
11.	ZZD	Prof. Dr. Zakuan Zainy Deris	zakuan@usm.my	6250		
12.	ZEE	Prof. Dr. Zeehaida Mohamad	zeehaida@usm.my	6256	https://usm-cmr.webex.com/meet/zeehaida	
13.	NHH	Dr. Nik Haszroel Hysham Nik Hashim	haszroel@usm.my	6246	https://usm-cmr.webex.com/meet/haszroel	
14.	CMCH	Prof. Madya Che Maraina Che Hussin	maraina@usm.my	6222	https://usm-cmr.webex.com/meet/maraina	
15.	NKY	Dr. Nurul Khaiza Yahya	nuruliza@usm.my	6224	https://usm-cmr.webex.com/meet/nuruliza	
16.	NSMA	Dr. Noor Suryani Mohd Ashari	suryani@usm.my	6225	https://usm-cmr.webex.com/meet/suryani	
17.	WKK	Prof. Madya Dr. Wong Kah Keng	kahkeng@usm.my	6227	https://usm-cmr.webex.com/meet/kahkeng	
18.	RM	Dr. Rohimah Mohamud	rohimahm@usm.my	6248	https://usm-cmr.webex.com/meet/rohimahm	
19.	NMR	Dr. Norhanani Mohd Redzwan	hanani.redzwan@usm.my	6130	https://usm-cmr.webex.com/meet/hanani.redzwan	
20.	RK	Dr. Ramlah Kadir	ramlahkadir@usm.my	6124	https://usm-cmr.webex.com/meet/ramlahkadir	PATHOLOGY
21.	NA	Dr. Nur Asyilla Binti Che Jalil	asyilla@usm.my	6949	https://usm-cmr.webex.com/meet/asyilla	
22.	AIY	Dr. Aidy Irman Yajid	aidy@usm.my	6464	https://usm-cmr.webex.com/meet/aidy	
23.	WF	Dr. Wan Faiziah Wan Abdul Rahman	wfaiziah@usm.my	6193	https://usm-cmr.webex.com/meet/wfaiziah	
24.	SAM	Dr. Seoparjoo Azmel Mohd Isa	seoparjooazmel@usm.my	6445	https://usm-cmr.webex.com/meet/seoparjooazmel	
25.	SNMN	Dr. Siti Norasikin Mohd Nafi	snmn@usm.my	6443	https://usm-cmr.webex.com/meet/snmn	
26.	SHS	Dr. Shazana Hilda Shamsuddin	shazana.hilda@usm.my	6617	https://usm-cmr.webex.com/meet/shazana.hilda	
27.	MSFZ	Dr. Muhamad Syahrul Fitri Zawawi	msf.zawawi@usm.my	6381	https://usm-cmr.webex.com/meet/msf.zawawi	ORTHOPAEDICS
28.	WSWG	Dr. Wan Syaheedah Wan Ghazali	syaheeda@usm.my	6177	https://usm-cmr.webex.com/meet/syaheeda	PHYSIOLOGY

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2	Dr. Mohamad Najib Mat Pa	drnajib@usm.my	6552	Pengerusi Jawatankuasa PBL / Jabatan Pendidikan Perubatan
3	Dr. Muhd. Al-Aarifin Ismail	alaarifin@usm.my	6558	Penyelaras e-learning / Jabatan Pendidikan Perubatan
4	Prof. Madya Dr. Mohd Hashairi Fauzi	hashairi@usm.my	6551	Penyelaras Unit MPG, Pusat Kemahiran Klinikal & BPSP
5	Puan Radia Banu Binti Jan Mohamad	radia_banu@usm.my	1474	Deputy Chief Librarian, Perpustakaan Hamdan Tahir
6	Puan Nurul Azurah Mohd Roni	azurah@usm.my	1478	Senior Librarian, Perpustakaan Hamdan Tahir
7	Puan Jayah K. Pubalan	jayahkp@usm.my	7550	Pensyarah Kursus WUS101/PPSK
8	Drs. Tuan Nordin Tuan Kechik	tnordin@usm.my	1262	Pengerusi Caw. Pusat Pengajian Bahasa, Literasi & Terjemahan
9	Puan Nor Zarinah Ismail	zarinahkb@usm.my	1080	Ketua Penolong Pengarah, Pejabat Aset & Operasi Universiti (PAO)
10	En. Mohd Rosdi Yahya	rosdikck@usm.my	6854	Unit AVA-UKAST, Pejabat Aset & Operasi Universiti (PAO)
11	En. Nareeman Shah Che Muhamad	nareeman@usm.my	1355	Pusat Pengetahuan Komunikasi & Teknologi (PPKT)
12	Puan Roslena Abd. Rashid	roslena@usm.my	1125	
13	En Mohammad Kasni Ismail	kasni@usm.my	1360	Jabatan Keselamatan
14	En. Maarof Salleh	maarof1@usm.my	6854	Unit MPG
15	Puan Norhasimah Mamat@Mukhtar	norhasimah@usm.my		
16	Puan Noza Nawi	noza@usm.my	6182	Blok Pembelajaran & Sumber Pelajar (BPSP)
17	En. Muhamad Iqbal Bashah Bin Ahmad Bashah	iqbalbashah@usm.my	6119/6119	

Notes:

- ◆ All lectures, practicals, PBLs and seminars are held via online platforms (Webex, Teams etc).
- ◆ End of Course Feedback is conducted through e-learning
- ◆ Course Coordinator should be informed for any changes made in the Timetable.
- ◆ **GSL:** Guided Self Learning

Approved by:



(ASSOC. PROF. DR. ZUL IZHAR MOHD.ISMAIL)

Phase 1 Chairperson

Date : 3. DISEMBER. 2020