

JADUAL WAKTU KULIAH & PEPERIKSAAN (JWKP) ISB SEMESTER 1 SESI 2019/2020

PROGRAM TAHAP 1 SESI 2019/20 (SEMESTER 1)									
Kod Kursus	Bil. Jam Kredit (Jenis Kursus)	Tajuk Kursus	Masa	Hari	Tempat	Pensyarah	Bilangan Pelajar	Catatan	Tarikh & waktu peperiksaan
SIJ1001/ SHES1200	2 (T) MP: (PB 40% + PA 60%)	Proses Kehidupan <i>Life Process</i>	9.00 – 9.50	IR	Cempaka	<u>Dr Nurul Shamsinah Mohd Suhaimi</u> Dr. Zuliana Razali Dr Nurul Amalina Mohd Zain	150 + 10 5+5	SIO, SIJ, SIH, SIL, SIR & SMPIS (ALAM SEKITAR)	Jumaat 3/01/2020 8.30-10.30
SIL1001/ SHES1201	2 (T) MP: (PB 50% + PA 50%)	Biologi Sel <i>Cell Biology</i>	11.00–11.50	IR	Cempaka	<u>Dr. Lim Yat Yuen</u> PM Dr. Nazia Majid	150 + 25 5+5	SIO, SIK, SIV, SIE, & SMPIS (BIOLOGI)	Jumaat 10/01/2020 3.00-5.00
SIE1001/ SHES1202	2 (T) MP: (PB 40% + PA 60%)	Biologi Organisma <i>Organism Biology</i>	10.00–10.50	IR	Cempaka	<u>Dr Yong Kien Thai</u> Dr Sujatha Ramasamy PM Dr Yusoff Musa Dr Low Van Lun @ Lucas Low	150+5 5+5	SIJ, SIH, SIL, SIR, SIE & SIP	Selasa 7/01/2020 3.00-5.00
SIH1001/ SHES1203	SIH1001 MP: (PB 50% + PA 50%) SHES1203 MP: (PB 60% + PA 40%)	Biologi Populasi <i>Population Biology</i>	9.00 – 9.50	SK	Cempaka	<u>Dr Lau Beng Fye</u> Dr. Nur Kusaira Khairul Ikram	150+0 5+5	SIJ, SIH, SIL, SIR & SIP	Khamis 09/01/2020 3:00-5.00
SIK1001	2(P) MP: (PB 100%)	Amali Biologi <i>Biology Practical</i>	<u>Kump.A:</u> 9.00–11.50	SK	Mak Bio1	<u>Dr. Sujatha Ramasamy</u> Dr. Mohd Zuwairi Saiman PM Dr Yusof Musa Dr Nurul Amalina Mohd Zain PM Dr Siti Nursheena MZ Dr Nur Airina Muhammad Dr Sarah Abdul Razak	75	<u>Kump A:</u> SIT, SIK & SIV	Tiada peperiksaan
			<u>Kump.B:</u> 2.00 –4.50	SK	Mak Bio1	<u>Dr. Sujatha Ramasamy</u>	40+35		

						Dr Mohd Zuwairi Saiman Dr Nurul Shamsinah Dr Shamsul Azlin Dr Rosazlin Abdullah		<u>Kump B:</u> SIE, SIP & SMPIS (BIOLOGI)	
SIX1003/ SXEX1101	3(T) MP: (PB 50% + PA 50%)	Biostatistik <i>Biostatistics</i>	<u>Kump.A:</u> 3.00–3.50 3.00–4.40	I R	Cempaka	Dr Zubaidah Ya'cob (week 1-7) Dr. Amy Then Yee Hui (week 8-14)	80 5+5	<u>Kump A:</u> SIE, SIO & SMPIS (BIOLOGI)	Khamis 02/01/2020 11:30-1:30
			<u>Kump.B:</u> 3.00–3.50 3.00–4.40	I R	Melor	Dr Nor Hidayah Mohd Taufek (week 1-7) <u>Prof. Dr. Normaniza Osman</u> (week 8-14)	60 +20 5+5	<u>Kump B:</u> SIR, SIV & SMPIS (BIOLOGI)	

KURSUS ELEKTIF LUAR FAKULTI SESI 2019/20 (SEMESTER 1)

Kod Kursus	Bil. Jam Kredit (Jenis Kursus)	Tajuk Kursus	Masa	Hari	Tempat	Pensyarah	Bilangan Pelajar	Catatan	Tarikh & waktu peperiksaan
GIS1010	2(T) MP: (PB 40% + PA 60%)	Sistem Saraf Manusia <i>Human Nervous System</i>	9.00 – 10.50	R	SA3	<u>Prof. Dr Nurul Kabir</u>	30	Tidak boleh diambil oleh pelajar Fakulti Sains dan Fakulti Perubatan	Jumaat 03/01/2020 08:30-10:30
GIS1011	2(T) MP: (PB 40% + PA 60%)	Tumbuhan Ubatan <i>Medicinal Plants</i>	8.00 – 8.50	SK	Vanda	<u>PM Dr Jamaludin Mohamad</u>	100	Tidak boleh diambil oleh pelajar Fakulti Sains	Selasa 14/01/2020 3:00-5:00
GIS1012	2(T) MP: (PB 40% + PA 60%)	Nutrisi Sepanjang Hayat <i>Lifecycle Nutrition</i>	4.00 – 4.50	SK	Cempaka	<u>PM Dr Ahmad Salihin Baba</u>	200	Tidak boleh diambil oleh pelajar Fakulti Sains	Sabtu 11/01/2020 11:30-1:30
GIS1014	2(T) MP: (PB 40% + PA 60%)	Mikrobiologi Pengenalan <i>Introductory Microbiology</i>	2.00–3.50	R	BT17	<u>Dr Nurul Shamsinah binti Mohd Suhaimi</u>	25	Tidak boleh diambil oleh pelajar Fakulti Sains, pelajar Fakulti Perubatan dan pelajar Sains Gunaan dengan Pengajian Islam.	Jumaat 03/01/2020 3:00-5:00
GIS1015	2(N) MP: (PB 100%)	Genetik dan Anda <i>Genetics and You</i>	8.00 – 9.50	S	SA3	<u>PM Dr Nazia Abdul Majid</u>	25	Tidak boleh diambil oleh pelajar Fakulti Sains, pelajar Fakulti Perubatan dan pelajar Sains Gunaan dengan Pengajian Islam.	Tiada peperiksaan

KURSUS ELEKTIF LUAR JABATAN SESI 2019/20 (SEMESTER 1)

Kod Kursus	Bil. Jam Kredit (Jenis Kursus)	Tajuk Kursus	Masa	Hari	Tempat	Pensyarah	Bilangan Pelajar	Catatan	Tarikh & waktu peperiksaan
SHES1602/ SIX1007	3(T+P) MP: (PB 40% + PA 60%)	Fauna Malaysia <i>Malaysian Fauna</i>	5.00 – 5.50	IR	SA2	<u>Dr Hasmahzaiti Omar</u> Dr Nurul Asyikin	10 30	Tidak boleh diambil oleh pelajar Institut Sains Biologi	Isnin 06/01/2020 11:30-1:30
			2.00 – 4.50	R	B3.6				
SHES1603/ SIX1008	2(N) MP: (PB 100%)	Biokomputeran <i>Biocomputing</i>	9.00–11.00	R	Mak DG4	<u>Dr Teoh Teow Chong</u>	10 40	Tidak boleh diambil oleh pelajar Institut Sains Biologi	Tiada peperiksaan

PROGRAM BIOINFORMATIK SESI 2019/20 (SEMESTER 1)									
Kod Kursus/ Kertas Bersama	Bil. Jam Kredit (Jenis Kursus)	Tajuk Kursus	Masa	Hari	Tempat	Pensyarah	Bilangan Pelajar	Catatan	Tarikh & waktu peperiksaan
SIV 2001	3(T+P) MP: (PB 60% + PA 40%)	Pengantar Bioinformatik <i>Fundamentals of Bioinformatics</i>	10.00–10.50	IR	BIM1	<u>Dr. Saharuddin Mohamad</u>	30	SIL 1001 dan SIK 1001	Selasa 07/01/2020 3.00-5.00
		Amali	2.00–5.00	I	DG4				
SIV 2002	2(T) MP: (PB 40% + PA 60%)	Sistem-sistem & Proses-proses Biologi <i>Biological Systems and Processes</i>	12.00–12.50	IR	BIM1	PM Dr. Jamaludin Mohamad Dr Teoh Teow Chong	30	SIL 1001 dan SIK 1001	Isnin 06/01/2020 8:30-10:30
SIV 2004	3(T+P) MP: (PB 40% + PA 60%)	Pengaturcaraan Komputer <i>Computer Programming</i>	9.00– 9.50	SK	BIM1	<u>Dr. Sorayya Malek</u> (Pengajar sambilan)	30	SIX 1003	Isnin 13/01/2020 11:30-1:30
		Amali	2.00–5.00	S	BIM1				
SIV 2005	2 (T) MP: (PB 40% + PA 60%)	Biofizik dalam Bioinformatik <i>Biophysics in Bioinformatics</i>	11.00–11.50	IR	SD7	<u>Dr. M. Vijayan a/l Manickam Achari</u>	35	SIL 1001 dan SIK 1001	Jumaat 10/01/2020 3.00-5.00
SIV 3001	4 (N) MP: (PB 100%)	Projek Bioinformatik <i>Bioinformatics Project</i>	Tiada Kuliah			Penyelaras program Bioinformatik	Tiada had	SIV 2007 dan SIV 2008	Tiada peperiksaan
SIV 3003	2(T) MP: (PB 40% + PA 60%)	Analisis Turutan Molekular <i>Analysis of Molecular Sequences</i>	12.00–12.50	IR	SD6	<u>Dr. Saharuddin Mohamad</u>	30		Isnin 06/01/2020 8:30-10:30
SIV 3004	3(T+P) MP: (PB 60% + PA 40%)	Pengaturcaraan dalam Bioinformatik <i>Programming in Bioinformatic</i>	9.00–10.00	SK	BIM2	<u>Dr. Arpah Abu</u>	30	SIV 2004	Jumaat 10/01/2020 8:30-10:00
		Amali	2.00–5.00	I	BIM2				
SIV 2012	3(T+P)	Pemprosesan dan Analisa Bioimej				<u>Dr. Arpah Abu</u>	30	SIX 1003	Selasa 14/01/2020

	MP: (PB 60% + PA 40%)	<i>(Bio image processing and analysis)</i> Pemprosesan Imej dan Grafik dalam Biologi <i>Image Processing and Analysis in Biology</i>	8.00–8.50	SK	BM1				3:00-5:00
		Amali	2.00–4.50	R	BIM1				
SIV 3014	3(T+P) MP: (PB 60% + PA 40%)	Grafik dan Visualisasi Data dalam Bioinformatik <i>Graphics and Visualization Bioinformatics</i> Penggubahan Multimedia <i>Multimedia Authoring</i>	10.00–10.50	SK	BIM1	<u>Dr. Arpah Abu</u>	30		Rabu 08/01/2020 3:00-5:00
		Amali	2.00 – 4.50	K	BIM1				
SIV 3012	3(T+P) MP: (PB 40% + PA 60%)	Kecerdasan Komputer dalam Bioinformatik <i>Computational Intelligence in Bioinformatics</i>	11.00–12.00	IR	BIM2	<u>Dr. Chang Siow Wee</u>	30	SIV 2006	Jumaat 10/01/2020 3.00-5.00
		Amali	2.00–5.00	S	BIM2				
SIV 2014	3(T+P) MP: (PB 60% + PA 40%)	Interaksi Manusia dan Komputer <i>Human Computer Interaction</i>	11.00–11.50	SK	BIM1	<u>Dr. Sorayya Malek</u> (Pengajar sambilan)	30	SIV 2004	Sabtu 11/01/2020 3.00-5.00
SIV2003	3(T+A) MP: (PB 60% + PA 40%)	Sistem Pengendalian Komputer <i>Operating Systems</i>	12.00-12.50	SK	BIM2	<u>Dr. Chang Siow Wee</u> Dr. M. Vijayan a/l Manickam Achari	30		Rabu 08/01/2020 3:00-5:00
		Amali	2.00– 5.00	K					
SIV 3002	7 (N) (PB 100 %)	Latihan Industri Bioinformatik <i>Industrial Training in Bioinformatics</i>	Tiada Kuliah			<u>Dr. Chang Siow Wee</u>	30		Tiada peperiksaan
SIV 3006	2(T) MP: (PB 40% + PA 60%)	Genomik <i>Genomic</i>	10.00-10.50	IR	SD7	Prof. Dr. Amir Feisal Merican	30		Selasa 07/01/2020 3.00-5.00

PROGRAM BIOKIMIA SESI 2019/20 (SEMESTER 1)									
Kod Kursus/ Kertas Bersama	Bil. Jam Kredit (Jenis Kursus)	Tajuk Kursus	Masa	Hari	Tempat	Pensyarah	Bilangan Pelajar	Catatan	Tarikh & waktu peperiksaan
SIJ2001	3 (T) MP: (PB 40% + PA 60%)	Prinsip Analisis Biokimia <i>Principles of Biochemical Analysis</i>	11.00–11.50	IRJ	SBK	PM Dr Saiful Anuar Karsani PM Dr Zazali Alias	60		Jumaat 10/01/2020 3.00-5.00
SIJ2002/ SHED2201	3 (T) MP: (PB 40% + PA 60%)	Struktur Dan Fungsi Biomolekul <i>Structure and Function of Biomolecules</i>	10.00–11.50	S	SBK	PM Dr Norhaniza Aminudin	60		Rabu 08/01/2020 3.00-5:00
			10.00–10.50	K			10		
SIJ2003	3 (T) MP: (PB 40% + PA 60%)	Energetik, Metabolisma dan Pengawalaturan Karbohidrat & Lipid <i>Energetics, Metabolism and Regulation of Carbohydrate and Lipids</i>	10.00–10.50	IRJ	SBK	PM Dr Sim Kae Shin	60		Selasa 07/01/2020 3:00-5:00
SIJ2006/ SHED2205	3 (T) MP: (PB 40% + PA 60%)	Biokimia Protein/ Struktur & Fungsi Protein <i>Protein Biochemistry/ Protein: Structure and Function</i>	12.00–12.50	S	SBK	Prof. Dr Saad Tayyab	60		Khamis 02/01/2020 8:30-10:30
			11.00–12.50	K			10		
SIJ2008	4 (P) MP: (PB 100%)	Amali Biokimia I <i>Biochemistry Practical I</i>	2.00–4.50	ISK	BK1	PM Dr Zazali Alias PM Dr Adawiyah Suriza Shuib PM Dr Ahmad Salihin Baba PM Dr Norhaniza Aminudin PM Dr Saiful Anuar Karsani PM Dr Sim Kae Shin Dr Gokula Mohan Dr Zuliana Razali	30		Tiada peperiksaan
SIJ2011	3 (T) MP: (PB 40% + PA 60%)	Biokimia Alam Sekitar <i>Environmental Biochemistry</i>	2.00-3.50	I	SBK	PM Dr Zazali Alias	30		Jumaat 03/01/2020 3:00-5:00
			2.00-2.50	R					
SIJ2012	3 (T) MP: (PB 40% + PA 60%)	Biokimia Nutrisi <i>Nutritional Biochemistry</i>	9.00–9.50	IRJ	SBK	PM Dr Ahmad Salihin Baba	30		Jumaat 3/01/2020 8.30-10.30
SIJ3001/ SHED3187	10 (N) MP: (PB 100%)	Projek Penyelidikan Biokimia/ Projek Biokimia	Tiada Kuliah			PM Dr Ahmad Salihin Baba Prof Dr Saad Tayyab PM Dr Saiful Anuar Karsani	Tiada had		Tiada peperiksaan

		<i>Research Project in Biochemistry/ Biochemistry Project</i>				PM Dr Zazali Alias PM Dr Adawiyah Suriza Shuib PM Dr Norhaniza Aminudin PM Dr Sim Kae Shin Dr Gokula Mohan Dr Zuliana Razali			
SIJ3003/ SHED3104	3 (T) MP: (PB 40% + PA 60%)	Biologi Molekul Tumbuhan/Biokimia Tumbuhan & Biologi Molekul <i>Plant Molecular Biology/ Plant Biochemistry and Molecular Biology</i>	2.00–2.50	S	SBK	<u>Dr Zuliana Razali</u>	30 10		Isnin 06/01/2020 3:00-5:00
			2.00–3.50	K	SBK				
SIJ3005/ SHED3106	3 (T) MP: (PB 50% + PA 50%)	Imunologi Sel dan Molekul/Imunologi Molekul <i>Cellular & Molecular Immunology/ Molecular Immunology</i>	3.00–4.50	S	SBK	<u>PM Dr Adawiyah Suriza Shuib</u>	30 10		Selasa 14/01/2020 11:30-1:00
			4.00–4.50	K	SBK				
SIJ3007; SHED3102	3 (T); 2 (T) MP: (PB 40% + PA 60%)	Membran, Hormon dan Pengisyratan Sel; Biokimia Membran dan Transduksi Isyarat <i>Membrane, Hormone and Cell signaling; Membrane Biochemistry & Signal Transduction</i>	9.00–10.50	S	SE9	<u>PM Dr Adawiyah Suriza Shuib</u>	30 10		Jumaat 10/01/2020 8:30-10:30
			9.00–9.50	K					
SIJ3008/ SHED3201	3 (T) MP: (PB 40% + PA 60%)	Biologi Molekul Lanjutan/Biologi Molekul II <i>Advanced Molecular Biology Molecular Biology II</i>	9.00–9.50	IRJ	SE9	<u>PM Dr Saiful Anuar Karsani</u>	30 10		Jumaat 3/01/2020 8.30-10.30
SIJ3010; SHED3103	3 (T); 2 (T) MP: (PB 40% + PA 60%)	Biokimia Farmakologi; Biokimia Toksikologi <i>Biochemical Pharmacology; Biochemical Toxicology</i>	12.00-1.15	IR	SE9	<u>PM Dr Zazali Alias</u> <u>PM Dr Norhaniza Aminudin</u>	30 10		Isnin 6/01/2020 8.30-10.30
SIJ3011/ SHED3304	3 (T) MP: (PB 40% + PA 60%)	Teknologi Pasca-genomik dan Bioinformatik/Teknologi Pasca-genomik <i>Post-genomic Technology & Bioinformatics/Post-genomic Technology</i>	8.00-8.50	IRJ	SBK	<u>PM Dr Saiful Anuar Karsani</u>	30 10		Khamis 02/01/2020 3:00-5:00

SIJ3013/ SHED3303	3 (T) MP: (PB 40% + PA 60%)	Biokimia Hasil Semulajadi dan Penemuan Ubatan/ Biokimia Hasil Semulajadi <i>Natural Product and Drug Discovery/Natural Product Biochemistry</i>	11.00-11.50	I	SE9	<u>PM Dr Norhaniza Aminudin</u>	30 10		Jumaat, 10/01/2020 3:00-5:00
			10.00-11.50	R					
SIJ3015	3 (T) MP: (PB 40% + PA 60%)	Epigenetik dan Biologi RNA <i>Epigenetics & RNA Biology</i>	12.00-1.15	SK	SE9	<u>Dr Gokula Mohan</u> Dr Zuliana Razali	30		Khamis 02/01/2020 8:30-10:30
SIJ3016	3 (T) MP: (PB 40% + PA 60%)	Biokimia Kanser <i>Biochemistry of Cancer</i>	11.00-11.50	S	SE9	<u>Dr Gokula Mohan</u> PM Dr Sim Kae Shin	30		Sabtu 11/01/2020 3:00-5:00
			10.00-11.50	K					

PROGRAM EKOLOGI BIODIVERSITI SESI 2019/20 (SEMESTER 1)

Kod Kursus	Bil. Jam Kredit (Jenis Kursus)	Tajuk Kursus	Masa	Hari	Tempat	Pensyarah	Bilangan Pelajar	Catatan	Tarikh & waktu peperiksaan
SIE2002	4(T+P) MP: (PB 60% + PA 40%)	Kepelbagaian Tumbuhan (<i>Plant Diversity</i>)	9.00-10.50 9.00-9.50	I R	BS9 & BS10, KDK	<u>Dr Yong Kien Thai</u> Dr Sugumaran Manickam	31		Jumaat 3/01/2020 8.30-10.30
		Amali	2.00-4.50	R	PEB1				
SIE2003	4(T+P) MP: (PB 60% + PA 40%)	Biologi Invertebrata (<i>Invertebrate Biology</i>)	9.00-10.50 9.00-9.50	S K	SA2	<u>Dr Azidah Abdul Aziz</u> Dr Nurul Ashikin Abdullah	31		Isnin 06/01/2020 3.00-5.00
		Amali	2.00-4.50	S	PEB2				
SIE2005	4(T+P) MP: (PB 60% + PA 40%)	Biologi Vertebrata (<i>Vertebrate Biology</i>)	11.00-11.50 10.00-11.50	S K	SA2	<u>PM Dr Rosli Ramli</u>	31		Sabtu 11/01/2020 3:00-5:00
		Amali	2.00-4.50	K	PEB2				
SIE2008	3(T+P) MP: (PB 50% + PA 50%)	Struktur, Fungsi & Fisiologi Tumbuhan (<i>Plant Structure, Function and Fisiology</i>)	12.00-12.50	IR	SA2	<u>PM Dr Md Yusoff Musa</u> Dr Nurul Amalina Mohd Zain	31		Isnin 6/01/2020 8.30-10.30
		Amali	2.00-4.50	I	Mak. Projek PEB1				
SIE2010	3(T+P) MP: (PB 50% + PA 50%)	Zoologi Bandar (<i>Urban Zoology</i>)	11.00-11.50	IR	SA3	<u>Dr Hasmahzaiti Omar</u>	31		Jumaat 10/01/2020 3.00-5.00
		Amali	9.00-11.50	J	PEB1				
SIE2011	3(T+P) MP: (PB 60% + PA 40%)	Ekologi Terrestrial (<i>Terrestrial Ecology</i>)	3.00-5.50	J	Rimba Ilmu	<u>Dr Sugumaran Manickam</u> Dr Yong Kien Thai	31		Khamis 02/01/2020 11:30-1:30
		Tutorial/kerjalapangan	9.00-11.50	Sb	Rimba Ilmu				
SIE3003	3(T+P) MP: (PB 50% + PA 50%)	Urus Tadbir Biodiversiti Dan Konservasi (<i>Biodiversity Governance and Conservation</i>)	12.00-12.50	IR	SA3	<u>Dr Nurul Ashikin Abdullah</u> Dr Yong Kien Thai	50		Isnin 6/01/2020 8.30-10.30
		Amali	2.00-4.50	K	PEB1				

SIE3004	3(T+P) MP: (PB 60% + PA 40%)	Ekologi Kuantitatif (<i>Quantitative Ecology</i>)	9.00-9.50	SK	SB4	Dr Shakirin Mispan Dr Amy Then Yee Hui	20		Jumaat 10/01/2020 8:30-10:30
		Amali	2.00-4.50	S	PEB1 (ming.1-7) Mak. Komp. (Ming.8-14)				
SIE3006	3(T+P) MP: (PB 50% + PA 50%)	Botani Ekonomi (<i>Economic Botany</i>)	11.00-11.50	IR	SA2	Dr Sugumaran Manickam PM Dr Md Yusoff Musa	20		Jumaat 10/01/2020 3.00-5.00
		Amali	2.00-4.50	I	PEB1/ Rimba Ilmu				
SIE3008	3(T+P) MP: PB 40% + PA 60%	Ekologi dan Pengurusan Tanah Lembap (<i>Wetland Ecology and Management</i>)	11.00-11.50	IR	SB4	Dr Sarah Abdul Razak	20		Jumaat 10/01/2020 3.00-5.00
		Amali	10.00-12.50	K	PEB1				
SIE3012/ SHEE3310	3(T+P) MP: (PB 50% + PA 50%)	Parasitologi (<i>Parasitology</i>)	9.00-9.50	IR	SB4	Dr Nurul Ashikin Abdullah Dr Azidah Abdul Aziz	20 1		Jumaat 3/01/2020 8.30-10.30
		Amali	2.00-4.50	I	PEB2				
SIE3014	3(T+P) MP: (PB 60% + PA 40%)	Pengurusan Perosak Bersepadu (<i>Intergated Pest Management</i>)	10.00-10.50	IR	SB4	Dr Azidah Abdul Aziz	20		Selasa 07/01/2020 3:00-5:00
		Amali	2.00-4.50	R	PEB2				
SIE3016/ SHEE3323	3(T+P) MP: (PB 60% + PA 40%)	Ekologi dan Pengurusan Tanih (<i>Soil Ecology and Management</i>)	10.00-10.50	IR	SA2	Dr Muhamad Shakirin Mispan	20 1		Selasa 07/01/2020 3:00-5:00
		Amali	2.00-4.50	R	PEB3				
SIE3001	10 (N) MP: (PB 100%)	Projek Penyelidikan Ekologi dan Biodiversiti (<i>Research Project in Ecology and Biodiversity</i>)	Tiada Kuliah			Dr Nurul Amalina Mohd Zain	Tiada had		Tiada Peperiksaan

PROGRAM SAINS PENGURUSAN ALAM SEKITAR SESI 2019/2020 (SEMESTER 1)									
Kod Kursus	Bil. Jam Kredit (Jenis Kursus)	Tajuk Kursus	Masa	Hari	Tempat	Pensyarah	Bilangan Pelajar	Catatan	Tarikh & waktu peperiksaan
SIH1002	2(T)	Kimia Alam Sekitar <i>(Environmental Chemistry)</i>	11.00-11.50	SK	SA1	<u>Dr. Rosazlin Abdullah</u>	40	Hanya untuk pelajar SPAS_SAINS Elektif untuk pelajar S&T	Sabtu 11/01/2020 3:00-5:00
SIH2001	2(T) MP: (PB 100%)	Kaedah Penyelidikan <i>(Research Methods)</i>	8.00 – 9.50	R	BS3 & 4 KDK	<u>Dr. Adi Ainurzaman Jamaludin</u>	30+15	Hanya untuk pelajar SPAS_SAINS dan SMPIS (ALAM SEKITAR)	Tiada Peperiksaan
SHEH2104/ SIH2004	2(T)	Pencemaran Alam Sekitar <i>(Environmental Pollution)</i>	10.00 – 10.50	SK	SA1	<u>Dr. Lau Beng Fye</u>	10 40	Hanya untuk pelajar SPAS_SAINS Elektif untuk pelajar S&T	Rabu 08/01/2020 3:00-5:00
SHEH2107/ SIH 2007	3(T+P)	Pengenalan kepada Pengurusan Pepejal <i>(Introduction to Waste Management)</i> Prinsip Pengurusan Sisa <i>(Principles of Waste Management)</i>	11.00–11.50	IR	Ixora	<u>PM Dr Noor Zalina Mahmood</u> <u>Dr Fauziah Shahul Hamid</u>	5+5 40	Hanya untuk pelajar SPAS_SAINS dan SPAS_SGPI Elektif untuk pelajar S&T	Jumaat 10/01/2020 3.00-5.00
		Amali	2.00 – 4.50	I	SPAS1				
SHEH2106/ SIH2006	3(T+P)	Pemantauan Biologi <i>(Biological Monitoring)</i>	12.00 - 12.50	IR	Cempaka	<u>Dr. Lau Beng Fye</u>	5+5 30+12	Hanya untuk pelajar SPAS_SAINS, SPAS_SGPI dan SMPIS (ALAM SEKITAR)	Isnin 6/01/2020 8.30-10.30
		Amali	2.00 – 4.50	R	SPAS2				
SIH2011	3(T+P)	Pengurusan Sumber Persisiran Pantai <i>(Management of Coastal Resources)</i>	11.00 – 11.50	SK	SA3	<u>PM Dr. Rozainah Mohd Zakaria</u>	15	Hanya untuk pelajar SPAS_SAINS	Sabtu 11/01/2020 3:00-5:00

		Amali	2.00 – 4.50	K	SPAS 2				
SIH2012	2(T)	Perubahan Iklim dan Sains Tenaga (<i>Climate Change and Energy Science</i>)	12.00 – 12.50	IR	SB4	<u>Dr. Zul Ilham Zulkiflee Lubes</u>	40	Hanya untuk pelajar SPAS_SAINS Elektif untuk pelajar S&T	Isnin 6/01/2020 8.30-10.30
SIH2014	2(T)	Forensik Alam Sekitar (<i>Environmental Forensic</i>)	10.00 - 10.50	IR	Ixora	<u>PM Dr. Noor Zalina Mahmood</u>	30	Hanya untuk pelajar SPAS_SAINS	Selasa 07/01/2020 3:00-5:00
SHEH3103/ SIH3005	3(T+P)	Penilaian Impak Alam Sekitar (<i>Environment Impact Assessment</i>)	10.00-10.50	SK	SA3	<u>PM Dr. Ghufuran Redzwan</u>	10 + 30	Hanya untuk pelajar SPAS_SAINS dan SPAS_SGPI	Rabu 08/01/2020 3:00-5:00
		Amali	2.00 – 4.50	S	SPAS2				
SHEH3101/ SIH3003	3(T+P)	Ekologi (<i>Ecology</i>)	9.00-9.50	IR	SA2	<u>PM Dr. Rozainah Mohd Zakaria</u>	5+5 30	Hanya untuk Pelajar SPAS_SAINS	Jumaat 3/01/2020 8.30-10.30
		Amali	2.00 – 4.50	I	SPAS2				
SHEH3106/ SIH3007	3(T+P)	Pengurusan Sisa Bersepadu (<i>Integrated Waste Management</i>)	12.00-12.50	IR	DK1	<u>Dr. Fauziah Shahul Hamid</u>	5+5 30	Hanya untuk Pelajar SPAS_SAINS. Elektif untuk SGPI	Isnin 13/01/2020 8.30-10.30
		Amali	2.00 – 4.50	R	SPAS1				
SHEH3189/ SHEH4180/ SIH3001	10 (N) MP: (PB 100%)	Projek Sains dan Pengurusan Alam Sekitar (<i>Environmental Science and Management Project</i>)	Tiada Kuliah			<u>Dr. Adi Ainurzaman Jamaludin</u>	Tiada Had	Semester 5 dan Lengkap 50 kredit	Tiada peperiksaan
SIH3009	3(T+P)	Teknik Eko-kejuruteraan Cerun (<i>Slope Eco-engineering Techniques</i>)	10.00-10.50	SK	SB4	<u>Prof. Dr. Normaniza Osman</u>	30		Rabu 08/01/2020 3:00-5:00
		Amali	2.00 - 4.50	S	SPAS 1				
SHEH3304/ SIH3013	3(T)	Pengurusan Air dan Air Sisa (<i>Water and Wastewater Management</i>)	12.00-1.15	SK	SA2	<u>PM Dr. Ghufuran Redzwan</u>	5+5 40	Hanya untuk pelajar SPAS_SAINS Elektif untuk pelajar S&T	Khamis 02/01/2020 8:30-10:30

SHEH3303/ SIH3010	3(T+P)	Sistem Maklumat Geografi Lanjutan/Analisis Geospacial <i>(Advanced Geographic Information System/ Geospacial Analysis)</i>	11.00-11.50	SK	SB4	<u>PM Dr. Ghufan Redzwan</u>	5+5 30	Telah melengkapkan SHEH2304 dengan gred minima B+	Sabtu 11/01/2020 3:00-5:00
		Amali	2.00-4.50	K	Mak Projek SPAS				
SIH3011	3(T+P)	Pertanian dan Alam Sekitar <i>(Agriculture and Environment)</i>	12.00-12.50	SK	SA1	<u>Dr. Rosazlin Abdullah</u>	30		Khamis 02/01/2020 8.30-10:30
		Amali	2.00 - 4.50	K	SPAS1				
SIH3015	3(T+P)	Konsep dan Aplikasi Bioklimatik <i>(Bioclimatic Concept and Applications)</i>	10.00 - 10.50	I	SA3	<u>Dr. Adi Ainurzaman Jamaludin</u>	30		Selasa 07/01/2020 3:00-5:00
				R	SA1				
		Amali	9.00 - 11.50	J	SPAS2				
SHEH3305/ SIH3016	3(T+P)	Environmental Risk Assessment <i>(Environmental Risk Assessment)</i>	8.00 - 8.50	SK	SB4	<u>PM Dr. Ghufan Redzwan</u>	5+5 40	Hanya untuk pelajar SPAS_SAINS Elektif untuk pelajar S&T	Selasa 14/01/2020 3:00-5:00
		Amali	2.00 - 4.50	I	Mak Projek SPAS				
SHEH3399/ SHEH4190/ SIH3002	5 (N) MP: (PB 100%)	Latihan Industri Sains Pengurusan Alam Sekitar <i>(Industrial Training in Science and Environmental Management)</i>	Tiada Kuliah			<u>Dr. Rosazlin Abdullah</u>	Tiada had	Tidak boleh diambil bersama kursus lain yang ada kuliah. Telah melengkapkan 4 semester	Tiada peperiksaan

PROGRAM BIOKESIHATAN SESI 2019/2020 (SEMESTER 1)									
Kod Kursus (Course Code)	Bil. Jam Kredit (Jenis Kursus) (Credit Hours)	Tajuk Kursus (Course Title)	Masa (Time)	Hari (Day)	Tempat (Venue)	Pensyarah (Lecturer)	Bilangan Pelajar (Capacity)	Catatan (Notes)	Tarikh & Waktu Peperiksaan (Exam Date & Time)
SIK2003/ SHEK2201	3(T) MP: (PB 40% + PA 60%)	Biokimia Am <i>General Biochemistry</i> Biokimia Asas <i>Basic Biochemistry</i>	8.00–8.50	IRJ	Ixora	<u>Dr Gokula Mohan</u>	30 5+10	Kursus elektif bagi SIV.	Khamis 02/01/2020 3:00-5:00
SIK2004/ SHEK2102	3(T) MP: (PB 40% + PA 60%)	Fisiologi Manusia dan Haiwan <i>Human and Animal Physiology</i>	12.00–12.50	I	DK2	<u>Dr Shamsul Azlin</u>	30 5+10		Jumaat 10/01/2020 3.00-5.00
			11.00–12.50	R					
SIK2005/ SHEK2307	3(T) MP: (PB 40% +PA 60%)	Fitokimia <i>Phytochemistry</i>	2.00–3.50	I	Melati	<u>PM Dr Jamaludin Mohamad</u>	30 5+10		Rabu 08/01/2020 11.30-1.30
			2.00-2.50	R	Melor				
SIK2006/ SHEK2105	3(T+P) MP: (PB 50% + PA 50%)	Genetik Am Manusia <i>General Human Genetics</i>	9.00–9.50	IR	Ixora	<u>Dr Yusrizam Sharifuddin</u>	30 5+10		Jumaat 3/01/2020 8.30-10.30
		Amali	2.00–4.50	S	BS5&6				
SIK2007/ SHEK2103	3(T+P) MP: (PB 50% + PA 50%)	Histologi <i>Histology</i>	12.00–12.50	SK	BS1	<u>Dr Tiong Yin Xin Sheena</u> PM Dr Durriyyah Sharifah Hasan Dr Nurul Kabir	20 0+2	SIK2007- 12 pelajar SIK & 8 pelajar SIP.	Isnin 06/01/2020 3.00-5.00
		Amali	2.00–4.50	K	SBK123				
SIK2008/ SHEK2104	3(T) MP: (PB 40% +PA 60%)	Imunologi Am <i>General Immunology</i>	10.00-11.50	I	Melor	<u>PM Dr Nurhayati Zainal Abidin.</u>	30 5+10		Selasa 07/01/2020 3.00-5.00
			5.00- 5.50	R	SA1				
SIK2010/ SHEK2202	2(T) MP: (PB 40% + PA 60%)	Parasitologi Perubatan <i>Medical Parasitology</i>	8.00–8.50	SK	Ixora	<u>Dr Norhidayu Sahimin</u>	30 5+10		Selasa 14/01/2020 3:00-5:00
SIK2011/ SHEK2305	3(T) MP: (PB 40% + 60%)	Etnobotani <i>Ethnobotany</i>	4.00-4.50	I	SA1	<u>Dr Sujatha a/p Ramasamy</u>	30 5+10		Sabtu 04/01/2020 8.30-10.30
			3.00-4.50	R					

SIK3001/ SHEK3183/ SHEK4180	10(N) MP: (PB 100%)	Projek Penyelidikan Sains Biokesihatan <i>Research Project in Biohealth Science</i> Projek Sains Biokesihatan <i>Biohealth Science Project</i>	Tiada Kuliah			<u>PM Dr Nurhayati Zainal Abidin</u> , semua pensyarah SBK	Tiada had		Tiada peperiksaan
SIK3003/ SHEK3173	2(P) MP: (PB 100%)	Kemahiran Penyelidikan Lanjutan Sains Biokesihatan <i>Advanced Research Skills in Biohealth Science</i> Amali Sains Biokesihatan II <i>Biohealth Science Practical I</i>	10.00–12.50	SK	SBK123	<u>Dr Nur Airina Muhammad</u> PM Dr Nurhayati Zainal Abidin PM Dr Jamaludin Mohamad PM Dr Siti Nursheena Md. Zain Dr Yusrizam Sharifuddin	30 5+10		Tiada peperiksaan
SIK3004; SHEK3102	3(T) MP: (PB 40% + PA 60%) 2(T) MP: (PB 40% + PA 60%)	Biologi Hormon <i>Biology of Hormones</i>	10.00–11.50	I	SA1	<u>PM Dr Siti Nursheena Md. Zain</u>	30 5+10		Khamis 09/01/2020 8.30–10.30
			1.00–1.50	R	SA1				
SIK3006/ SHEK3201	3(T+A) MP: (PB 40% + PA 60%)	Neurobiologi <i>Neurobiology</i>	12.00–12.50	IR	SA1	<u>PM Dr Durriyyah Sharifah Hasan</u> Dr Tiong Yin Xin Sheena	20 5+10		Isnin 6/01/2020 8.30–10.30
		Amali	2.00–4.50	S	SBK123				
SIK3007	2(T) MP: (PB 100%)	Kemahiran Komunikasi Sainifik <i>Scientific Communication Skills</i>	8.00–9.50	K	SA1	<u>Dr Yusrizam Sharifuddin</u> Dr Sujatha Ramasamy	30		Tiada peperiksaan
SIK3008/ SHEK3305	2(T) MP: (PB 40% + PA 60%)	Analisis Dadah <i>Analysis of Drugs</i>	3.00–4.50	K	SE9	<u>Dr Nur Airina Muhammad</u>	30 5+10		Sabtu 11/01/2020 11:30–1:30
SIK3010/ SHEK3101	3(T) MP: (PB 40% + PA 60%)	Biokimia Analisis <i>Analytical Biochemistry</i>	4.00–5.50	I	SE9	<u>Dr Nur Airina Muhammad</u>	30 5+10		Sabtu 04/01/2020 8:30–10:30
			5.00–5.50	R					
SIK3018/ SHEK3104	2(T) MP: (PB 40% + PA 60%)	Metabolisme Primer <i>Primary Metabolism</i>	8.00–8.50	RJ	SA3	<u>PM Dr Jamaludin Mohamad</u>	30 5+10		Khamis 02/01/2020 3:00–5:00

SIK3019/ SHEK3303	3(T) MP: (PB 40% + PA 60%)	Penyakit Kronik <i>Chronic Diseases</i>	5.00-6.15	SK	SE9	<u>PM Dr Nurhayati Zainal Abidin</u>	30 5+10		Selasa 07/01/2020 11:30-1.30
SIK3022/ SHEK3307	3(T) MP: (PB 40% + PA 60%)	Taksonomi dalam Penyelidikan Tumbuhan Ubatan <i>Taxonomy in Medicinal Plant Research</i>	2.00–3.50	I	SA1	<u>Dr Sujatha Ramasamy</u>	30 5+10		Jumaat 03/01/2020 3:00-5:00
		Taksonomi dan Tumbuhan Ubatan <i>Taxonomy and Medicinal Plants</i>	2.00–2.50	R					
SIK3023/ SHEK3372	2(P) MP: (PB 100%)	Teknik-teknik Bioasei <i>Bioassay Techniques</i>	9.00–11.50	R	SBK123	<u>PM Dr Jamaludin Mohamad</u> dan semua pensyarah	25 5+5		Tiada peperiksaan
			10.00–12.50	J					
SIK3024/ SHEK3373	(3T) MP: (PB 100%)	Topik Semasa Sains Biokesihatan <i>Current Topics in Biohealth Science</i>	3.00-4.50	R	SE9	<u>Prof. Dr Salmah Ismail</u>	30 5+10		Tiada peperiksaan
		Topik Khas Sains Biokesihatan <i>Special Topics in Biohealth Science</i>	2.00-2.50	K					
SIK3002	7(P) MP: (PB 100%)	Latihan Industri Sains Biokesihatan <i>Industrial Training in Biohealth Science</i>	9.00–4.50	A	Luar kampus	<u>PM Dr Jamaludin Mohamad</u>	Tiada had		Tiada peperiksaan

PROGRAM GENETIK DAN BIOLOGI MOLEKUL SESI 2019/20 (SEMESTER 1)

Kod Kursus	Bil. Jam Kredit (Jenis Kursus)	Tajuk Kursus	Masa	Hari	Tempat	Pensyarah	Bilangan Pelajar	Catatan	Tarikh & waktu peperiksaan
SIL2001/ SHEN2131	3(T+P) MP: (PB 40% + PA 60%)	Asas Proses-Proses Mikrob <i>Fundamentals of Microbial Processes</i>	8.00–8.50	SK	B6	PM Dr. Chan Kok Gan Prof. Dr. Jennifer Harikrishna	60 10+5	SIL1001; Only for students from Genetics Programme	Selasa 14/01/2020 3:00-5:00
		Amali (Mgu 1-7)	2.00 – 4.50	S	GM2.2				
SIL2002/ SHEN2140	3(T+P) MP: (PB 40% + PA 60%)	Sitogenetik <i>Cytogenetics</i>	11.00-11.50	SK	BT18	PM Dr. Ng Ching Ching	60 10+5	SIL1001	Sabtu 11/01/2020 3:00-5:00
		Amali (Mgu 8 – 14)	2.00 – 4.50	K	GBM2.2				
SIL2006/ SHEN2145	3(T+P) MP: (PB 40% + PA 60%)	Genetik Populasi <i>Population Genetics</i>	9.00-9.50	IR	BT18	PM Dr. Subha Bhassu	40 10	SIL1001	Jumaat 3/01/2020 8.30-10.30
		Amali (Mgu 8 – 14)	2.00 – 4.50	I	GBM1 Mak Komp				
SIL2004/ SHEN2143	3(T+P) MP: (PB 40% + PA 60%)	Bioinformatik dan Filogenetik <i>Bioinformatics and Phylogenetics</i>	12-12.50	IR	B6	Dr. Yeoh Suat Hui Dr. Lim Yat Yuen, Dr. Mohammed Rizman Idid	50 10	SIL1001; Only for students from Genetics Programme	Isnin 6/01/2020 8.30-10.30
		Amali (Mgu 1-7)	2.00-4.50	R	GBM1/ Mak Komp				
SIL2008/ SHEN2241	3(T+P) MP: (PB 40% + PA 60%)	Genetik Molekul <i>Molecular Genetics</i>	9.00 – 9.50	SK	B6	Dr Nur Ardiyana Rejab	60 10+5	SIL1001	Jumaat 10/01/2020 8:30-10:30
		Amali (Mgu 1-7)	2.00 – 4.50	K	GBM2.2				
SIL2009/ SHEN2242	3(T+P) MP: (PB 40% + PA 60%)	Teknologi DNA Rekombinan <i>Recombinant DNA Technology</i>	8.00 – 8.50	IR	SE9	PM Dr Chan Kok Gan PM Dr Nazia Abdul Majid	70 20+10	SIL1001	Khamisi 02/01/2020 3:00-5:00
		Amali (Mgu 8 – 14)	2.00 – 4.50	R	GBM2.2				
SIL2010/ SHEN2252	3(T+P)	Immunogenetik <i>Immunogenetics</i>	10.00 -10.50	SK	B6	Prof. Dr. Noor Hasima NP	40 10+10	SIL1001	Rabu 08/01/2020

	MP: (PB 40% + PA 60%)	Amali (Mgu 8-14)	2.00 – 4.50	S	GBM1	Dr Norhafiza Mohd Arshad			3:00-5:00
SHEN2343	3(T+P) MP: (PB 40% + PA 60%)	Genetik Tumbuhan Dan Haiwan <i>Plant and Animal Genetics</i>	9.00-9.50	IR	Bilik seminar D2	<u>Dr. Teo Chee How</u> Dr. Tan Boon Chin	20	Tidak bersama SHET 2102; Khas pelajar Genetik	Jumaat 3/01/2020 8.30-10.30
		Amali (Mgu 8 – 14)	2.00 – 4.50	I	GBM2.1				
SIL3011/ SHEN3342	3(T+P) MP: (PB 40% + PA 60%)	Aplikasi Teknologi DNA Rekombinan <i>Applications of Recombinant DNA Technology</i>	9.00-9.50	SK	BT18	<u>Prof. Dr. Jennifer Harikrishna</u>	60 10	SIL1001	Jumaat 10/01/2020 8:30-10:30
		Amali (Mgu 8 – 14)	2.00-4.50	K	GBM1	PM Dr. Chan Kok Gan			
SIL3004/ SHEN3140	3(T+P) MP: (PB 40% + PA 60%)	Genetik Lanjutan <i>Advanced Genetics</i>	9.00–9.50	IR	B6	Prof. Dr Zulqarnain Mohamed	60 10+5	SIL1001	Jumaat 3/01/2020 8.30-10.30
		Amali (Mgu 8 – 14)	2.00 – 4.50	I	GBM2.2				
SIL3005/ SHEN3141	3(T+P) MP: (PB 40% + PA 60%)	Sel ke Sistem <i>Cells to Systems</i> Biologi Sel & Molekul <i>Cell and Molecular Biology</i>	11.00 -11.50	SK	B6	<u>Dr. Lim Yat Yuen</u>	60 10+5	SIL2008	Sabtu 11/01/2020 3:00-5:00
		Amali (Mgu 8-14)	2.00 – 4.50	S	GBM2.2				
SIL3006/ SHEN3142	3(T+P) MP: (PB 40% + PA 60%)	Genetik Perkembangan <i>Developmental Genetics</i>	10.00-10.50	IR	B6	<u>PM Dr. Ng Ching Ching</u>	60 10+5	SIL2008	Selasa 07/01/2020 3:00-5:00
		Amali (Mgu 8-14)	2.00 – 4.50	R	GBM2.1				
SIL3010	3(T) MP: (PB 100%)	Analisis Genom <i>Genome Analysis</i>	12.00–12.50	IR	BT18	<u>PM Dr. Ng Ching Ching</u> Dr. Teo Chee How Dr Chan Kok Gan Dr Syarifah Aisyafaznim Sayed Abdul Rahman Dr Yeoh Suat Hui	60		Tiada peperiksaan
		Amali (Mgu 1 – 7)	2.00 – 4.50	R	Mak Komputer Bioinformatik				
SIL3013	3(T+P) MP: (PB 40% + PA 60%)	Genetik dan Bioteknologi Virus <i>Genetics and Biotechnology of Viruses</i>	12-12.50	SK	B6	<u>Dr. Jasmine Elanie Binti Khairat</u> Prof Dr Rofina Yasmin Othman	60		Khamis 02/01/2020 8:30-10:30
		Amali (Mgu 1 – 7)	2.00 – 4.50	K	GBM1				

SIL3015/ SHEN3174	3(T) MP: (PB 100%)	Topik Semasa Genetik & Biologi Molekul <i>Current Topics in Genetics and Molecular Biology</i>	8.30-11.20	J	B6	Dr. Tan Boon Chin	70 5		Tiada peperiksaan
SIL3012/ SHEN3344	3(T+P) MP: (PB 40% + PA 60%)	Kanser dan Tumorigenesis <i>Cancer and Tumorigenesis</i>	11.00-11.50	IR	B6	Prof. Dr. Noor Hasima NP	40 10+3	SIL2010	Jumaat 10/01/2020 3.00-5.00
		Amali (1-7)	2.00-4.50	I	B6	Dr Norhafiza Mohd Arshad			
SIL3001/ SHEN3184 /SHEN4180	10(N) MP: (PB 100%)	Projek Genetik & Biologi Molekul <i>Genetics and Molecular Biology Project</i>	Tiada Kuliah			Dr. Lim Yat Yuen Dr Nur Ardiyana Rejab	Tiada had	Had completed 4 semesters and 50 credits; Only for students from Genetics Programme	Tiada peperiksaan

PROGRAM MIKROBIOLOGI SESI 2019/20 (SEMESTER 1)									
Kod Kursus/ Kertas Bersama	Bil. Jam Kredit (Jenis Kursus)	Tajuk Kursus	Masa	Hari	Tempat	Pensyarah	Bilangan Pelajar	Catatan	Tarikh & waktu peperiksaan
SIR2001	3(T+P) MP: (PB 40% + PA 60%)	Mikroorganisma Eukariot <i>Eukaryotic Microorganism</i>	11.00–11.50	IR	BT17	<u>Dr Bong Chui Wei</u>	30	SIL1001, SIE1001, untuk pelajar Mikrobiologi sahaja	Jumaat 10/01/2020 3.00-5.00
		Amali (Mgu 8 – 14)	2.00 – 4.50	I	M1				
SIR2004	3(T+P) MP: (PB 40% + PA 60%)	Mikrobiologi Am <i>General Microbiology</i>	10.00–10.50	IR	BT17	<u>Dr Khanom Simarani</u>	60	SIJ1001	Selasa 07/01/2020 3:00-5:00
		Amali (Mgu 1 – 7)	2.00 – 4.50	I	GBM2				
SIR2005	3(T+P) MP: (PB 40% + PA 60%)	Bakteriologi I <i>Bacteriology I</i>	10.00-11.50	K	BT17	<u>PM Dr Lee Choon Weng</u>	30	SIE1001	Rabu 08/01/2020 3:00-5:00
		Amali (Mgu 1 – 7)	2.00 – 4.50	K	M1				
SIR2008	3(T+P) MP: (PB 40% +PA 60%)	Fisiologi dan Biokimia Mikrob <i>Microbial Physiology and Biochemistry</i>	9.00–9.50	IR	BT17	<u>Dr Tang Swee Seong</u>	60	SIJ1001	Jumaat 3/01/2020 8.30-10.30
		Amali (Mgu 1 -7)	2.00 – 4.50	R	M1				
SIR2003	3(T+P) MP: (PB 50% + PA 50%) / 3(T+P) MP: (PB 40% + PA 60%)	Mikrobiologi Makanan <i>Food Microbiology</i>	10.00 – 11.50	S	BT17	<u>Dr Chai Lay Ching</u> <u>Dr Nurul Shamsinah</u> <u>Mohd Suhaimi</u>	30	SIR2004, SIR2005	Rabu 08/01/2020 3.00-5.00
		Amali (Mgu 8 – 14)	2.00 – 4.50	S	M1				
SIR3004	3 (T+P) MP: (PB 100%) / 4 (T+P) MP: (PB 100%)	Komunikasi Saintifik dalam Mikrobiologi <i>Scientific Communication in Microbiology</i> Komunikasi Massa Dalam Mikrobiologi <i>Mass Communication in Microbiology</i>	10.00–10.50	IR	B12	<u>Dr Bong Chui Wei</u>	30	SIR2004	Tiada Peperiksaan

		Amali (Mgu 1 - 7)	2.00 – 4.50	I	M2				
SIR3017	3(T+P) MP: PB 40% +PA 60%	Imunologi Lanjutan <i>Advanced Immunology</i>	9.00 - 9.50	SK	B12	<u>Dr Taznim Begam</u>	30	SIR2010	Jumaat 10/01/2020 8:30-10:30
		Amali (Mgu 1 – 7)	2.00 – 4.50	K	M2				
SIR3005	3(T+P) MP: (PB 40% + PA 60%) 4(T+P) MP: (PB 40% + PA 60%)	Mikrobiologi Industri dan Persekitaran <i>Industrial and Environmental Microbiology</i>	11.00 – 12.50	I	B12	<u>Dr Khanom Simarani</u> PM Dr Geok Yuan Annie Tan Dr Nurul Shamsinah Mohd Suhaimi	30	SIR2004	Jumaat 10/01/2020 3.00-5.00
		Amali (Mgu 8 – 14)	2.00 – 4.50	I	M2				
SIR3006	3(T+P) MP: PB 50% +PA 50%	Mikrobiologi Kesihatan Awam <i>Public Health Microbiology</i>	11.00 – 12.50	R	B12	<u>PM Dr Geok Yuan Annie Tan</u> Dr Jasmine Khairat Dr Chai Lay Ching	10	SIR2005, SIR2007	Jumaat 10/1/2020 3.00-5.00
		Amali (Mgu 8 – 14)	2.00 – 4.50	R	M2				
SIR3014	3(T+P) MP: (PB 40% + PA 60%)	Virologi Lanjutan <i>Advanced Virology</i>	9.00 – 9.50	IR	B12	<u>Dr Taznim Begam</u> Dr Jasmine Khairat Prof Dr Rofina Yasmin Othman	30		Jumaat 03/01/2020 8.30-11.30
		Amali (Mgu 1 – 7)	2.00 – 4.50	R	M2				
SIR3015	3(T+P) MP: (PB 100%)	Teknik-teknik dalam Mikrobiologi Molekul <i>Techniques in Molecular Microbiology</i>	11.00 -12.50	K	B12	<u>Dr Tang Swee Seong</u>	30	SIR2004, SIL2009	Tiada Peperiksaan
		Amali (Mgu 8 – 14)	2.00 – 4.50	K	M2				
SIR3001	8 (N) MP: (PB 100%) 10 (N) MP: (PB 100%)	Projek Penyelidikan Mikrobiologi <i>Research Project in Microbiology</i>	Tiada Kuliah			<u>PM Dr Geok Yuan Annie Tan</u> <u>Dr Chai Lay Ching</u>	Tiada Had	SIR2002, SIR2004	Tiada Peperiksaan
SIR3002	7 (P) MP: (PB 100%) 5(N) MP: (PB 100%)	Latihan Industri Mikrobiologi <i>Industrial Training in Microbiology</i>	Tiada Kuliah			<u>Dr Taznim Begam</u>	Tiada Had	<u>Pra syarat:</u> <u>Bagi SIR3002:</u> SIR 2003, SIR 3006. Tempoh minimum latihan	Tiada Peperiksaan

						industri ialah 14 minggu.	
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PROGRAM BIOTEKNOLOGI SESI 2019/2020 (SEMESTER 1)									
Kod Kursus	Bil. Jam Kredit (Jenis Kursus)	Tajuk Kursus	Masa	Hari	Tempat	Pensyarah	Bilangan Pelajar	Catatan	Tarikh & waktu peperiksaan
SIO2001 / SHET2101	3 (T+P) MP: PB 40% +PA 60%	Mikrobiologi Gunaan <i>Applied Microbiology</i>	12.00 -12.50 9.00 - 9.50	I S	Projek BT SA1	<u>Prof Dr Vikineswary Sabaratnam</u>	35 0+10	Core Pra-syarat <i>Life Processes</i> SIJ 1001/ Hanya untuk pelajar Bioteknologi, Pelajar SMPIS pada Tahun 4 Semester 7 sahaja	Isnin 06/01/2020 8:30-10:30
		Amali	2.00-4.50	S	BT1				
SIO2004	3(T+ P) MP: PB 40% +PA 60%	Kultur Sel & Tisu <i>Cell and Tissue Culture</i>	11.00 -12.50	R	BS3&4 KDK	<u>Dr Mohd Zuwairi Saiman</u>	35	Core Semester 1 untuk Program Pendidikan sahaja. Semester 2 untuk pelajar Bioteknologi sahaja. Pra-syarat <i>Cell Biology</i> SIL1001 and <i>Biology Practical</i> SIK1001	Jumaat 10/01/2020 3:00-5:00
			12.00 –12.50	K	BS1&2 KDK	Dr Nuradilla Mohamad Fauzi			
		Amali	2.00-4.50	R	B2.5				
SIO2010 / SHET3310	3(T+P) MP: PB 40% +PA 60%	Kejuruteraan dan Teknologi Proses Lepas Tuai <i>Post-Harvest Process Engineering and Technology</i>	8.00 - 8.50	I	Vanda	<u>PM Dr. Chandran S</u>	35 0+10	<i>Elective</i> Pra-syarat <i>Cell Biology</i> SIL 1001/ Hanya untuk pelajar Bioteknologi dan SGPI SAHAJA	Khamis 02/01/2020 3:00-5:00
		Fisiologi Dan Bioteknologi Lepas Tuai <i>Post Harvest Physiology and Biotechnology</i>	12.00-12.50	R	Ixora				
		Amali	2.00-4.50	R	BT1				

SIO2011	3(T+P) MP: PB 40% +PA 60%	Pembiakbakaan Tumbuhan <i>Plant Breeding</i>	9.00-9.50	IR	SA1	<u>Dr. Acga Cheng</u>	35	<i>Elective</i> Hanya untuk Pelajar Bioteknologi SAHAJA Pra-syarat <i>Life Processes</i> SIJ1001	Jumaat 03/01/2020 8.30-10.30
		Amali	2.00-4.50	I	Projek BT				
SIO2006	2(T) MP: PB 100%	Komunikasi Lisan & Penulisan Sainstifik <i>Oral Communication and Scientific Writing</i>	8.00-9.50	K	SA3	<u>PM Dr Chandran S.</u>	35	<i>Core</i> Pra-syarat <i>Biology Practical</i> SIK 1001 Semester 1 untuk pelajar Bioteknologi	Tiada peperiksaan
SIO2008	2(T) MP: (PB 100%)	Bioinformatik Asas <i>Basic Bioinformatics</i>	2.00 -3.50	K	BIM2	<u>PM Dr Chandran S.</u>	25	<i>Core</i> Tidak boleh diambil oleh pelajar Bioinformatik. Pra-syarat <i>Structure and Function of Biomolecules</i> (SIJ2002)	Tiada peperiksaan
SIO3001 / SHET3101	3(T + P) MP: PB 40% +PA 60%	Teknologi Bioproses <i>Bioprocess Technology</i>	9.00 – 9.50	SK	Projek BT	<u>Prof Dr. Mohd Suffian Mohd Annuar</u>	35 0+10	<i>Core</i> Untuk pelajar Bioteknologi SAHAJA. Pra-syarat <i>Mikrobiologi Gunaan SIO2001</i>	Jumaat 10/01/2020 8:30-10:30
		Amali	2.00 – 4.50	S	Makmal Bioproses				
SIO3009 / SHET3303	3 (T) MP: PB 60% +PA 40%	Bioteknologi Pengurusan Alam Sekitar <i>Environmental Management Biotechnology</i>	11.00 - 11.50 9.00 - 10.50	S R	BT1	<u>Dr. Nur Kusaira Khairul Ikram</u>	2 0+10	<i>Elective</i> PBL Khas untuk pelajar Bioteknologi (SMPIS SAHAJA). Pra-syarat <i>Applied Microbiology</i> SIO2001 dan <i>Molecular Biology and Genetic Engineering</i> SIO2007	Sabtu 04/10/2020 3:00-5:00
SHET3170	3 (A) MP: PB 100%	Amali Bioteknologi II <i>Biotechnology Practical</i>	2.00 - 4.50	SRK	BT2	<u>Dr. Wan Abd Al Qadr Imad</u>	0+10	Untuk pelajar Bioteknologi (SGPI SAHAJA).	Tiada peperiksaan

						Prof Dr Lim Phaik Eem Dr. Poong Sze Wan			
SIO3008	3(T+P) MP: PB 50% +PA 50%	Bioteknologi Kulat <i>Fungal Biotechnology</i> Amali	8.00 - 8.50 2.00 - 4.50	IS I	SA1 BT1	<u>Dr Wan Abd Al Qadr Imad Wan Mohtar</u>	35	<i>Elective</i> Hanya untuk pelajar Bioteknologi. Prasyarat <i>Mikrobiologi Gunaan SIO2001</i>	Khamis 02/01/2020 3:00-5:00
SIO3012	3(T + P) MP: PB 40% +PA 60%	Teknologi Enzim <i>Enzyme Technology</i> Amali	11.00 –12.50	I	BT1	<u>Prof Dr. Mohd Suffian Mohd Annuar</u>	35	<i>Elective</i> Hanya untuk pelajar Bioteknologi. Pra- syarat <i>Energetic, Metabolism and Regulation of Carbohydrate and Lipid SIJ2003</i>	Khamis 09/01/2020 3:00-5:00
			2.00 – 4.50	R	Makmal Bioproses				
SIO3013	2(T) MP: PB 40% +PA 60%	Rantaian Bekalan dan Perniagaan Bioproduct <i>Bioproduct Business and Supply Chain</i>	9.00-10.50	R	Projek BT	<u>PM Dr. Chandran S</u>	35	<i>Elective</i> Hanya untuk pelajar Bioteknologi. Pra- syarat <i>Higher Plant Physiology SIO2003</i>	Selasa 07/01/2020 3:00-5:00
SIO3007	3(T) MP: PB 40% +PA 60%	Bioteknologi Alga <i>Algae Biotechnology</i>	9.00 –9.50 10.00 –11.50	I S	Projek BT BT1	<u>Dr Wan Abd Al Qadr Imad Wan Mohtar</u> Dr Yeong Hui Yin Prof Dr Lim Phaik Eem	35	<i>Elective</i> Hanya untuk pelajar Bioteknologi. Pra- syarat <i>Applied Microbiology SIO2001</i>	Jumaat 03/01/2020 8:30-10:30
SIO3003	2 (T) MP: PB 40% +PA 60%	Tenaga Boleh Baharu <i>Renewable Energy</i>	10.00 –10.50 11.00-11.50	I R	Projek BT	<u>Dr Zul Ilham Zulkiflee Lubes</u>	35	<i>Core</i> Hanya untuk pelajar Bioteknologi. Pra-	Selasa 07/01/2020 8.30-10.30

								syarat <i>Life Processes</i> SIJ1001	
SIO3006	7 (N) MP: (PB 100%)	Latihan Industri Dalam Bioteknologi <i>Industrial Training in Biotechnology</i>	Tiada Kuliah			<u>Dr Mohd Zuwairi Saiman</u>	Tiada Had	Untuk pelajar Bioteknologi. Pra-syarat telah menyempurnakan empat (4) semester biasa dan 50 jam kredit. <i>Research and Commercialization in Biotechnology</i> SIO3002	Tiada Peperiksaan
SIO3005/ SHET3180/ SHET4180	10(N) MP: PB 100%	Projek Bioteknologi <i>Biotechnology Project</i>	Tiada Kuliah	J	Projek BT	<u>Dr Acga Cheng</u>	Tiada Had	<i>Core</i> Hanya untuk pelajar Bioteknologi. Pra-syarat Semester 5 dan lengkap 50 kredit, SHET2190, SHET2110. (SIO1001, SIO2002 dan SIO2004)	Tiada peperiksaan