

STUDY SCHEME : PROGRAMME BACHELOR OF SCIENCE IN CELL AND MOLECULAR BIOLOGY WITH HONOURS

FIRST YEAR									
FIRST SEMESTER					SECOND SEMESTER				
CODE	COURSE	CREDIT	L	P	CODE	COURSE	CREDIT	L	P
SKP3112	Falsafah dan Isu Semasa/ <i>Philosophy and Current Issues</i>	2(2+0)	2	0	BSM3201	Biologi Molekul / <i>Molecular Biology</i>	3(3+0)	3	0
BMY3001	Mikrobiologi / <i>Microbiology</i>	4(4+0)	4	0	BCH3003	Kimia Biologi / <i>Biological Chemistry</i>	3(2+1)	2	1
BSM3101	Biologi Sel dan Perkembangan / <i>Cellular and Developmental Biology</i>	3(3+0)	3	0	BSM3204	Prinsip Genetik / <i>Principles of Genetics</i>	3(3+0)	3	0
BCH3001	Biokimia Komprehensif I / <i>Comprehensive Biochemistry I</i>	3(3+0)	3	0	FCE3204	Kemahiran Berfikir / <i>Thinking Skills</i>	2(2+0)	2	0
SKP2101	Kenegaraan Malaysia / <i>Malaysian Nationhood</i>	3(3+0)	3	0	KOM3403	Pengucapan Awam / <i>Public Oratation</i>	3(2+1)	2	1
XXX1234	Kokurikulum / <i>Co-curriculum</i>	1(0+1)	0	1	LPE2301	Academic Interaction and Presentation	3(2+1)	2	1
CEL2102	<i>Effective Listening and Speaking</i>				BMY3201	Teknik Asas Mikrobiologi / <i>Basic Microbiology Techniques</i>	2(0+2)	0	2
LAX									
TOTAL		16	15	1	TOTAL		19	14	5
SECOND YEAR									
FIRST SEMESTER					SECOND SEMESTER				
CODE	COURSE	CREDIT	L	P	CODE	COURSE	CREDIT	L	P
BCH3002	Biokimia Komprehensif II / <i>Comprehensive Biochemistry II</i>	4(3+1)	3	1	PRT2009	Pertanian dan Manusia / <i>Agriculture and Man</i>	2(1+1)	1	1
BSM3501	Kultur Sel dan Tisu Tumbuhan / <i>Plant Cell and Tissue Culture</i>	3(2+1)	2	1	BSM3203	Teknik Penyelidikan dalam Biologi Molekul / <i>Research Techniques in Molecular Biology</i>	3(2+1)	2	1
BSM3202	Kejuruteraan Genetik / <i>Genetic Engineering</i>	4(3+1)	3	1	BSM4301	Bioinformatik / <i>Bioinformatics</i>	3(2+1)	2	1
MGM3180	Asas Keusahawanan / <i>Basic Entrepreneurship</i>	3(2+1)	2	1	BSM3401	Kultur Sel dan Tisu Haiwan / <i>Animal Cell and Tissue Culture</i>	3(2+1)	2	1
LPE2501	<i>Academic Writing</i>	3(2+1)	2	1	SKP3122	Penghayatan Etika dan Peradaban / <i>Internalization of Ethics and Civilization</i>	2(2+0)	2	0
	Elektif Bebas I / <i>Elective I</i>	3(3+0)	3	0	YYY1234	Kokurikulum / <i>Co-curriculum</i>	1(0+1)	0	1
LAX						Elektif Bebas II / <i>Elective II</i>	3	3	0
					LAX				
TOTAL		20	15	5	TOTAL		17	12	5
THIRD YEAR									
FIRST SEMESTER					SECOND SEMESTER				
CODE	COURSE	CREDIT	L	P	CODE	COURSE	CREDIT	L	P
BSM4201	Genetik Molekul Gunaan / <i>Applied Molecular Genetics</i>	4(3+1)	3	1	BTC3002	Komersialisasi dan Isu Semasa Bioteknologi / <i>Commercialisation and Current Issues in Biotechnology</i>	2(2+0)	2	0
BSM3402	Imunologi Sel dan Molekul / <i>Cell and Molecular Immunology</i>	3(3+0)	3	0	BSM4959A	Disertasi Bachelo / <i>Bachelor Dissertation</i>	2(0+2)	0	2
BGY3701	Biostatistik / <i>Biostatistics</i>	3(2+1)	2	1		Elektif Teras Biologi Sel dan Molekul II / <i>Core Elective II</i>	9	9	
BSM4904	Pembelajaran Perkhidmatan dalam Biologi Sel dan Molekul / <i>Service Learning in Cell and Molecular Biology</i>	1(0+1)	0	1		Elektif Pengurusan dan Kemanusiaan I / <i>Management And Humanity Elective I</i>	3	3	
	Elektif Teras Biologi Sel dan Molekul I / <i>Core Elective I</i>	8	8		CEL2105/2106/2107				
LAX					OR LAX				
TOTAL		19	16	3	TOTAL		16	14	2
FINAL YEAR									
FIRST SEMESTER					SECOND SEMESTER				
CODE	COURSE	CREDIT	L	P	CODE	COURSE	CREDIT	L	P
BSM4959B	Disertasi Bachelo / <i>Bachelor Dissertation</i>	4(0+4)	0	4	BSM4901	Latihan Industri / <i>Industrial Training</i>	6(0+6)	0	6
BSM4991	Seminar / <i>Seminar</i>	1(0+1)	0	1					
	Elektif Teras Biologi Sel dan Molekul III / <i>Core Elective III</i>	4	4						
	Elektif Pengurusan dan Kemanusiaan II / <i>Management And Humanity Elective II</i>	3	3						
CEL2104/2105/2106/2107									
TOTAL		12	7	5	TOTAL		6	0	6