

**For Academic Year AY2018/19 (Updated 9 July 2018)**

Modules (Click on code for details)	Title	Semester Day-to-day Timetable	Module Coordinator(s)	Department(s)	Prerequisite(s)
<b>Level 1000</b>					
<a href="#">LSM1102</a>	Molecular Genetics	Semester 1 / Semester 2	<b>A/P Chew Fook Tim</b>	Biological Sciences	GCE `A' Level or H2 Biology or equivalent, or LSM1301 or LSM1301X
<a href="#">LSM1105</a>	Evolutionary Biology	Semester 1 / Semester 2	<b>Dr Ryan Chisholm (I)</b> <b>A/P Antonia Monteiro (II)</b>	Biological Sciences	
<a href="#">LSM1106</a>	Molecular Cell Biology	Semester 1 / Semester 2	<b>A/P Deng Lih Wen (I)</b> <b>A/P Too Heng-Phon (II)</b>	Biochemistry	
<a href="#">LSM1301</a>	General Biology	Semester 1 / Semester 2	<b>Dr Seow Teck Keong (I)</b> <b>Dr Wu Jinlu (II)</b>	Biological Sciences	Nil (Preclude pass in GCE `A' Level or H2 Biology or equivalent)
<a href="#">LSM1303</a>	Animal Behaviour	Semester 2	<b>Mr Sivasothi, N</b>	Biological Sciences	Nil (Preclude Life Sciences Major/Minor and BES student)
<a href="#">LSM1306</a>	Forensic Science	Semester 1	<b>A/P Stella Tan</b>	Biological Sciences	Nil
<a href="#">LSM1307</a>	Waster and Our Environment	Semester 1	<b>Dr Choong Mei Fun, Amy</b>	Biological Sciences	Nil
<a href="#">LSM1401</a>	Fundamentals of Biochemistry	Semester 2	<b>A/P K Swaminathan (II)</b>	Biological Sciences	GCE `A' Level or H2 Chemistry or equivalent, or CM1417 or CM1417X
<b>Level 2000</b>					
<a href="#">LSM2191</a>	Laboratory Techniques in Life Sciences	Semester 1 / Semester 2	<b>Dr Lu Gan (I)</b> <b>A/P Maxey Chung (II)</b> <b>A/P Norbert Lehming (II)</b>	Biological Sciences / Biochemistry / Microbiology & Immunology	LSM1102 or LSM1106
<a href="#">LSM2211</a>	Metabolism and Regulation	Semester 1 / Semester 2	<b>A/P Yew Wen Shan (I)</b> <b>A/P Ganesh S Anand (II)</b>	Biochemistry / Biological Sciences	LSM1106
<a href="#">LSM2212</a>	Human Anatomy	Semester 1	<b>Dr Baeg Gyeong Hun</b>	Anatomy	LSM1102 or LSM1106
<a href="#">LSM2231</a>	General Physiology	Semester 1	<b>Prof Ip Yuen Kwong</b>	Biological Sciences	GCE `A' Level or H2 Biology or equivalent, or LSM1301 or LSM1301X
<a href="#">LSM2232</a>	Genes, Genomes and Biomedical Implications	Semester 1 / Semester 2	<b>Prof Ding Jeak Ling</b>	Biological Sciences	LSM1102 and LSM1106
<a href="#">LSM2233</a>	Cell Biology	Semester 1	<b>A/P Yeong Foong May (I)</b>	Biochemistry	LSM1106

Modules (Click on code for details)	Title	Semester Day-to-day Timetable	Module Coordinator(s)	Department(s)	Prerequisite(s)
		/			
		Semester 2	<b>A/P Thilo Hagen (II)</b>		
<a href="#">LSM2234</a>	Physical Concepts in Biology	Semester 2	<b>Prof Wohland, Thorsten</b>	Biological Sciences	GCE `A' Level or H2 Biology or equivalent, or LSM1301 or LSM1301X
<a href="#">LSM2241</a>	Introductory Bioinformatics	Semester 1	<b>Prof Greg Tucker-Kellogg</b>	Biological Sciences	LSM1102 or LSM1105 or LSM1106 or PR1111A
<a href="#">LSM2251</a>	Ecology and Environment	Semester 1 / Semester 2	<b>Mr Sivasothi, N (I)</b> <b>Dr Chong Kwek Yan (II)</b>	Biological Sciences	GCE `A' Level or H2 Biology or equivalent, or LSM1301 or LSM1301X
<a href="#">LSM2252</a>	Biodiversity	Semester 1 / Semester 2	<b>Mr Sivasothi, N (I)</b> <b>Dr Ng Ngan Kee (II)</b>	Biological Sciences	GCE `A' Level or H2 Biology or equivalent, or LSM1301 or LSM1301X
<a href="#">LSM2253</a>	Applied Data Analysis in Ecology and Evolution	Semester 2	<b>Dr Carrasco Torrecilla, Roman</b>	Biological Sciences	ST1232
<a href="#">LSM2254</a>	Fundamentals of Plant Biology	Semester 2	<b>Dr Lau On Sun</b>	Biological Sciences	LSM1102 or LSM1106
<a href="#">LSM2291</a>	Fundamental Techniques in Microbiology	Semester 1 / Semester 2	<b>A/P Kevin Tan Shyong Wei (I)</b> <b>A/P Justin Chu Jang Hann (II)</b>	Microbiology & Immunology	LSM1102 or LSM1106
<a href="#">LSM2288/9</a>	Basic UROPS in Life Sciences I/II	All	<b>Dr Huang Danwei</b>	LS Teaching Departments	LSM1102 or LSM1105 or LSM1106; and departmental approval
<b>Level 3000</b>					
<a href="#">LSM3201</a>	Research and Communication in Life Sciences	Semester 1 / Semester 2	<b>Dr Lam Siew Hong</b>	Biological Sciences	Nil (Corequisite: LSM2288 or LSM3288 or LSM4199)
<a href="#">LSM3211</a>	Fundamental Pharmacology	Semester 1 / Semester 2	<b>A/P Wong Wai-Shiu Fred (I)</b> <b>Dr Inthrani Raja Indran (II)</b>	Pharmacology	LSM2211 or LSM2233
<a href="#">LSM3212</a>	Human Physiology: Cardiopulmonary System	Semester 1 / Semester 2	<b>Dr Zakaria Almsherqi (I)</b> <b>A/P Lim Hsiu Kim, Lina (II)</b>	Physiology	LSM2211
<a href="#">LSM3214</a>	Human Physiology - Hormones And Health	Semester 2	<b>Dr Thai Tran</b>	Physiology	LSM2211 and LSM3212
<a href="#">LSM3215</a>	Neuronal Signaling and Memory Mechanisms	Semester 1	<b>Dr Saji Kumar Sreedharan</b>	Physiology	LSM2231 and LSM2233
<a href="#">LSM3216</a>	Neuronal Development and Diseases	Semester 2	<b>Dr John Chua Jia En</b>	Physiology	LSM2232 and LSM2233
<a href="#">LSM3217</a>	Human Ageing	Semester 1	<b>A/P Thiruma Arumugam</b>	Physiology	LSM2233
<a href="#">LSM3218</a>	Cardiopulmonary Pharmacology	Semester 2	<b>A/P Bian JinSong</b>	Pharmacology	LSM3211
<a href="#">LSM3219</a>	Neuropharmacology	Semester 2	<b>Dr Judy Sng</b>	Pharmacology	LSM3211
<a href="#">LSM3222</a>	Human Neuroanatomy	Semester 2	<b>A/P Ong Wei Yi</b>	Anatomy	LSM1102 or LSM1106
<a href="#">LSM3223</a>	Immunology	Semester 1	<b>A/P Lu Jinhua (I)</b>	Microbiology	LSM2233

Modules (Click on code for details)	Title	Semester Day-to-day Timetable	Module Coordinator(s)	Department(s)	Prerequisite(s)
		/			
		Semester 2	<b>Dr Zhang Yongliang (II)</b>	& Immunology	
<a href="#">LSM3224</a>	Molecular Basis of Human Diseases	Semester 2	<b>A/P Yeong Foong May</b>	Biochemistry	LSM2211 and LSM2233
<a href="#">LSM3225</a>	Molecular Microbiology in Human Diseases	Semester 2	<b>A/P Tan Yee Joo</b>	Microbiology & Immunology	LSM2211 or LSM2232 or LSM2233
<a href="#">LSM3226</a>	Medical Mycology and Drug Discovery	Semester 2	<b>A/P Yeong Foong May</b>	Biochemistry	LSM2233 or LSM2252 or LSM2291
<a href="#">LSM3231</a>	Protein Structure & Function	Semester 1	<b>A/P Maxey Chung</b>	Biochemistry	LSM2211 or LSM2241
<a href="#">LSM3232</a>	Microbiology	Semester 1 / Semester 2	<b>A/P Sim Tiow-Suan</b>	Microbiology & Immunology	LSM2211 or LSM2232 or LSM2233
<a href="#">LSM3233</a>	Developmental Biology	Semester 1	<b>A/P Winkler, Christoph</b>	Biological Sciences	LSM2233
<a href="#">LSM3234</a>	Biological Imaging of Growth and Form	Semester 1	<b>A/P Cynthia He</b>	Biological Sciences	LSM2233
<a href="#">LSM3235</a>	Epigenetics in Human Health and Diseases	Semester 1	<b>Dr Karthik Mallilankaraman</b>	Physiology	LSM2232
<a href="#">LSM3241</a>	Genomic Data Analysis	Semester 2	<b>Prof Greg Tucker-Kellogg</b>	Biological Sciences	LSM2232 and LSM2241
<a href="#">LSM3242</a>	Translational Microbiology	Semester 2	<b>Dr Volker Patzel</b>	Microbiology & Immunology	LSM2232 and either LSM2211 or LSM3232
<a href="#">LSM3243</a>	Molecular Biophysics	Semester 2	<b>Prof Yang Daiwen</b>	Biological Sciences	LSM1106
<a href="#">LSM3244</a>	Molecular Biotechnology	Semester 1	<b>Dr Robert Lieu Zi Zhao</b>	Microbiology & Immunology	LSM2233
<a href="#">LSM3245</a>	RNA Biology and Technology	Semester 1	<b>Dr Volker Patzel</b>	Microbiology & Immunology	LSM2232
<a href="#">LSM3246</a>	Synthetic Biology	Semester 1	<b>A/P Chang, Matthew Wook</b>	Biochemistry	LSM2211 or LSM2232 or LSM2233
<a href="#">LSM3247</a>	Practical Synthetic Biology	Semester 2	<b>A/P Chang, Matthew Wook</b>	Biochemistry	LSM2191
<a href="#">LSM3252</a>	Evolution and Comparative Genomics	Semester 1	<b>Dr Huang Danwei</b>	Biological Sciences	LSM1105
<a href="#">LSM3254</a>	Ecology of Aquatic Environments	Semester 1	<b>Dr Darren Yeo Chong Jinn</b>	Biological Sciences	LSM2251
<a href="#">LSM3255</a>	Ecology of Terrestrial Environments	Semester 2	<b>A/P Webb, Edward Layman</b>	Biological Sciences	LSM2251
<a href="#">LSM3256</a>	Tropical Horticulture	Semester 2	<b>A/P Tan Tiang Wah, Hugh</b>	Biological Sciences	LSM2231 and LSM2252 (to revise to LSM1105)
<a href="#">LSM3258</a>	Comparative Botany	Semester 1	<b>A/P Tan Tiang Wah, Hugh</b>	Biological Sciences	LSM2231 and LSM2252 (to revise to LSM1105)
<a href="#">LSM3259</a>	Fungal Biology	Semester 2	<b>Dr Choong Mei Fun, Amy</b>	Biological Sciences	LSM2252
<a href="#">LSM3262</a>	Environmental Animal Physiology	Semester 2	<b>Prof Ip Yuen Kwong</b>	Biological Sciences	LSM2231

Modules (Click on code for details)	Title	Semester Day-to-day Timetable	Module Coordinator(s)	Department(s)	Prerequisite(s)
<a href="#">LSM3265</a>	Entomology	Semester 1	Dr Ascher, John Stoskopf	Biological Sciences	LSM2251
<a href="#">LSM3266</a>	Avian Biology and Evolution	Semester 1	Dr Rheindt, Frank Erwin	Biological Sciences	LSM2252
<a href="#">LSM3267</a>	Behavioural Biology	Semester 2	A/P Li Daiqin	Biological Sciences	LSM2251
<a href="#">LSM3272</a>	Global Change Biology	Semester 2	Dr Lim Lek Min, Matthew	Biological Sciences	LSM2252
LSM3273	Ecology, Conservation and Management of Sri Lankan Ecosystems	Special Term Part 1 (To be confirmed)	A/P Webb, Edward Layman	Biological Sciences	LSM2251
<a href="#">LSM3288/9</a>	Advanced UROPS in Life Sciences I/II	All	Dr Huang Danwei	LS Teaching Departments	Nil
<a href="#">LSM3311/2</a>	UPIP (Undergraduate Professional Internship Programme)	All	A/P Cynthia He	Science Dean's Office	UPIP prerequisites
<b>Level 4000</b>					
<a href="#">LSM4199</a>	Honours Project in Life Sciences	Year-long	Prof Ding Jeak Ling	LS Teaching Departments	Life Sciences Major with overall CAP of 3.20 or more upon accumulated at least 100MC.
<a href="#">LSM4299</a>	Applied Project in Life Sciences	Semester 1 / Semester 2	A/P Cynthia He	Biological Sciences	Life Sciences Major with overall CAP of 3.20 or more upon accumulated at least 100MC.
<b>BIOMEDICAL SCIENCE (BMS)</b>					
LSM4210	Topics in Biomedical Science	Special Term Part 2 (To be confirmed)	Contact scisap@nus.edu.sg	Science Dean's Office	LSM2101 or LSM2102 or LSM2103 (From AY2019/20 onwards: LSM2211 or LSM2232 or LSM2233)
<a href="#">LSM4211</a>	Toxicology	Semester 1	Dr Deron Raymond Herr	Pharmacology	LSM3211
<a href="#">LSM4213</a>	Systems Neurobiology	Semester 1	Dr Tan Yong-Yi, Andrew	Physiology	LSM3215 and LSM3216
<a href="#">LSM4214</a>	Cancer Pharmacology	Semester 1 / Semester 2	A/P Gautam Sethi	Pharmacology	LSM3211
<a href="#">LSM4215</a>	Extreme Physiology	Semester 2	Dr Thai Tran Dr Jason Lee	Physiology	LSM3212 and LSM3212
<a href="#">LSM4216</a>	Molecular Nutrition and Metabolic Biology ( <i>new</i> )	Semester 1	Dr Long Yun Chau	Biochemistry	LSM2101 and LSM2102 (From AY2019/20 onwards: LSM2211 and LSM2232)
<a href="#">LSM4217</a>	Functional Ageing	Semester 2	A/P Manoor Prakash Hande	Physiology	LSM3217 or LSM3224
<a href="#">LSM4221</a>	Drug Discovery and Clinical Trials	Semester 1 / Semester 2	Dr Edward Kai-Hua Chow (I) A/P Tan Chay Hoon (II)	Pharmacology	LSM3211
<a href="#">LSM4222</a>	Advanced Immunology	Semester 1 / Semester 2	A/P Veronique Angeli (I) A/P Gan Yunn Hwen (II)	Microbiology & Immunology / Biochemistry	LSM3223

Modules (Click on code for details)	Title	Semester Day-to-day Timetable	Module Coordinator(s)	Department(s)	Prerequisite(s)
<a href="#">LSM4223</a>	Advances in Antimicrobial Strategies	Semester 1	A/P Tan Shyong Wei, Kevin	Microbiology & Immunology	LSM3225 or LSM3232
<a href="#">LSM4225</a>	Genetic Medicine in the Post-Genomic Era	Semester 2	A/P Lee Guat Lay, Caroline	Biochemistry	LSM2102 (From AY2019/20 onwards: LSM2232)
<a href="#">LSM4226</a>	Infection and Immunity	Semester 1 / Semester 2	A/P Alonso, Sylvie (I) A/P Veronique Angeli (II)	Microbiology & Immunology	LSM3223 and either LSM3225 or LSM3232
<a href="#">LSM4227</a>	Stem Cell Biology	Semester 1 / Semester 2	A/P Chan Woon Khiong	Biological Sciences	LSM2102 and LSM2103 (From AY2019/20 onwards: LSM2232 and LSM2233)
<a href="#">LSM4228</a>	Experimental Models for Human Disease and Therapy	Semester 1	A/P Ge Ruowen	Biological Sciences	LSM2103 (From AY2019/20 onwards: LSM2233)
<a href="#">LSM4229</a>	Therapeutic and diagnostic agents from animal toxins	Semester 2	Prof Kini RM	Biological Sciences	LSM3211 or LSM3231
LSM4252	Reproductive Biology [Module listed as BMS elective module from AY17/18 onwards.]	Semester 2	A/P Winkler, Christoph	Biological Sciences	LSM3233
<b>MOLECULAR AND CELL BIOLOGY (MCB)</b>					
<a href="#">LSM4231</a>	Structural Biology	Semester 2	Prof Yang Daiwen	Biological Sciences	LSM2103 (From AY2019/20 onwards: LSM2233 or LSM2234)
<a href="#">LSM4232</a>	Advanced Cell Biology	Semester 1	Dr Chen Zhixiong	Physiology	LSM2103 (From AY2019/20 onwards: LSM2233)
<a href="#">LSM4234</a>	Mechanobiology	Semester 2	Dr Toyama, Yusuke	Biological Sciences	LSM2102 and LSM2103 (From AY2019/20 onwards: LSM2232 and LSM2233)
<a href="#">LSM4235</a>	Nuclear Mechanics and Genome Regulation	Semester 2	A/P G V Shivashankar	Biological Sciences	LSM2102 (From AY2019/20 onwards: LSM2232)
<a href="#">LSM4241</a>	Functional Genomics	Semester 2	A/P Maxey Chung	Biochemistry	LSM3231 or LSM3241
<a href="#">LSM4242</a>	Protein Engineering	Semester 1	A/P Pan Shen Quan	Biological Sciences	LSM2232 or LSM3231
<a href="#">LSM4243</a>	Tumour Biology	Semester 1 / Semester 2	Dr Ong Sek Tong, Derrick A/P Reshma Taneja	Physiology	LSM2103 (From AY2019/20 onwards: LSM2233)
<a href="#">LSM4244</a>	Oncogenes and Signal Transduction	Semester 2	Dr Lim Yoon Pin	Biochemistry	LSM2103 (From AY2019/20 onwards: LSM2233)
<a href="#">LSM4245</a>	Advanced Epigenetics and Chromatin Biology	Semester 1	Dr Sudhakar Jha	Biochemistry	LSM3235
<a href="#">LSM4251</a>	Plant Growth and Development	Semester 1	Prof Yu Hao	Biological Sciences	LSM3233 or LSM3258
<b>ENVIRONMENTAL BIOLOGY (EVB)</b>					
<a href="#">LSM4254</a>	Principles of Taxonomy and Systematics	Semester 1	Prof Meier Rudolf	Biological Sciences	LSM3241 or LSM3252

Modules (Click on code for details)	Title	Semester Day-to-day Timetable	Module Coordinator(s)	Department(s)	Prerequisite(s)
<a href="#">LSM4255</a>	Methods in Mathematical Biology	Semester 1	<b>Dr Chisholm, Ryan Alistair</b>	Biological Sciences	GCE `A` Level or H2 Mathematics or equivalent, or MA1301 or MA1301X
<a href="#">LSM4256</a>	Evolution of Development	Semester 1	<b>A/P Antonia Monteiro</b>	Biological Sciences	LSM3233 or LSM3252
<a href="#">LSM4257</a>	Aquatic Vertebrate Diversity	Semester 1	<b>Dr Zeehan Jaafar</b>	Biological Sciences	LSM2252 (Preclusion: LSM4266)
<a href="#">LSM4261</a>	Marine Biology	Semester 2	<b>A/P Peter Alan, Todd</b>	Biological Sciences	LSM3254
<a href="#">LSM4262</a>	Tropical Conservation Biology	Semester 2	<b>Dr Chong Kwek Yan</b>	Biological Sciences	LSM3272 or ENV2101
<a href="#">LSM4263</a>	Field Studies In Biodiversity	Special Term Part 2	-	Biological Sciences	For Life Sciences Honours students or by departmental approval.
<a href="#">LSM4264</a>	Freshwater Biology	Semester 2	<b>Dr Darren Yeo Chong Jinn</b>	Biological Sciences	LSM3254
<a href="#">LSM4265</a>	Urban Ecology	Semester 2	<b>Dr Coleman, Joanna</b>	Biological Sciences	LSM2251 and LSM3255
<a href="#">LSM4267</a>	Animal Communications and Sensory Ecology	Semester 1	<b>Dr Lim Lek Min, Matthew</b>	Biological Sciences	LSM3267
<b>Non-LSM-Prefixed Modules for Life Sciences Major</b>					
<a href="#">CM1401</a>	Chemistry for Life Sciences	Semester 2	<b>Dr Ong Yue Ying</b>	Chemistry	GCE `A` level or H2 pass in Chemistry or equivalent or CM1417/CM1417X
CM1417	Fundamentals of Chemistry	Semester 1	<b>Ms Thyagarajan Saradha</b>	Chemistry	'O' Level pass in Chemistry or equivalent
<a href="#">ST1232</a>	Statistics for Life Sciences	Semester 1 / Semester 2	<b>Pham Thi Kim Cuc</b>	Statistics and Applied Probability	GCE `AO` Level or H1 Pass in Mathematics or its equivalent, or H1 Pass in Statistics together with a pass in O-Level Additional Mathematics