

For Academic Year AY2017/2018 (Updated 15 Jan 2018)

Modules (Click on code for details)	Title	Semester Day-to-day Timetable	Module Coordinator(s)	Department(s)	Prerequisite (AY2017/2018 onwards)	Revised Prerequisite (Effective from)
<b>Level 1000</b>						
<a href="#">LSM1102</a>	Molecular Genetics	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Chew Fook Tim	Biological Sciences	GCE `A' Level or H2 Biology or equivalent, or LSM1301 or LSM1301X	
<a href="#">LSM1105</a>	Evolutionary Biology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Antonia Monteiro (I) Dr John Ascher (II)	Biological Sciences		
<a href="#">LSM1106</a>	Molecular Cell Biology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Deng Lih Wen (I) A/P Too Heng-Phon (II)	Biochemistry		
<a href="#">LSM1301</a>	General Biology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	Dr Seow Teck Keong (I) Dr Wu Jinlu (II)	Biological Sciences	Nil (Preclude pass in GCE `A' Level or H2 Biology or equivalent)	
<a href="#">LSM1303</a>	Animal Behaviour	<a href="#">Semester 2</a>	Mr Sivasothi, N	Biological Sciences	Nil	
<a href="#">LSM1306</a>	Forensic Science	<a href="#">Semester 1</a>	Dr Ng Ngan Kee	Biological Sciences	Nil	
<a href="#">LSM1401</a>	Fundamentals of Biochemistry	<a href="#">Semester 1</a> / Semester 2	Prof J Sivaraman (I) A/P K Swaminathan (II)	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	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	Dr Lu Gan (I) A/P Maxey Chung (II) A/P Norbert Lehming (II)	Biological Sciences / Biochemistry / Microbiology & Immunology	LSM1102 or LSM1106	
<a href="#">LSM2211</a>	Metabolism and Regulation	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Yew Wen Shan (I) A/P Ganesh S Anand (II)	Biochemistry / Biological Sciences	LSM1106	
<a href="#">LSM2212</a>	Human Anatomy	<a href="#">Semester 1</a>	Dr Baeg Gyeong Hun	Anatomy	LSM1102 or LSM1106	
<a href="#">LSM2231</a>	General Physiology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	Prof Ip Yuen Kwong	Biological Sciences	LSM1106	
<a href="#">LSM2232</a>	Genes, Genomes and Biomedical Implications	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	Prof Ding Jeak Ling	Biological Sciences	LSM1102 and LSM1106	

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<a href="#">LSM2233</a>	Cell Biology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Yeong Foong May (I) A/P Thilo Hagen (II)	Biochemistry	LSM1102 or LSM1106	
<a href="#">LSM2234</a>	Physical Concepts in Biology	<a href="#">Semester 2</a>	Prof Wohland, Thorsten	Biological Sciences	GCE `A' Level or H2 Biology or equivalent, or LSM1301 or LSM1301X	
<a href="#">LSM2241</a>	Introductory Bioinformatics	Semester 1	Prof Greg Tucker-Kellogg	Biological Sciences	LSM1102 or LSM1105 or LSM1106 or PR1111A	
<a href="#">LSM2251</a>	Ecology and Environment	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	Mr Sivasothi, N (I) Dr Posa, Mary Rose (II)	Biological Sciences	GCE `A' Level or H2 Biology or equivalent, or LSM1301 or LSM1301X	
<a href="#">LSM2252</a>	Biodiversity	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	Mr Sivasothi, N (I) Dr Ng Ngan Kee (II)	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	<a href="#">Semester 2</a>	Dr Carrasco Torrecilla, Roman	Biological Sciences	ST1232	
LSM2254	Fundamentals of Plant Biology ( <i>new</i> )	<a href="#">Semester 2</a>	Dr Lau On Sun	Biological Sciences	LSM1102 or LSM1106	
<a href="#">LSM2291</a>	Fundamental Techniques in Microbiology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Kevin Tan Shyong Wei (I) A/P Justin Chu Jang Hann (II)	Microbiology & Immunology	LSM1102 or LSM1106	
<a href="#">LSM2288/9</a>	Basic UROPS in Life Sciences I/II	All	Dr Huang Danwei	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	<a href="#">Semester 1</a> / Semester 2	Dr Lam Siew Hong	Biological Sciences	Nil (Corequisite: LSM2288 or LSM3288 or LSM4199)	{No change}
<a href="#">LSM3211</a>	Fundamental Pharmacology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Wong Wai-Shiu Fred	Pharmacology	LSM2101 or LSM2103	LSM2211 or LSM2233 (AY2018/2019)
<a href="#">LSM3212</a>	Human Physiology: Cardiopulmonary System	<a href="#">Semester 1</a> / Semester 2	Dr Zakaria Almsherqi (I) A/P Lim Hsiu Kim, Lina (II)	Physiology	LSM2101	LSM2211 (AY2018/2019)
<a href="#">LSM3214</a>	Human Physiology - Hormones And Health	Semester 2	Dr Thai Tran	Physiology	LSM2101 and LSM3212	LSM2211 and LSM3212 (AY2018/2019)
<a href="#">LSM3215</a>	Neuronal Signaling and Memory Mechanisms	<a href="#">Semester 1</a>	Dr Saji Kumar Sreedharan	Physiology	LSM1104 and LSM2103	LSM2231 and LSM2233 (AY2018/2019)
<a href="#">LSM3216</a>	Neuronal Development and Diseases	Semester 2	Dr John Chua Jia En	Physiology	LSM2102 and LSM2103	LSM2232 and LSM2233 (AY2018/2019)

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<a href="#">LSM3217</a>	Human Ageing	<a href="#">Semester 1</a>	A/P Thiruma Arumugam	Physiology	LSM2103	LSM2233 (AY2018/2019)
<a href="#">LSM3218</a>	Cardiopulmonary Pharmacology	<a href="#">Semester 2</a>	A/P Bian JinSong	Pharmacology	LSM3211	{No change}
<a href="#">LSM3219</a>	Neuropharmacology	<a href="#">Semester 2</a>	Dr Judy Sng	Pharmacology	LSM3211	{No change}
<a href="#">LSM3222</a>	Human Neuroanatomy	<a href="#">Semester 2</a>	A/P Ong Wei Yi	Anatomy	LSM1102 or LSM1106	{No change}
<a href="#">LSM3223</a>	Immunology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Lu Jinhua (I)  Dr Zhang Yongliang (II)	Microbiology & Immunology	LSM2103	LSM2233 (AY2018/2019)
<a href="#">LSM3224</a>	Molecular Basis of Human Diseases	<a href="#">Semester 2</a>	A/P Yeong Foong May	Biochemistry	LSM2101 and LSM2103	LSM2211 and LSM2233 (AY2018/2019)
<a href="#">LSM3225</a>	Molecular Microbiology in Human Diseases	<a href="#">Semester 2</a>	A/P Tan Yee Joo	Microbiology & Immunology	LSM2101 or LSM2102 or LSM2103	LSM2211 or LSM2232 or LSM2233 (AY2018/2019)
<a href="#">LSM3226</a>	Medical Mycology and Drug Discovery	<a href="#">Semester 2</a>	A/P Yeong Foong May	Biochemistry	LSM2233 or LSM2252 or LSM2291	{No change}
<a href="#">LSM3231</a>	Protein Structure & Function	<a href="#">Semester 1</a>	A/P Maxey Chung	Biochemistry	LSM2101	LSM2211 or LSM2241 (AY2018/2019)
<a href="#">LSM3232</a>	Microbiology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Sim Tiow-Suan	Microbiology & Immunology	LSM2101 or LSM2102 or LSM2103	LSM2211 or LSM2232 or LSM2233 (AY2018/2019)
<a href="#">LSM3233</a>	Developmental Biology	<a href="#">Semester 1</a>	A/P Winkler, Christoph	Biological Sciences	LSM2103	LSM2233 (AY2018/2019)
<a href="#">LSM3234</a>	Biological Imaging of Growth and Form	Semester 1	A/P Cynthia He	Biological Sciences	LSM2103	LSM2233 (AY2018/2019)
<a href="#">LSM3235</a>	Epigenetics in Human Health and Diseases	<a href="#">Semester 1</a>	Dr Karthik Mallilankaraman	Physiology	LSM2102	LSM2232 (AY2018/2019)
<a href="#">LSM3241</a>	Genomic Data Analysis	Semester 2	Prof Greg Tucker-Kellogg	Biological Sciences	LSM2102 and LSM2241	LSM2232 and LSM2241 (AY2018/2019)
<a href="#">LSM3242</a>	Translational Microbiology	<a href="#">Semester 2</a>	Dr Volker Patzel	Microbiology & Immunology	LSM2102 and either LSM2101 or LSM3232	LSM2232 and either LSM2211 or LSM3232 (AY2018/2019)
<a href="#">LSM3243</a>	Molecular Biophysics	<a href="#">Semester 2</a>	Prof Yang Daiwen	Biological Sciences	LSM1101	LSM1106 (AY2018/2019)
<a href="#">LSM3245</a>	RNA Biology and Technology	<a href="#">Semester 1</a>	Dr Volker Patzel	Microbiology & Immunology	LSM2102	LSM2232 (AY2018/2019)
<a href="#">LSM3246</a>	Synthetic Biology	<a href="#">Semester 1</a>	A/P Chang, Matthew Wook	Biochemistry	LSM2101 or LSM2102 or LSM2103	LSM2211 or LSM2232 or LSM2233 (AY2018/2019)
<a href="#">LSM3247</a>	Practical Synthetic Biology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Chang, Matthew Wook	Biochemistry	LSM3246	{No change}

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<a href="#">LSM3252</a>	Evolution and Comparative Genomics	<a href="#">Semester 1</a>	Dr Huang Danwei	Biological Sciences	LSM1103	LSM1105 (AY2018/2019)
<a href="#">LSM3254</a>	Ecology of Aquatic Environments	<a href="#">Semester 1</a>	Dr Darren Yeo Chong Jinn	Biological Sciences	LSM2251	{No change}
<a href="#">LSM3255</a>	Ecology of Terrestrial Environments	<a href="#">Semester 2</a>	A/P Webb, Edward Layman	Biological Sciences	LSM2251	{No change}
<a href="#">LSM3256</a>	Tropical Horticulture	<a href="#">Semester 2</a>	A/P Tan Tiang Wah, Hugh	Biological Sciences	LSM1103 and LSM1104	LSM1105 (AY2018/2019)
<a href="#">LSM3258</a>	Comparative Botany	<a href="#">Semester 1</a>	A/P Tan Tiang Wah, Hugh	Biological Sciences	LSM1103 and LSM1104	LSM1105 (AY2018/2019)
<a href="#">LSM3259</a>	Fungal Biology	<a href="#">Semester 2</a>	Dr Choong Mei Fun, Amy	Biological Sciences	LSM1103	LSM2252 (AY2018/2019)
<a href="#">LSM3262</a>	Environmental Animal Physiology	<a href="#">Semester 2</a>	Prof Ip Yuen Kwong	Biological Sciences	LSM1104 or LSM1201	LSM2231 (AY2018/2019)
LSM3264	Environmental Biochemistry	Not offered	-	Biochemistry	LSM1101	LSM1106 (AY2018/2019)
<a href="#">LSM3265</a>	Entomology	<a href="#">Semester 1</a>	Dr Ascher, John Stoskopf	Biological Sciences	LSM2251	{No change}
<a href="#">LSM3266</a>	Avian Biology and Evolution	<a href="#">Semester 1</a>	Dr Rheindt, Frank Erwin	Biological Sciences	LSM1103	LSM2252 (AY2018/2019)
<a href="#">LSM3267</a>	Behavioural Biology	<a href="#">Semester 2</a>	A/P Li Daiqin	Biological Sciences	LSM2251	{No change}
<a href="#">LSM3272</a>	Global Change Biology	<a href="#">Semester 2</a>	Dr Lim Lek Min, Matthew	Biological Sciences	LSM1103	LSM2252 (AY2018/2019)
LSM3273	Ecology, Conservation and Management of Sri Lankan Ecosystems	Special Term Part 1 (To be confirmed)	A/P Webb, Edward Layman	Biological Sciences	LSM2251	{No change}
<a href="#">LSM3288/9</a>	Advanced UROPS in Life Sciences I/II	All	Dr Huang Danwei	LS Teaching Departments	Nil	{No change}
<a href="#">LSM3311/2</a>	UPIP (Undergraduate Professional Internship Programme)	All	A/P Cynthia He	Science Dean's Office	UPIP prerequisites	{No change}
<b>Level 4000</b>						
<a href="#">LSM4199</a>	Honours Project in Life Sciences	Year-long	Prof Ding Jeak Ling Ms Yvonne Fong	LS Teaching Departments	Life Sciences Major with overall CAP of 3.20 or more upon accumulated at least 100MC.	{No change}
<a href="#">LSM4299</a>	Applied Project in Life Sciences	Semester 1 / Semester 2	A/P Cynthia He Ms Yvonne Fong	Biological Sciences	Life Sciences Major with overall CAP of 3.20 or more upon accumulated at least 100MC.	{No change}
<b>BIOMEDICAL SCIENCE (BMS)</b>						

Modules (Click on code for details)	Title	Semester Day-to-day Timetable	Module Coordinator(s)	Department(s)	Prerequisite (AY2017/2018 onwards)	Revised Prerequisite (Effective from)
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	LSM2211 or LSM2232 or LSM2233 (AY2019/2020)
<a href="#">LSM4211</a>	Toxicology	<a href="#">Semester 1</a>	Dr Deron Raymond Herr	Pharmacology	LSM3211	{No change}
<a href="#">LSM4213</a>	Systems Neurobiology	<a href="#">Semester 1</a>	Dr Tan Yong-Yi, Andrew	Physiology	LSM3215 and LSM3216	{No change}
<a href="#">LSM4214</a>	Cancer Pharmacology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Gautam Sethi	Pharmacology	LSM3211	{No change}
<a href="#">LSM4215</a>	Extreme Physiology	Semester 2	Dr Thai Tran Dr Jason Lee	Physiology	LSM3212 and LSM3212	{No change}
<a href="#">LSM4217</a>	Functional Ageing	Semester 2	A/P Manoor Prakash Hande	Physiology	LSM3217 or LSM3224	{No change}
<a href="#">LSM4221</a>	Drug Discovery and Clinical Trials	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	Dr Edward Kai-Hua Chow (I) A/P Tan Chay Hoon (II)	Pharmacology	LSM3211	{No change}
<a href="#">LSM4222</a>	Advanced Immunology	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Lu Jinhua (I) A/P Gan Yunn Hwen (II)	Microbiology & Immunology / Biochemistry	LSM3223	{No change}
<a href="#">LSM4223</a>	Advances in Antimicrobial Strategies	<a href="#">Semester 1</a>	A/P Tan Shyong Wei, Kevin	Microbiology & Immunology	LSM3225 or LSM3232	{No change}
<a href="#">LSM4225</a>	Genetic Medicine in the Post-Genomic Era	<a href="#">Semester 2</a>	A/P Lee Guat Lay, Caroline	Biochemistry	LSM2102	LSM2232 (AY2019/2020)
<a href="#">LSM4226</a>	Infection and Immunity	<a href="#">Semester 1</a> / <a href="#">Semester 2</a>	A/P Alonso, Sylvie (I) A/P Veronique Angeli (II)	Microbiology & Immunology	LSM3223 and either LSM3225 or LSM3232	{No change}
<a href="#">LSM4227</a>	Stem Cell Biology	<a href="#">Semester 1</a> / Semester 2	A/P Chan Woon Khiong	Biological Sciences	LSM2102 and LSM2103	LSM2232 and LSM2233 (AY2019/2020)
<a href="#">LSM4228</a>	Experimental Models for Human Disease and Therapy	<a href="#">Semester 1</a>	A/P Ge Ruowen	Biological Sciences	LSM2103	LSM2233 (AY2019/2020)
<a href="#">LSM4229</a>	Therapeutic and diagnostic agents from animal toxins	<a href="#">Semester 2</a>	Prof Kini RM	Biological Sciences	LSM3211 or LSM3231	{No change}
LSM4252	Reproductive Biology ( <i>title revised</i> ) [Module listed as BMS elective module from AY17/18 onwards.]	<a href="#">Semester 2</a>	A/P Winkler, Christoph	Biological Sciences	LSM3233	{No change}
<b>MOLECULAR AND CELL BIOLOGY (MCB)</b>						
<a href="#">LSM4231</a>	Structural Biology	<a href="#">Semester 2</a>	Prof Yang Daiwen	Biological Sciences	LSM2103	LSM2233 or LSM2234 (AY2019/2020)
<a href="#">LSM4232</a>	Advanced Cell Biology	<a href="#">Semester 1</a>	Dr Chen Zhixiong	Physiology	LSM2103	LSM2233 (AY2019/2020)

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<a href="#">LSM4234</a>	Mechanobiology	<a href="#">Semester 2</a>	Dr Toyama, Yusuke	Biological Sciences	LSM2102 and LSM2103	LSM2232 and LSM2233 (AY2019/2020)
<a href="#">LSM4235</a>	Nuclear Mechanics and Genome Regulation	Semester 2	A/P G V Shivashankar	Biological Sciences	LSM2102	LSM2232 (AY2019/2020)
<a href="#">LSM4241</a>	Functional Genomics	<a href="#">Semester 2</a>	A/P Maxey Chung	Biochemistry	LSM3231	{No change}
<a href="#">LSM4242</a>	Protein Engineering	Semester 1	A/P Pan Shen Quan	Biological Sciences	LSM2232 or LSM3231 (or LSM2102)	{No change}
<a href="#">LSM4243</a>	Tumour Biology	<a href="#">Semester 1</a> / Semester 2	A/P Shen Han-Ming A/P Reshma Taneja	Physiology	LSM2103	LSM2233 (AY2019/2020)
<a href="#">LSM4244</a>	Oncogenes and Signal Transduction	<a href="#">Semester 2</a>	Dr Lim Yoon Pin	Biochemistry	LSM2103	LSM2233 (AY2019/2020)
<a href="#">LSM4245</a>	Advanced Epigenetics and Chromatin Biology	<a href="#">Semester 1</a>	Dr Sudhakar Jha	Biochemistry	LSM1102 and LSM2102	LSM3235 (AY2018/2019)
<a href="#">LSM4251</a>	Plant Growth and Development	<a href="#">Semester 1</a>	Prof Yu Hao	Biological Sciences	LSM3233 or LSM3258 (or LSM2103)	{No change}
<b>ENVIRONMENTAL BIOLOGY (EVB)</b>						
<a href="#">LSM4254</a>	Principles of Taxonomy and Systematics	<a href="#">Semester 1</a>	Prof Meier Rudolf	Biological Sciences	LSM1103	LSM3241 or LSM3252 (AY2018/2019)
<a href="#">LSM4255</a>	Methods in Mathematical Biology	<a href="#">Semester 1</a>	Dr Chisholm, Ryan Alistair	Biological Sciences	GCE `A` Level or H2 Mathematics or equivalent, or MA1301 or MA1301X	{No change}
<a href="#">LSM4256</a>	Evolution of Development	Not offered	A/P Antonia Monteiro	Biological Sciences	LSM3233 or LSM3252	{No change}
<a href="#">LSM4257</a>	Aquatic Vertebrate Diversity	<a href="#">Semester 1</a>	Dr Zeehan Jaafar	Biological Sciences	LSM2252 (or LSM1103) (Preclusion: LSM4266)	{No change}
<a href="#">LSM4261</a>	Marine Biology	Semester 2	A/P Peter Alan, Todd	Biological Sciences	LSM3254	{No change}
<a href="#">LSM4262</a>	Tropical Conservation Biology	<a href="#">Semester 2</a>	Dr Posa, Mary Rose Cervantes	Biological Sciences	LSM3272 or ENV2101	{No change}
<a href="#">LSM4263</a>	Field Studies In Biodiversity	Special Term Part 2	-	Biological Sciences	For Life Sciences Honours students or by departmental approval.	{No change}
<a href="#">LSM4264</a>	Freshwater Biology	Semester 2	Dr Darren Yeo Chong Jinn	Biological Sciences	LSM3254	{No change}
<a href="#">LSM4265</a>	Urban Ecology	Semester 2	Dr Coleman, Joanna	Biological Sciences	LSM2251 and LSM3255	{No change}
<a href="#">LSM4267</a>	Animal Communications and Sensory Ecology	<a href="#">Semester 1</a>	Dr Lim Lek Min, Matthew	Biological Sciences	LSM3267	{No change}
<b>Non-LSM-Prefixed Modules for Life Sciences Major</b>						

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<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	