FACULTY OF ARTS AND EDUCATION / FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT

D351 Bachelor of Teaching (Science)/ Bachelor of Science

2017 SAMPLE COURSE MAP

Student ID:		Student name:	
Deakin email:		Preferred contact number:	
Date:	Year commenced:	eCOE:	Campus:

Last updated 11/04/2017

YEAR 1 Year: Year	Trimester 1	A ___ ___ ___ ___ ___ Arts Major Sequence	A ___ ___ ___ ___ ___ Major Sequence OR Minor sequence	S ___ ___ ___ ___ ___ Science Course - Grouped	S ___ ___ ___ ___ ___ Science Course - Grouped
	Trimester 2	A ___ ___ ___ ___ ___ Arts Major Sequence	A ___ ___ ___ ___ ___ Major Sequence OR Minor sequence	S ___ ___ ___ ___ ___ Science Course - Grouped	S ___ ___ ___ ___ ___ Science Course - Grouped
	Trimester 3*				
YEAR 2 Year: Year	Trimester 1	A ___ ___ ___ ___ ___ Arts Major Sequence	A ___ ___ ___ ___ ___ Major Sequence OR Minor sequence	S ___ ___ ___ ___ ___ Science Course - Grouped	S ___ ___ ___ ___ ___ Science Course - Grouped
	Trimester 2	A ___ ___ ___ ___ ___ Arts Major Sequence	A ___ ___ ___ ___ ___ Major Sequence OR Minor sequence	S ___ ___ ___ ___ ___ Science Course - Grouped	S ___ ___ ___ ___ ___ Science Course - Grouped
	Trimester 3*				
YEAR 3 Year: Year	Trimester 1	A ___ ___ ___ ___ ___ Arts Major Sequence	A ___ ___ ___ ___ ___ Major Sequence OR Elective	S ___ ___ ___ ___ ___ Science Course - Grouped	S ___ ___ ___ ___ ___ Science Course - Grouped
	Trimester 2	A ___ ___ ___ ___ ___ Arts Major Sequence	A ___ ___ ___ ___ ___ Major Sequence OR Elective	S ___ ___ ___ ___ ___ Science Course - Grouped	S ___ ___ ___ ___ ___ Science Course - Grouped
	Trimester 3*				
YEAR 4 Year: Year	Trimester 1	A ___ ___ ___ ___ ___ Arts Major Sequence	A ___ ___ ___ ___ ___ Major Sequence OR Elective	S ___ ___ ___ ___ ___ Science Course - Grouped	S ___ ___ ___ ___ ___ Science Course - Grouped
	Trimester 2	A ___ ___ ___ ___ ___ Arts Major Sequence	A ___ ___ ___ ___ ___ Major Sequence OR Elective	S ___ ___ ___ ___ ___ Science Course - Grouped	S ___ ___ ___ ___ ___ Science Course - Grouped
	Trimester 3*				

* Trimester 3 is optional.

This course map is for illustrative purposes only. Students must meet the course rules and unit requirements as set out in the Handbook (www.deakin.edu.au/handbook/D351). Deakin University reserves the right to alter, amend or delete details of course offerings and other information published herein. Students are advised to check the relevant Handbook online (at the above link) for the most up-to-date information relating to their course structure and available units.

Student signature:

Course adviser:

See page 2 for Course Progress Check instructions

KEY

- **B** Melbourne Burwood Campus
- **S** Geelong Waterfront Campus
- **G** Geelong Waurn Ponds Campus
- **W** Warrnambool Campus
- **X** Cloud Campus

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Course Progress Check

A Student Adviser will check your units and will confirm your course plan or provide advice as needed.
For course rules please visit: www.deakin.edu.au/handbook/D351

1. Have you checked the course rules in the Handbook of the year you commenced your studies? ☐
2. Have your checked your course progression in StudentConnect? ☐
3. Submit this form to the Faculty Student Centre or send it via email to sebe@deakin.edu.au or artsed@deakin.edu.au.

D351 Course Rules - I understand that to qualify for the award of Bachelor of Teaching (Science)/Bachelor of Science (D351) I must complete 32 credit points. 16 credit points in each of the Faculty. Course requirements for both degrees must be satisfied.

I understand that to qualify for the Education component:

- ☐ I must complete a total of 16 core Education credit points
- ☐ I must complete 2 curriculum study units in a first teaching method area and 2 curriculum study units in a second teaching method area
- ☐ I must complete a minimum of 80 days of supervised professional experience

I understand that to qualify for the Science component:

- ☐ I must complete 6 core units
- ☐ I must complete either SLE133 Chemistry in Our World (for students who did not complete Year 12 Chemistry) or SLE155 Chemistry for the Professional Sciences (for students who completed Year 12 Chemistry)
- ☐ I must complete SLE010 Laboratory and Fieldwork Safety Induction Program (0 credit point compulsory unit; must be completed before classes commence)
- ☐ I must complete STP010 Induction to Work Placements (0 credit point compulsory unit)
- ☐ I must complete 6 credit point Science major sequence and 3 credit points in a single discipline area of another approved Science major sequence
- ☐ I understand that if I decide to complete my studies with only one of these two degrees, I will come and speak to a Course Adviser for assistance
- ☐ I understand that this course map is for illustrative purposes only and that it is my responsibility to check the Handbook on the Deakin website for the most up-to-date information available: www.deakin.edu.au/students/university-handbook

Unspecified and specified credits

Level 1:
Level 2:
Level 3:

Course adviser:

Student signature:

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Major Sequences:

- Animal Biology (MJ-S000064)
- Cell Biology (MJ-S000065)
- Plant Biology (MJ-S000070)
- Human Biology (MJ-S000068)
- Environmental Science (MJ-S000011)
- Natural History (MJ-S000069)
- Chemistry and Material Science (MJ-S000066)
- Mathematical Modelling (MJ-S000007)

Students completing a biology major or minor may only choose to do one (of the 5) biological science-related disciplines as a major or minor sequence from the list below:

- Cell Biology
- Animal Biology
- Human Biology
- Plant Biology
- Natural History

Their second sequence must be chosen from one of the 'non' biology sequences as follows:

- Chemistry and Material Science
- Mathematical Modelling
- Environmental Science

Note: All D351 students must undertake both a major and minor sequence within their BSc component of the combined course. SLE111 Cells and Genes may be counted as part of the minor sequence.

Science Core requirements:

Unit	Unit Title	Trimester	Offered	Prerequisite
Core Science Units:				
SLE111	Cells and Genes	T1 T3	B, W, G B	Nil
SLE103	Ecology and the Environment	T1 T3	B, W, G B	Nil
EES200	Communicating Science	T1	B, G	Nil
SEP122	Physics for the Life Sciences	T2	B, G, W	Nil
SIT191	Introduction to Statistics and Data Analysis	T1	B, G, W, X	Nil
SLE133	Chemistry in Our World	T1 T3	B, G, W B	Nil (Students who have successfully completed VCE Chemistry 3 and 4 or equivalent are normally advised to choose an elective in place of this unit)
SLE155	Chemistry for the Professional Sciences	T2	B, G	Nil (Students, who have not successfully completed VCE Chemistry 3 and 4, or equivalent, are advised to first complete SLE131 or SLE133)
^Note: Students who have not completed Year 12 Chemistry or equivalent may choose to do SLE133 Chemistry in Our World in Trimester 1. Students who have completed Year 12 Chemistry or equivalent may choose to do SLE155 Chemistry for the Professional Sciences in Trimester 2.				
SLE209	History and Philosophy of Science	T2	X	Must have passed 4 credit points
SLE352	Community Science Project	T2	B, G	STP010 and one of SIT191, SIT194, HPS201 or SLE251

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Major Sequence requirements:

Animal Biology (MJ-S000064)		**CP**	**Campus**	**Period**	**Prerequisite**
SLE132	Biology: Form and Function	1	B, G, W	T2	Nil
SLE204	Animal Diversity	1	B, G	T1	SLE111 or SLE132
SLE205	Vertebrate Structure and Function	1	B, G	T2	SLE132
SLE315	Comparative Animal Physiology	1	X	T2	One of SLE204, SLE211, SLE232, SLE255 or SLE221
SLE350	Marine Wildlife (T3)	1	B, G, W	T3	Two level 2 SLE-coded units. Please note that entry to this unit is via application and requires approval of the Unit Chair.
SLE370 **or** SLE372	Evolution **or** Evolutionary Ecology	1 1	B, X G	T1 T1	One of SLE204, SLE205, SLE254 plus one other level 2 SLE-coded unit. SLE103 and SLE204, and one of SLE111 or SLE254, plus any two
Cell Biology (MJ-S000065)		**CP**	Campus		
SLE212	Biochemistry	1	B, G	T1	SLE152 or SLE155
SLE254	Genetics	1	B, G, W	T2	SLE111 or SLE144
SLE206	Cell Biology	1	B (T2) G (T3)	T2, T3	SLE111
SLE222	Biochemical Metabolism	1	B, G	T2	SLE152 or SLE155
SLE346	Molecular Basis of Disease	1	B, G	T2	SLE212 and one of SLE206, SLE211, SLE222 or SLE214
SLE340 **or** SLE321	Genomes and Bioinformatics **or** Molecular Biology Techniques	1 1	G	T1 T1	SLE254 One of SLE206, SLE221, SLE234 or SLE254
Plant Biology (MJ-S000070)		**CP**	Campus	**Period**	**Prerequisite**
SLE132	Biology: Form and Function	1	B, G, W	T2	Nil
SLE203	Plant Biology	1	B	T1	One of SLE103, SLE111, SLE132 or SLE151
SLE237	Biogeography (T3)	1	B	T3	One of SLE102, SLE103, SLE111, SLE115, SLE132, SLE136 or SLE151
SLE310	Pest Plants and Animals	1	B	T1	Two level 2 SLE-coded units.
SLE317	Australian Vegetation and Its Management	1	B	T2	Two level 2 SLE-coded units.
SLE370	Evolution	1	B, X	T1	One of SLE204, SLE205, SLE254 plus one other level 2 SLE-coded unit.
Human Biology (MJ-S000068)		**CP**	Campus	**Period**	**Prerequisite**
SLE132	Biology: Form and Function	1	B, G, W	T2	Nil
SLE254	Genetics	1	B, G	T2	SLE111 or SLE144
SLE211	Principles of Physiology	1	B, G	T1	One of SLE111, HBS109 or SLE132
SLE221	Systems Physiology	1	B, G	T2	One of SLE111, HBS109, SLE132
SLE323	Advanced Topics in Biomedical Science	1	B, G	T1	Any two of SLE221, SLE222, SLE254 or SLE234
SLE339 **or** SLE340	Human Genetics **or** Genomes and Bioinformatics	1 1	B G	T2 T1	SLE206 or SLE254 SLE254
Environmental Science (MJ-S000011)		**CP**	Campus	**Period**	**Prerequisite**
SLE102	Physical Geography	1	B, G	T2	Nil
SLE239	Introduction to Geographic Information Systems	1	X	T2	Nil

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SLE231	Hydrology and Water Resources Management	1	B	T1	One of SLE101, SLE102 or SLE239
SLE202	Landscape Evolution	1	B	T1	SLE102
SHD301	Creating Sustainable Futures	1	B, W	T2 T3	Must have completed 6 credit point units at Level 2 or higher.
SLE322	Landscape Ecology	1	B	T1	Two level 2 SLE-coded units.
Natural History (MJ-S000069)		**CP**	Campus	**Period**	**Prerequisite**
SLE136	Life on an Evolving Planet	1	B	T2	Nil
SLE204	Animal Diversity	1	B, G	T1	SLE111 or SLE132
SLE203	Plant Biology	1	B	T1	One of SLE103, SLE111, SLE132 or SLE151
SLE237	Biogeography (T3)	1	B	T3	One of SLE102, SLE103, SLE111, SLE115, SLE132, SLE136 or SLE151
SLE370	Evolution	1	B, X	T1	One of SLE204, SLE205, SLE254 plus one other level 2 SLE-coded unit.
SLE395	Palaeobiology	1	B, X	T1	One of SLE102, SLE136, SLE103 or plus two level 2 units.
Chemistry and Materials Science (MJ-S000066)		C P	Campus	**Period**	**Prerequisite**
Note: students undertaking this major sequence must have completed SLE155 Chemistry for the Professional Sciences (prereq to SLE210)					
SLE210	Chemistry the Enabling Science	1	B, G	T1	SLE152 or SLE155
SLE214	Organic Chemistry	1	B, G	T2	SLE152 or SLE155
SLE235	Chemical Systems (T3)	1	B	T3	SLE152 or SLE155
SLE212	Biochemistry	1	B, G	T1	SLE152 or SLE155
SLE330	Materials Chemistry	1	B	T1	One of SLE210, SLE214, SLE235
SLE338	Electrochemistry for a Sustainable Future	1	B	T2	One of SLE210, SLE214, SLE235
Mathematical Modelling (MJ-S000007)		**CP**	Campus	**Period**	**Prerequisite**
SIT194	Introduction to Mathematical Modelling	1	B, G, X	T2	Nil
SIT192	Discrete Mathematics	1	B, G, X B, X	T1 T2	Nil
SIT291	Mathematical Methods for Information Modelling	1	B, X	T1	SIT194
SIT292	Linear Algebra for Data Analysis	1	B, X	T2	SIT192
SIT396	Complex Analysis	1	B, G, X	T2	Two units chosen from SIT291, SIT292, SIT294
SIT399	Computational Decision Analysis	1	B, X	T1	One of SIT291, SIT292, SIT281, SIT294

Mathematical Modelling sub-major sequence for D351 Bachelor of Teaching (Science)/Bachelor of Science students (for students who have not completed VCE Mathematical Methods 3 & 4):

SIT192 Discrete Mathematics

SIT190 Introductory Mathematical Methods

SLE251 Research Methods and Data Analysis

SIT292 Linear Algebra for Data Analysis

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