RECOMMENDED STUDY PLAN 2018

NAME _____ **STUDENT NUMBER** _____

DEGREE PROGRAM **Graduate Diploma of Science** **MAJOR** **Marine Biology (MBY)**

Level 5: Year 1

SP3	SP1	SP6/7	SP2	SP10/SP11
	Major Core:	**Major Skill Core:** MB5300 Sampling and Experimental Design# ***OR*** SC5502:03 Design and Analyses in Ecological Studies-NEW 2019^	**Major Core:**	
	Major Opt Skill Core-List B *SC5202-Required if you have not already completed a statistics subject at university*		**Major Opt Skill Core-List B**	
	Elective:		**Elective:**	
			Elective:	

Note-Boxes without specific subjects listed in them may be rearranged to meet your course needs as long as the total number of subjects and degree structure is met. For example, you may choose to move an elective in Year 2 into Year 1. You may also choose to delay a skill subject or BZ5745 until Year 2.

Note-#Prerequisite for this subject is a basic statistics course from university.

Note^-SC5502 is NEW for 2019 and the SP has yet to be confirmed.

Additional Notes:

The Graduate Diploma of Science has the following structure:

1. 2 subjects/6cp of theory for your MAJOR CORE
2. 3 subjects/9cp of SKILL subjects for your major
    a. 1 compulsory skill subject for your major
    b. 2 skill subjects from List B
3. 3 subjects/9cp of ELECTIVES (see recommended list below)

It is generally recommended to take 8 subjects per year, with 3 — 4 in SP1 and SP2 and additional subjects in block mode periods (SP3, SP7, SP10 /11) as necessary.

You need to have fulfilled the 'Assumed Knowledge' or Prerequisites for any subject, before you take them. These are listed in the subject's description online which can be found by searching for a subject within **Subject Search** (*https://secure.jcu.edu.au/app/studyfinder/*). For example, EV5502-Advanced GIS assumes you have already taken EV5505—Introduction to GIS or an equivalent at JCU or at your previous university.

Full subject descriptions and timings of all subjects can be found online using the Subject Search tool.

Major Core Subjects: Please select 2 subjects /6cp from the list of **Optional Major Core Subjects.**

Optional Major Core Subjects (Select 2 subjects)			
SP1	**SP6/7**	**SP2**	**SP10/SP11**
MB5055 Biological Oceanography		MB5190 Coral Reef Ecology	
		MB5270 Coastal and Mangrove Ecosystems	
		MB5004 Marine Conservation Biology	

Skill Subjects:

In addition to the **Major Core Skill Subject**, choose 2 subjects /6cp from **List B**. You must meet the Assumed Knowledge or Prerequisites for any subject selected. See Additional Notes for more details.

Optional Skill Subjects-List B (Select 2 subjects)			
SP1	**SP6/7**	**SP2**	**SP 10/SP11**
SC5202 Quantitative Methods in Science	BZ5990 Toolkit for the Field Biologist	EV5110 Environmental and Social Impact Assessment	AQ5004 Aquaculture Stock Improvement-TSV
BS5260 Modelling Ecological Dynamics-*Next availability 2019*	EA5018 Field Studies in Tropical Land & Water Science-CNS LTD	EV5505 Introduction to Geographic Information Systems	EV5502 Advanced GIS-TSV* **Note there is an error in the course paperwork. EV5502 is the option and* ***NOT*** EV5505:03 Introduction to GIS as

			your online study plan may indicate.
	EA5330 Field Techniques-TSV *Note-This subject be substituted with EA5044-Geological Mapping-TSV in 2019*	SC5502 Design and Analysis in Ecological Studies-NEW 2019^	EV5506 Remote Sensing-CNS LTD
			SC5232 Marine Sensor Technologies and Applications-TSV *NEW 2019*

Note^-SC5502 is NEW for 2019 and the SP has yet to be confirmed.

Note-List 1 also includes the following full semester mode TSV subjects if you are interested CH5203-SP2, *BC5203-SP2, BZ3450-SP2, MA5405-SP2.*

Note-List 1 also includes the full semester mode TSV subject BZ3450-SP2 if you are interested.

Elective subjects:

Your degree structure allows you to take 3 subjects/9 cp from any Level 5 subject with a prefix subject code of: AQ, BS, BZ, CH, EA, EV, MA, MB, MI, SC or TV.

Recommended elective subjects for this Major: The recommended elective subject sets for specific career pathways and/or or study areas:

TOPIC	STUDY PERIOD
Coral Reefs	
MB5400:03 Life history & evolution of reef corals	1
EV5406:03 Coral Reef Geomorphology	1
MB5160:03 Evolution and Ecology of Reef Fishes	2
MB5190:03 Coral Reef Ecology	2
Taxa specialisations	
MB5160:03 Evolution and Ecology of Reef Fishes	1
MB5400:03 Life History & Evolution of Reef Corals	1
EV5203:03 Conserving Marine Wildlife: Sea Mammals, Birds and Reptiles	1
MB5380:03 Invertebrate Biology	2

Ecology	
MB5160:03 Evolution and Ecology of Reef Fishes	2
AQ5007:03 Aquatic Animal Ecophysiology	2
MB5270:03 Coastal, Estuarine & Mangrove Ecosystems	2
MB5450:03 Behaviour of Marine Animals	7
Biology	
MB5160:03 Evolution and Ecology of Reef Fishes	1
MB5400:03 Life History & Evolution of Reef Corals	1
MI5003:03 Advanced Marine Microbiology	1
MB5380:03 Invertebrate Biology	2
AQ5007:03 Aquatic Animal Ecophysiology	2
MB5070:03 Marine Biogeography	1
Foundations	
BS5470:03 Evolution	1
MB5380:03 Invertebrate Biology	2
BS5460:03 Fundamentals of Ecology	2
Applied Studies: Fisheries & Aquaculture	
MB5310:03 Marine Reserves as Fisheries Management Tools	3
AQ5006:03 Principles and Practices of Aquaculture	1
MB5003:03 Fisheries Science	1
AQ5015:03 Sustainable Aquaculture	7
MB5610:03 Fishing Gear and Technologies	2
EV5014:03 Managing Tropical Fisheries	10
Applications for Conservation	

EV5020:03 Human Dimensions of Nature, Environment and Conservation	1
EV5107:03 Environmental Management Policy & Governance	3
BZ5450:03 Ecological & Conservation Genetics	2
EV5003:03 Environmental Economics	2
Coastal Resource Management	
EV5406:03 Coral Reef Geomorphology	1
EV5203:03 Conserving Marine Wildlife: Sea Mammals, Birds and Reptiles	1
EV5020:03 Human Dimensions of Nature, Environment and Conservation	1
EV5701:03 Managing Coastal and Marine Environments	1
MB5270:03 Coastal, Estuarine & Mangrove Ecosystems	2
Unique Ecosystems	
SC5810 Marine Ecology and Upwelling*	7 (Galapagos)
MB5001:03 Tropical Marine Ecology and Coastal Impacts	10 (Thailand)