Addendum to the Programme Specification

8570 MSci Zoology

This Addendum has been produced to highlight the key changes made to the existing Programme Specification as a result of the University's response to the Covid-19 Pandemic. You should read it in conjunction with the relevant Programme Specification

Programme Specification for entry in 2020-21

University level information

In view of COVID-19, the University has had to make changes to some elements of programme delivery for 2020-21. These changes have included the method of delivery, such as face-to-face and online, and the number of modules available.

The University aims to provide as much of a face-to-face component to your education as prevailing conditions at the time allow, combined with its new blended approach that will develop active independent and group online learning.

As the COVID-19 pandemic develops, the University's response to this and other issues may likewise need to evolve. The University will consult with student representatives as necessary and appropriate and will communicate changes to you as soon as practicable so that you have the information you need to understand how a change may impact you and what steps you need to take next. The University remains committed to supporting you as you learn.

Programme Information

In light of Covid-19, there will be a change to how some group work tasks will be organised.

The field course modules to Spain (BIOL2055) and Belize (BIOL3070) will be offered in line with current social distancing and local and international guidelines.

All modules with practical components or group work will be scheduled to allow for smaller groups, and appropriate social distancing protocols will be in place when using facilities.

For Ecology and Conservation Students, the Compulsory modules BIOL2041 (New Forest Field Course) and BIOL2047 (Animal Conservation) have been merged into BIOL2041 (Conservation Management Field Course). The learning objectives/outcomes for both of the original modules will be met in the new BIOL2041, and the new module remains an optional module of Biology and Zoology students.

Programme Structure

Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note that, in some instances, modules have limited spaces available

Programme	MSci Zoology
Term	2020-2021 Academic Session (202021)
Campus	Southampton campuses
Faculty	Environmental and Life Sci
Degree	Master of Science (Integrated)
Level of Study	Undergraduate
Credit Requirement	480
Minors	None

Part	Credit required	Courses Required
MSci Zoology Part 1	120	
MSci Zoology Part 2	120	
MSci Zoology Part 3	120	
MSci Zoology Part 4	120	

Programme:	MSci Zoology
Term:	2020-2021 Academic Session (202021)
Area title:	MSci Zoology Part 1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester / Term
BIOL 1024	Fundamentals of Biochemistry	30	No	Full Academic Year
BIOL 1025	Fundamentals of Cell Biology &Physiology	30	No	Full Academic Year
BIOL 1029	Origins of Biodiversity	30	No	Full Academic Year
BIOL 1030	How to Think Like a Scientist	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester / Term
Rule 1	**Compulsory / Optional Modules** **You must take 15 credits (one module) of Chemistry, either BIOL1028 if you have studied A level Chemistry (or an equivalent level of qualification), or CHEM1012 if you have not.** **Please note this module will become compulsory once chosen.**		
BIOL 1028	Chemistry of Life	15	Semester 1
CHEM 1012	Introduction to Chemistry	15	Semester 1

Programme:	MSci Zoology
Term:	2020-2021 Academic Session (202021)
Area title:	MSci Zoology Part 2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester / Term
BIOL 2001	Evolution	15	No	Semester 1
BIOL 2008	Quant Methods in Biology & Env Sci	15	No	Semester 1
BIOL 2039	Animal Behaviour	15	No	Semester 2
BIOL 2045	Vertebrate Development	15	No	Semester 2
BIOL 2055	Behaviour & Ecology Field Course	15	No	Semester 2
SOES 2011	Marine Vertebrates	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module		Credit	Semester / Term
Rule 1	**Select 2 modules** **Please ensure you select an even split of credits overall by semester including your compulsory modules.**		
BIOL 2004	Pure and Applied Population Ecology	15	Semester 1
BIOL 2007	Plant Development and Function	15	Semester 2
BIOL 2010	Flow of Genetic Information	15	Semester 1
BIOL 2013	Bioinformatics	15	Semester 1
BIOL 2022	Immunology, Infection and Inflammation	15	Semester 2
BIOL 2038	Environmental Microbiology	15	Semester 2
BIOL 2041	Conservation management field course	15	Semester 2
BIOL 2051	Principles of Neuroscience	15	Semester 1
ENVS 2007	Environmental Pollution	15	Semester 1
GEOG 2007	Remote Sensing for Earth Observation	15	Semester 1

GEOG 2010	Introductory Geographic Information Systems	15	Semester 1
GEOG 2032	Global Climate Change: Science, Impacts and Policy	15	Semester 2
SOES 2006	Phytoplankton and Primary Production	15	Semester 2
SOES 2017	Marine Benthic Ecology	15	Semester 2
SOES 2032	Palaeobiology	15	Semester 2

Programme:	MSci Zoology
Term:	2020-2021 Academic Session (202021)
Area title:	MSci Zoology Part 3

Optional Modules

You must choose from the following modules:

Module		Credit	Semester / Term
Rule 1	**Independent Study Modules** **a total of 30 credits over the third year**		
BIOL3034	Laboratory research project	30	Full Academic Year
BIOL3061	Field research project	30	Full Academic Year
BIOL3069	In-silico research project	30	Full Academic Year
Rule 2	**Optional Modules** **Select 90 credits (six modules) from the following optional modules. Please ensure you select an even split of credits overall by semester including your compulsory modules.**		
BIOL 3001	Current Topics in Cell and Developmental Biology	15	Semester 1
BIOL 3003	Plant Cell Biology	15	Semester 1
BIOL 3010	Evolution and Genetics	15	Semester 2
BIOL 3013	Molecular Recognition	15	Semester 2
BIOL 3014	Molecular Cell Biology	15	Semester 1
BIOL 3015	Regulation of Gene Expression	15	Semester 1
BIOL 3017	Molecular and Structural Basis of Disease	15	Semester 2

BIOL 3018	Molecular Pharmacology	15	Semester 2
BIOL 3020	Systems Neuroscience	15	Semester 2
BIOL 3021	Cellular and Molecular Neuroscience	15	Semester 1
BIOL 3022	Cell Signalling in Health and Disease	15	Semester 2
BIOL 3025	Neuropharmacology of CNS Disorders	15	Semester 1
BIOL 3027	Selective Toxicity	15	Semester 1
BIOL 3037	Immunology	15	Semester 1
BIOL 3048	Neurodegenerative Disease	15	Semester 2
BIOL 3051	Applied Plant Biology	15	Semester 2
BIOL 3052	Biomedical Technology	15	Semester 2
BIOL 3053	Biodiversity and Conservation	15	Semester 1
BIOL 3057	Biofilms and Microbial Communities	15	Semester 2
BIOL 3063	Bioinformatics and Systems Biology	15	Semester 1
BIOL 3064	Cancer Chromosome Biology	15	Semester 1
BIOL 3065	Biomedical Parasitology	15	Semester 2
BIOL 3067	Evolution and Development	15	Semester 1
BIOL 3068	Fluxes, Cycles and Microbial Communities	15	Semester 2
BIOL 3070	Tropical Ecology Field Course	15	Semester 2
BIOL 3072	Behavioural Ecology	15	Semester 1

Programme:	MSci Zoology
Term:	2020-2021 Academic Session (202021)
Area title:	MSci Zoology Part 4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester / Term
BIOL 6053	Current Research	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester / Term
Rule 1	**Core Research Project** **Select one of the following research project modules. Please note once this module is chosen it will become**		

	core.		
BIOL 6013	Advanced Research Project	60	Full Academic Year
BIOL 6069	Advanced Field Research Project	60	Full Academic Year
Rule 2	**Optional Skills Modules** **Select 1 to 2 modules (15-30 credits) from the following skills modules:**		
BIOL 6093	Skills in Structural Biology	15	Semester 1
BIOL 6095	Skills in Molecular Bioscience	15	Semester 1
BIOL 6096	Global Challenges in Biology	15	Semester 2
BIOL 6097	Skills in Biological Optical Imaging	15	Semester 1
Rule 3	**Optional Modules** **Select 30 credits (2 modules) from the following**		
BIOL 6010	Applied Ecology	15	Semester 1
BIOL 6021	Current Topics in Cell and Developmental Biology	15	Semester 1
BIOL 6028	Global Change Biology	15	Semester 2
BIOL 6030	Molecular Cell Biology	15	Semester 1
BIOL 6034	Systems Neuroscience	15	Semester 2
BIOL 6035	Cellular and Molecular Neuroscience	15	Semester 1
BIOL 6038	Immunology	15	Semester 1
BIOL 6041	Biomedical Technology	15	Semester 2
BIOL 6044	Plant Cell Biology	15	Semester 1
BIOL 6046	Applied Plant Biology	15	Semester 2
BIOL 6052	Data Management and Generalised Linear Modelling for	15	Semester 1
BIOL 6066	Biodiversity and Conservation	15	Semester 1
BIOL 6071	Cancer Chromosome Biology	15	Semester 1
BIOL 6074	Bioinformatics and Systems Biology	15	Semester 1
BIOL 6076	Biomedical Parasitology	15	Semester 2