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BoZo COURSE PLANNER 2008

Enquiries: (02) 6125-2866 or BoZo.admin@anu.edu.au

Bachelor of Science: Majors and Double Majors relevant to the study of Ecology, Conservation Biology, Genetics, Animal and Plant Biology at the ANU

ZOOLOGY

Minimum of 42 units
must include:

BIOL1009 Diversity of Life

At least 6 units of:
BIOL2111 Australian Wildlife
BIOL2112 Marine Biology
BIOL2154 Evolution of Biodiversity

At least 18 units of:
BIOL3103 Sensory Physiology & Anim. Behaviour
BIOL3115 Entomology
BIOL3131 Evolutionary & Behavioural Ecology
BIOL3132 Field Studies in Behavioural Ecology
BIOL3138 Special Topics in Ecology, Evolution & Systematics†
BIOL3139 Special Topics in Ecology, Evolution & Systematics†
BIOL3142 Parasitology
BIOL3151 Population Genetics
BIOL3116 Marine Ecology
BIOL 3153 Conservation Biology

At least 12 units of:
STAT3008 Applied Statistics
Any course with BIOL prefix
Any course with a BIAN prefix

PLANT SCIENCE

Minimum of 42 units
must include:

BIOL1009 Diversity of Life

At least 6 units of:
BIOL2121 Plants: genes to environment
BIOL2122 Australian Plant Diversity
BIOL2142 General Microbiology
BIOL2154 Evolution of Biodiversity
SRES2016 Landscape Systems 1: Landforms & Soils
SRES2019 Landscape Systems 2: Vegetation Ecology

At least 18 units of:
BIOL3102 Ecology of Disease
BIOL3125 Plants and global climate change
BIOL3138 Special Topics in Ecology, Evolution & Systematics†
BIOL3139 Special Topics in Ecology, Evolution & Systematics†
BIOL3177 Advances in Molecular Plant Science
BIOL3116 Marine Ecology
SRES3022 Environmental Biogeog. & Global Ecology
BIOL 3153 Conservation Biology

At least 12 units of:
SRES3014 Vegetation Management
SRES3008 Fire in the Environment
STAT3008 Applied Statistics
Any course with a BIOL prefix

BIOL1003 and BIOL1004 are strongly recommended (but not compulsory) as the two courses that should be done by all students intending to major in any area of biology.
Students can take a maximum of FOUR first year biology courses

When planning majors, students should first check the prerequisite requirements for each later-year course.

First year students who plan to major in Biology should use Package 2 as a guide to enrollong in their first year courses (see Handbook for details)

EVOLUTION & ECOLOGY

Minimum of 42 units
must include:

BIOL1003 Evolution, Ecology & Genetics

At least 6 units of:
BIOL2131 Population Ecology
BIOL2151 Introductory Genetics
BIOL2154 Evolution of Biodiversity

At least 18 units of:
BIOL3102 Ecology of Disease
BIOL3103 Sensory Physiology & Anim. Behaviour
BIOL3115 Entomology
BIOL3125 Plants and Global Climate Change
BIOL3131 Evolutionary & Behavioural Ecology
BIOL3132 Field Studies in Behavioural Ecology
BIOL3138 Special Topics in Ecology, Evolution & Systematics†
BIOL3139 Special Topics in Ecology, Evolution & Systematics†
BIOL3151 Population Genetics
BIOL3157 Advanced Genetics and Bioinformatics
BIOL3116 Marine Ecology
BIOL 3153 Conservation Biology
STAT3008 Applied Statistics
Including at least 6 units of:
BIOL3131 or BIOL3151

At least 12 units of:
SRES2015 Introduction to Remote Sensing & GIS
SRES2004 Weather,Climate & Fire
SRES2016 Landscape Systems 1: Landforms & Soils
SRES2019 Landscape Systems 2: Vegetation Ecology
SRES3008 Fire in the Environment
SRES3022 Environmental Biogeog. & Global Ecology
SRES3013 Climatology
SRES3020 Greenhouse Science & Policy
SRES3029 Palaeoenvironmental Reconstruction
SRES3005 Water Resource Management
Any course with BIOL prefix
Any course with a BIAN prefix

EVOLUTION & ECOLOGY DOUBLE MAJOR

Minimum of 60 units
must include:

BIOL1003 Evolution, Ecology & Genetics
BIOL2131 Population Ecology
BIOL2151 Introductory Genetics
BIOL2154 Evolution of Biodiversity

At least 30 units of:
BIOL3102 Ecology of Disease
BIOL3103 Sensory Physiology & Anim. Behaviour
BIOL3115 Entomology
BIOL3125 Plants and Global Climate Change
BIOL3131 Evolutionary & Behavioural Ecology
BIOL3132 Field Studies in Behavioural Ecology
BIOL3138 Special Topics in Ecology, Evolution & Systematics†
BIOL3139 Special Topics in Ecology, Evolution & Systematics†
BIOL3151 Population Genetics
BIOL3157 Advanced Genetics and Bioinformatics
BIOL3116 Marine Ecology
BIOL 3153 Conservation Biology
STAT3008 Applied Statistics
Including at least 6 units of:
BIOL3131 or BIOL3151

At least 6 units of:
SRES2015 Introduction to Remote Sensing & GIS
SRES2004 Weather,Climate & Fire
SRES2016 Landscape Systems 1: Landforms & Soils
SRES2019 Landscape Systems 2: Vegetation Ecology
SRES3008 Fire in the Environment
SRES3022 Environmental Biogeog. & Global Ecology
SRES3013 Climatology
SRES3020 Greenhouse Science & Policy
SRES3029 Palaeoenvironmental Reconstruction
SRES3005 Water Resource Management
Any course with BIOL prefix
Any course with a BIAN prefix

GENETICS

Minimum of 42 units
must include:

BIOL1003 Evolution, Ecology & Genetics
BIOL1004 Molecular Biology

At least 6 units of:
BIOL2151 Introductory Genetics
BIOL2152 Advances in Human Genetics
BIOL2161 Genes: Replication & Expression
BIOL2162 Molecular Biotechnology

At least 18 units of:
BIOL3131 Evolutionary & Behavioural Ecology
BIOL3138 Special Topics in Ecology, Evolution & Systematics†
BIOL3139 Special Topics in Ecology, Evolution & Systematics†
BIOL3151 Population Genetics
BIOL3157 Advanced Genetics and Bioinfomatics
BIOL3161 Genomics and its Applications
BIOL3177 Advances in Molecular Plant Science
BIOL3181 Current Topics in Development & Molecular Biology **
BIOL3174 Research Projects *
BIOL3175 Research Projects *
BIOL3191 Biotechnology in Context

At least 12 units of:
BIAN2115 Race and Human Genetic Variation
STAT3008 Applied Statistics
Any course with a BIOL prefix

All students are encouraged to take at least one CHEMISTRY course.
Students taking later year BaMBi courses must complete both first year Chemistry courses: CHEM1101 and CHEM1102
Chemistry courses have a school prerequisite. See the Handbook for details.

† Specialised BoZo third year courses available only with permission
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GENETICS DOUBLE MAJOR

Minimum of 60 units
must include:

BIOL1003 Evolution, Ecology & Genetics
BIOL1004 Molecular Biology
BIOL2151 Introductory Genetics
BIOL2161 Genes: Replication & Expression
BIOL3157 Advanced Genetics and Bioinfomatics
BIOL3161 Genomics and its Applications

At least 24 units of:
BIOL3131 Evolutionary & Behavioural Ecology
BIOL3138 Special Topics in Ecology, Evolution & Systematics†
BIOL3139 Special Topics in Ecology, Evolution & Systematics†
BIOL3151 Population Genetics
BIOL3174 Research Projects *
BIOL3175 Research Projects *
BIOL3177 Advances in Molecular Plant Science
BIOL3181 Current Topics in Development & Molecular Biology **
BIOL3191 Biotechnology in Context
STAT3008 Applied Statistics