

# ANIMAL BEHAVIOUR

*Animal behaviour is the study of behaviour patterns in animals (including humans), and of how the behaviour of individuals helps to determine the density and distribution of populations. Knowledge of animal behaviour is of increasing importance in areas such as evolutionary biology, conservation, and the efficient and humane management of farm animals.*

Graduates in animal behaviour will be able to use both biological and psychological approaches to address issues in the fields of animal conservation, wildlife management, animal welfare and the fundamental study of behaviour. They will find employment in the behavioural sciences at local, national and international levels in the agricultural, conservation, and animal management industries.

## CONTACTS FOR ANIMAL BEHAVIOUR

This subject is jointly taught between the Department of Biological Sciences and the School of Psychology.

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## Degrees

Animal Behaviour is available as an interdisciplinary major for the Bachelor of Science or Bachelor of Science (Technology) degrees.

## Animal Behaviour Interdisciplinary Major

### General Structure of an Animal Behaviour Interdisciplinary Major for the BSc and BSc(Tech) degrees

<b>100 LEVEL</b>	<b>BIOL102</b> 15 points	<b>PSYC103</b> 15 points	<p><b>100 Level</b> – Recommended prerequisites: BIOL102 The Biology of Organisms, and PSYC103 General and Experimental Psychology.</p> <p><b>200 Level</b> – BIOL234 Functional Animal Biology, PSYC206 Animal Behaviour: Principles and Applications, PSYC225 Behavioural Psychology and Learning, and choose one of: PSYC226 The Psychology of Perception, or PSYC227 Physiological Psychology.</p> <p><b>300 Level</b> – BIOL333 Advanced Animal Behaviour, BIOL338 Advanced Zoology, and PSYC314 Behavioural Analysis.</p>	
<b>200 LEVEL</b>	<b>BIOL234</b> 20 points	<b>PSYC206</b> 20 points		<b>PSYC225</b> 10 points <b>PSYC226 or PSYC227</b>
<b>300 LEVEL</b>	<b>BIOL333</b> 20 points	<b>BIOL338</b> 20 points		<b>PSYC314</b> 20 points

## Specialisations

Students may undertake the following specialisations for the BSc and BSc(Tech) major in Animal Behaviour.

» Agribusiness	*
» Science International	page 157
» Te Pūtaiao me ngā take Māori	page 162

*\*Enrolment in this specialisation should be completed in consultation with both the Faculty of Science & Engineering and the Waikato Management School.*

## Choosing Papers

### Animal Behaviour Interdisciplinary Major

To complete a major in Animal Behaviour, students must complete 120 points above 100 Level, including 60 points at 300 Level, from compulsory papers.

Please note that the paper PSYC307 Research Methods is a prerequisite for many Psychology graduate papers.

#### 100 Level – Papers are worth 15 points.

##### *Prerequisites*

- » BIOL102A – The Biology of Organisms
- » PSYC103A – General and Experimental Psychology

Students are strongly advised to include the following paper

- » BIOL101B – Cellular and Molecular Biology

##### *Highly recommended papers*

- » CHEM101A – Chemical Concepts
- » COMP123A/B/S – The Computing Experience
- » ENVS101B – Environmental Science
- » MATH165A – General Mathematics
- » PHIL103A/B – Critical Reasoning
- » STAT111B – Statistics for Science or
- » STAT121A/S – Introduction to Statistical Methods

#### 200 Level – Papers are worth 20 points unless specified.

##### *Compulsory papers*

- » BIOL234A – Functional Animal Biology
- » PSYC206B – Animal Behaviour: Principles and Applications
- » PSYC225A – Behavioural Psychology and Learning (10 points)

Choose one of:

- » PSYC226A – The Psychology of Perception (10 points)
- » PSYC227A – Physiological Psychology (10 points)

##### *Highly recommended papers*

- » BIOL201A – Evolution and Diversity of Life\*
- » BIOL210B – Introduction to Genetics
- » BIOL212A – Ecology
- » BIOL235B – Humans and Other Mammals: Structure and Function
- » PHIL217S – Environmental Ethics
- » PSYC208B – Psychological Research: Analysis, Design and Measurement (prerequisite for students enrolling in PSYC307)

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**300 Level – Papers are worth 20 points unless specified.**

## *Compulsory papers*

- » BIOL333B – Advanced Animal Behaviour
- » BIOL338B – Advanced Zoology\*
- » PSYC314B – Behaviour Analysis

## *Highly recommended papers*

- » PSYC307A – Research Methods
- » PSYC340A – Applied Cognitive Psychology (10 points)
- » PSYC341B – Visual Neuroscience and its Applications (10 points)
- » PSYC344A – Physiology of Human Performance and Development (10 points)
- » BIOL310A – Advanced Genetics
- » BIOL312A – Applied Terrestrial Ecology
- » BIOL313B – Applied Freshwater Ecology
- » BIOL314A – Marine Biology and Monitoring
- » BIOL335A – Mammalian Physiology

*\*Please note that BIOL201 is one of the prerequisites for BIOL338, and it is strongly recommended that you take this paper.*

**Note(s):** For descriptions of individual papers refer to the following subjects: BIOL Biological Sciences; CHEM Chemistry; ENV5 Environmental Sciences; PSYC Psychology. For descriptions of papers with subject codes COMP, MATH or STATS, refer to the **Computing & Mathematical Sciences Handbook** or the **University Calendar**. For descriptions of papers with the subject code PHIL refer to the **Arts & Social Sciences Undergraduate Handbook** or the **University Calendar**.

## **Timetable Clashes**

Your selection of papers may depend on your timetable. You will not usually be permitted to take papers which have lecture clashes. Laboratory clashes can usually be resolved. You should initially contact the relevant department if you have a laboratory clash.

## **BSc(Tech) Work Placement Papers**

*For details refer to Work Placements.*