



# Course Outline (Higher Education)

<b>School:</b>	School of Science, Psychology and Sport
<b>Course Title:</b>	AUSTRALIAN FAUNA
<b>Course ID:</b>	SCENV2100
<b>Credit Points:</b>	15.00
<b>Prerequisite(s):</b>	SCENV1001 or SCENV1002 or SCENV1502
<b>Co-requisite(s):</b>	Nil
<b>Exclusion(s):</b>	SCENV2111
<b>ASCED:</b>	050901

## Description of the Course :

Students investigate the key vertebrate taxa of Australia, as well as a broad coverage of the invertebrate fauna. There is an emphasis on describing the distinct features, life history characteristics, behaviour, adaptations and ecology of the major taxa. Through practical exercises, including field-based studies, students apply and demonstrate their developing knowledge and skills to identify, classify and investigate the ecology of Australia fauna. Students knowledge of the Australian fauna is displayed in science-based outputs that are typically used by industry and government agencies.

**Grade Scheme:** Graded (HD, D, C, etc.)

**Placement Component:** No

**Supplementary Assessment:** Yes

Where supplementary assessment is available a student must have failed overall in the course but gained a final mark of 45 per cent or above and submitted all major assessment tasks.

## Program Level:

Level of course in Program	AQF Level of Program					
	5	6	7	8	9	10
Introductory	<input type="checkbox"/>					
Intermediate	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advanced	<input type="checkbox"/>					

## Learning Outcomes:

Students undertaking this course are expected to be able to demonstrate the following knowledge and skills.

**Knowledge:**

- K1.** Characterise the key vertebrate and invertebrate taxa of Australia.
- K2.** Describe the diversity, ecology and life history strategies of significant taxa of Australia's vertebrate and invertebrate fauna.
- K3.** Evaluate the role that behaviour, physiological, reproductive and nutritional adaptations plays in the ecology of fauna.
- K4.** Describe the origin, taxonomy, zoogeography and evolutionary trends of the Australian fauna.

**Skills:**

- S1.** Identify key characteristics that are fundamental to the classification of the Australian fauna.
- S2.** Engage in studies and practical exercises investigating the ecology and biology of Australian fauna that may assist their management and conservation.

**Application of knowledge and skills:**

- A1.** Demonstrate the techniques and processes of identifying Australian fauna.
- A2.** Observe and collect field data on the ecology of Australian fauna.
- A3.** Communicate the outcomes of information gathering and field studies to a scientific audience.

**Course Content:**

Students investigate the key vertebrate taxa of Australia, as well as a broad coverage of the invertebrate fauna. There is an emphasis on describing the distinct features, life history characteristics and ecology of the major taxa. Through practical exercises and field-based observation, students apply and demonstrate their developing knowledge and skills to identify, classify and investigate the ecology of Australian fauna. The knowledge gained is collated and evaluated to construct pieces of scientific output that are typically used by industry and government agencies.

Topics may include:

- Origins, taxonomy, zoogeography and ecology of Australian fauna.
- Life history strategies, behaviour and adaptations of Australian fauna.
- Identification of key Australian fauna.
- Observation and survey of Australian fauna.

**Values:**

- V1.** Recognise the need for ethical considerations and scientific permit regulations when observing and handling animals.
- V2.** Appreciate the variety of ways in which animals sense and respond to their world in an objective, rather than anthropomorphic, fashion.
- V3.** Appreciate the value of biodiversity in maintaining healthy ecosystems and global sustainability.

**Graduate Attributes**

The Federation University FedUni graduate attributes (GA) are entrenched in the Higher Education Graduate Attributes Policy (LT1228). FedUni graduates develop these graduate attributes through their engagement in explicit learning and teaching and assessment tasks that are embedded in all FedUni programs. Graduate attribute attainment typically follows an incremental development process mapped through program progression. **One or more graduate attributes must be evident in the specified learning outcomes and assessment for each FedUni course, and all attributes must be directly assessed in each**

**program**

Graduate attribute and descriptor		Development and acquisition of GAs in the course			
		Learning Outcomes (KSA)	Code A. Direct B. Indirect N/A Not addressed	Assessment task (AT#)	Code A. Certain B. Likely C. Possible N/A Not likely
GA 1 Thinkers	Our graduates are curious, reflective and critical. Able to analyse the world in a way that generates valued insights, they are change makers seeking and creating new solutions.	K2, S1, S2	B, B, A	AT2, AT4	B, B
GA 2 Innovators	Our graduates have ideas and are able to realise their dreams. They think and act creatively to achieve and inspire positive change.	K3, S2, A2	B, A, A	AT3	A
GA 3 Citizens	Our graduates engage in socially and culturally appropriate ways to advance individual, community and global well-being. They are socially and environmentally aware, acting ethically, equitably and compassionately.	K1, K3, S2	B, B, A	AT1- AT4	B, B, A, B
GA 4 Communicators	Our graduates create, exchange, impart and convey information, ideas, and concepts effectively. They are respectful, inclusive and empathetic towards their audience, and express thoughts, feelings and information in ways that help others to understand.	K2, S2, A3, A4	A, A, A, A	AT3-4	A, A
GA 5 Leaders	Our graduates display and promote positive behaviours, and aspire to make a difference. They act with integrity, are receptive to alternatives and foster sustainable and resilient practices.	K1-4, S1-2	B, B, B, B, B, B	AT4	B

**Learning Task and Assessment:**

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
K1, K2, K3, K4, S1, A1	Demonstrate knowledge and comprehension of material and practical exercises undertaken.	Quiz(zes)	10-20%
K2, K3, S1, S2, A1, A2	Undertake practical exercises that investigate Australian fauna.	Practical exercises	10-30%
K1, K2, K3, S1, S2, A1, A2, A3	Undertake field-based observation of Australian fauna and produce a scientific output based on the findings.	Scientific communication	20-30%
K2, K3, K4, S2, A2, A3	Investigate, review and analyse the ecology of an Australian fauna taxa and compile a taxa profile	Scientific communication	10-30%
K1, K2, K3, K4, S1, S2, A1	Application and interpretation of knowledge and synthesis of material presented during the course.	Examination	30-40%

**Adopted Reference Style:**

Australian Harvard