



Course Outline (Higher Education)

School:	School of Science, Psychology and Sport
Course Title:	SCIENCE COMMUNICATION PROJECT
Course ID:	SCCOR3002
Credit Points:	15.00
Prerequisite(s):	(Completion of 240 credit points of a science degree)
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	019999

Description of the Course:

Each student enrolled in this course will undertake an individual science communication task, in a discipline related to a major area of study. Project topics must be approved at the time of enrolment by the course coordinator. Requirements within the project include submission of a detailed project plan, seminar presentation and participation, and delivery of the final communication task, which could take the form of a comprehensive literature review, a scientific evaluation and report, a series of lessons for school students, a community information session, writing information booklets, etc. Students are required to maintain regular contact with the course coordinator. Attendance at relevant workshops may be specified.

Grade Scheme: Graded (HD, D, C, P, MF, F, XF)

Work Experience:

No work experience: Student is not undertaking work experience in industry.

Placement Component: No

Program Level:

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

Learning Outcomes:

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

Knowledge:

- K1.** Demonstrate a sound knowledge of the selected project topic.
- K2.** Evaluate the efficacy of different styles of scientific communication for their intended audience.

Skills:

- S1.** Examine and critique literature relevant to the needs and scope of the communication project.
- S2.** Operate with a significant degree of independence, whilst maintaining efficient and meaningful dialogue with a project supervisor.
- S3.** Act as a constructive member of a seminar audience.
- S4.** Interact with others as part of a team in a work environment.

Application of knowledge and skills:

- A1.** Review scientific literature, with particular reference to the identification of key information.
- A2.** Communicate effectively, to diverse audiences, in both written and oral formats.
- A3.** Plan and undertake an assigned scientific communication task.

Course Content:

This course provides an opportunity for students to develop effective communication skills, while applying the knowledge and skills gained throughout their studies. It is anticipated that many students will be engaged with community groups (eg. local schools, Landcare groups) government organisations or local industries. The work will involve defining the task and developing a clear understanding of the underpinning science to produce a written project proposal and present regular oral reports on the progress of the work, culminating in the delivery of the final communication task. The format of the final communication task will be subject to approval by the course coordinator but may take various forms such as a comprehensive literature review, a scientific evaluation and report, a series of lessons for school students, a community information session or preparation of an information brochure or pamphlet.

Values:

- V1.** Appreciate that effective communication is fundamental to scientific endeavour

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)	Assessment task (AT#)

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		Learning Outcomes (KSA)	Assessment task (AT#)
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.	K1, K2 S1 A1	AT1 AT3
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.	S2 A3	AT4
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.	A2	AT5
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.	S3, S4 A2	AT2 AT5
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.	S2	AT4

Learning Task and Assessment:

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
K2, S1, A2	Critical analysis of communication product	Written or oral report	5 - 15%
K1, S3, S4, A2	Delivering and attending seminars where students present and discuss project proposals	Oral presentation (includes peer assessment)	10-20%
K1, S1, A1, A3	Project proposal and clear exposition of underpinning science concepts	Written report	10-20%
S2, S4, A3	Planning, conduct and development of project	Continuous assessment throughout the semester	10-20%
K1, A2	Delivery of the final communication task	Various, depending on the nature of the task	30-40%

Adopted Reference Style:

Australian Harvard

Refer to the [library website](#) for more information

Fed Cite - [referencing tool](#)