

Course Title: **Scientific Research and Communication**

Course Code: **SCIE806**

Descriptor Start Date: **24/02/2020**

POINTS: **15.00**

LEVEL: **8**

PREREQUISITE/S:

COREQUISITE/S:

RESTRICTION/S: **SCIE808**

## LEARNING HOURS

Hours may include lectures, tutorials, online forums, laboratories. Refer to your timetable and course information in Canvas for detailed information.

**Total learning hours: 150**

## PRESCRIPTOR

Knowledge and skills to plan and communicate scientific research.

## LEARNING OUTCOMES

1. Develop research questions, hypotheses and research objectives from the analysis and critique of scientific, peer-reviewed literature.
2. Effectively communicate scientific research using concise language and accurate visual and diagrammatic representation of data.
3. Present work at the appropriate academic standard.

## CONTENT

- The scientific method
- The cyclic or iterative research process
- Scientific style and format
- Obtaining scientific information
- Principles of effective science communication
- Principles of effective science communication
- Preparation and delivery of conference posters and oral presentations
- The scientific paper
- Publishing fundamentals
- Technical elements of publications
- Conduct of research in the New Zealand context

**Disclaimer: Course descriptors may be amended between teaching periods/semesters**

## LEARNING & TEACHING STRATEGIES

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This course will be offered as a combination of eight interactive lectures, one poster session, one student conference and independent learning. Students will present their poster assessment at the poster session, and their oral presentation at the student conference.

## ASSESSMENT PLAN

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Assessment Event	Learning Outcomes
Poster	LO1, LO2, LO3
Abstract (150-250 words)	LO1, LO2, LO3
Oral Presentation (5 mins)	LO1, LO2, LO3

### Grade Map

#### MAP1

A+ A A- Pass with Distinction  
B+ B B- Pass with Merit  
C+ C C- Pass  
D Fail

### Overall requirement/s to pass the course:

Students must achieve all learning outcomes in order to pass this course.

## LEARNING RESOURCES

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**For further information, contact:** Te Ara Hauora A Putaiao - Faculty of Health & Environmental Science

**Principal Programme:** AK1037, Master of Science (Research)

**Related Programme/s:** AK1037 Master of Science (Research)  
AK1038 Postgraduate Diploma in Science  
AK1039 Postgraduate Certificate in Science  
AK1040 Bachelor of Science (Honours)  
AK2037 Master of Science

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