

Course Title: **Scientific Research, Application and Communication**

Course Code: **SCIE802**

Descriptor Start Date: **01/01/2025**

POINTS: **30.00**

LEVEL: **8**

PREREQUISITE/S:

COREQUISITE/S:

RESTRICTION/S: **SCIE805, SCIE806, 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: 300**

## PRESCRIPTOR

Enhances skills in scientific research, ethics, methodology, and communication. Explores a variety of scientific research methods, study designs, survey techniques, case studies, and basic statistical analysis. Develops critical thinking and application of culturally appropriate and legal scientific practices.

## LEARNING OUTCOMES

1. Critically assess scientific research and data in an appropriate cultural, ethical, and legal context.
2. Apply appropriate analysis and visualisation methods to scientific data.
3. Synthesise and communicate scientific concepts and data.

## CONTENT

- Scientific thinking, hypotheses, data analysis, and data visualisation.
- Science in a cultural context, including cultural, ethical and legal frameworks.
- Science communication, including written, oral verbal and visual communication modes.

## LEARNING & TEACHING STRATEGIES

The course delivery will include lectures, student-led seminars, online forums, online tools and discussions supplemented by self-directed study. Refer to your timetable and Canvas for detailed information.

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

## ASSESSMENT PLAN

Assessment Event	Weighting %	Learning Outcomes
Written Assessment	30.00	LO1, LO2
Portfolio	40.00	LO1, LO2, LO3
Verbal Presentation	30.00	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:

Achievement of a minimum overall grade of C- is required to pass this course.

## LEARNING RESOURCES

Additional readings and resources are provided in class and on Canvas.

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

**Principal Programme:** HA2037, Master of Science

**Related Programme/s:** AK1027 Postgraduate Diploma in Medical Laboratory Science  
AK1028 Master of Medical Laboratory Science  
HA1038 Postgraduate Diploma in Science  
HA1039 Postgraduate Certificate in Science  
HA1040 Bachelor of Science (Honours)

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