

Course Title: **Environmental Assessment and Monitoring**

Course Code: **ENVS604**

Descriptor Start Date: **26/02/2024**

Descriptor End Date: **31/12/2024**

POINTS: **15.00**

LEVEL: **6**

PREREQUISITE/S: **ENVS502**

COREQUISITE/S: **STAT500**

RESTRICTION/S:

## 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

Explores the key regulations and policies that govern how the environment is managed in Aotearoa New Zealand. Examines critical abiotic, biotic, and socio-cultural variables used to assess and monitor both natural and degraded environments, using a 'state of the environment' framework. Advances the field laboratory, statistics, and data visualisation skills necessary for implementing appropriate environmental assessment methods at sites undergoing different levels of human impact.

## LEARNING OUTCOMES

1. Discuss regulatory and policy frameworks governing environmental monitoring.
2. Compare a range of abiotic and biotic indicators for measuring environmental condition.
3. Apply appropriate methods for data collection, reporting, and monitoring for a given environmental context.
4. Demonstrate intermediate skills in statistical analyses and graphing of environmental data.
5. Demonstrate safe practice.

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

## CONTENT

Content may include but need not be limited to:

- Environmental, socio-cultural, and Māori indicators of ecosystem condition
- Statistical designs and techniques used in environmental assessment and monitoring
- On-site assessment and characterisation of degradation and causes
- Introduction to environmental policy and regulations

## LEARNING & TEACHING STRATEGIES

Delivery will include mini-lectures, field trips, class workshops, laboratories. Canvas will be the platform used to provide relevant information including course and supplementary material, timetable, and assessment information. Formative assessments will be offered online during the semester.

## ASSESSMENT PLAN

Assessment Event	Learning Outcomes
Test (1 hour) 30%	LO1, LO2, LO3, LO4
Written Assessment (2000 Words) 30%	LO1, LO2, LO3, LO4, LO5
Practical Test (2 hours) 40%	LO1, LO2, LO3, LO4, LO5

<b>Grade Map</b>	<b>MAP1</b>
	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:

Achieve a minimum overall grade of C-

## LEARNING RESOURCES

Resources will be made available in class and via the Canvas page. Canvas will be used to provide all relevant information, including links to AUT Library resources.

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

**Principal Programme:** AK1041, Bachelor of Science

**Related Programme/s:**

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