

ENVL 3003 ENVIRONMENTAL RISK MANAGEMENT

Credit Points 10

Legacy Code 300858

Coordinator Samsul Huda ([https://directory.westernsydney.edu.au/search/name/Samsul Huda/](https://directory.westernsydney.edu.au/search/name/Samsul%20Huda/))

Description This unit examines the world of environmental risk management and will introduce students to environmental management systems including Environmental Impact Assessment and Environmental Auditing. The unit considers and examines the application of the precautionary principle in real world situations. Students will also be introduced to methods of quantitative risk assessment as applied to environmental and agricultural risks such as urban, peri-urban and rural growth; industrial and agricultural land use; contaminated land, and climate change.

School Science

Discipline Environmental Studies, Not Elsewhere Classified.

Student Contribution Band HECS Band 2 10cp

Check your HECS Band contribution amount via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 3 subject

Equivalent Subjects ENVL 3004 - Environment Risk Management LGYA 6128 - Agriculture Risk

Restrictions Successful completion of 120 credit points

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Discuss and critique the environmental impact assessment process and its limitations as a management tool;
2. Explain the environmental auditing process, advantages and limitations of different auditing approaches and assessment and management of contaminated sites;
3. Apply AS 4360 and ISO 14004 in the appropriate context;
4. Apply principles of risk and uncertainty and tools for modelling risk;
5. Apply appropriate tools to effectively manage and/or transfer risk;
6. Research, evaluate, utilise and communicate information on risk assessment and management using multiple sources.

Subject Content

Environmental Impact Assessment (EIA)

Environmental Auditing (EA)

Review and processing of an EIA/EA

Identification, assessment and management of environmental risk

Application of risk management to solving real world problems

Management and assessment of Agricultural Risk

Management of risk from weather and climate change

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Item	Length	Percent	Threshold	Individual/Group Task
Case study report	3,000 words	40	N	Individual
Case Study	Each student will submit their report (maximum of 1,500 words) electronically	20	N	Individual
Test	2 hours	40	N	Individual

Teaching Periods