



GSE 823

Corporate Environmental Management

S2 Evening 2014

Dept of Environment & Geography

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General Information

Unit convenor and teaching staff
External Unit convenor, main point of contact

Robert Staib

robert.staib@mq.edu.au

Contact via robert.staib@mq.edu.au

Off Site

by appointment, preferred on Block mode days

Macquarie University support for Unit Convenor

Greg Walkerden

greg.walkerden@mq.edu.au

Contact via greg.walkerden@mq.edu.au

E7A 711

Credit points

4

Prerequisites

Admission to MEnv or PGDipEnv or PGCertEnv or MEnvEd or PGDipEnvEd or PGCertEnvEd or MEngMgt or MEnvMgt or PGCertEnvMgt or MEnvStud or PGDipEnvStud or MEnvPlan or MEnvSc or MSusDev or PGDipSusDev or PGCertSusDev or MWldMgt or PGDipWldMgt or PGCertWldMgt or MMarScMgt or MSc in (Remote Sensing and GIS or Environmental Health) or PGDipSc in (Remote Sensing and GIS or Environmental Health) or PGCertSc in (Remote Sensing and GIS or Environmental Health)

Corequisites

Co-badged status

Unit description

This unit addresses environmental management within the corporation. Roles and responsibilities to implement and manage good corporate environmental outcomes are discussed. Discussions cover the establishment of a corporate environmental strategy; practical aspects of establishing and maintaining an environmental management system to ISO 14001 (such as planning, implementation, review, and continual improvement); processes to support corporate environmental management including managing environmental information and risk; environmental auditing; implementing methods for cleaner production and waste minimisation; environmental accounting; life-cycle assessment; and people aspects of environmental management: changing the corporate ethos and interacting with stakeholders.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

Learning Outcomes

On successful completion of this unit, you will be able to:

Demonstrate knowledge of international literature relevant to corporate environmental management.

Analyse corporate organisations and develop and implement environmental strategies and environmental management systems (e.g. the international standard ISO 14000) through an understanding of the environmental impacts of an organisation and the corporate process.

Assist organisations to achieve better environmental outcomes by helping them to change corporate environmental ethos and to develop better relations with stakeholders.

Plan, manage and direct the utilisation of environmental management techniques and tools including: environmental & sustainability reporting, life cycle assessment, management of environmental data, environmental risk assessment, cleaner production, auditing, environmental design and product stewardship.

Work effectively as part of an interdisciplinary team to address environmental management issues and policy development.

Write and communicate effectively in addressing any of the above aspects of environmental management within an organisation.

Assessment Tasks

Name	Weighting	Due
ENVIRONMENTAL OUTCOMES	20%	29 August 2014
ENVIRONMENTAL MGT SYSTEM	30%	1 November 2014
ENVIRONMENTAL STRATEGY & EMS	50%	1 November 2014

ENVIRONMENTAL OUTCOMES

Due: **29 August 2014**

Weighting: **20%**

ASSIGNMENT 1

DUE DATE MONDAY 29 AUGUST 2014

What environmental outcomes should an organisation achieve and how should it plan and manage their achievement?

PLEASE REFER TO THE STUDY GUIDE FOR DETAILS OF ASSIGNMENT 1

On successful completion you will be able to:

- Demonstrate knowledge of international literature relevant to corporate environmental management.
- Analyse corporate organisations and develop and implement environmental strategies and environmental management systems (e.g. the international standard ISO 14000) through an understanding of the environmental impacts of an organisation and the corporate process.
- Write and communicate effectively in addressing any of the above aspects of environmental management within an organisation.

ENVIRONMENTAL MGT SYSTEM

Due: **1 November 2014**

Weighting: **30%**

ASSIGNMENT 2

DUE DATE SATURDAY 1 November 2014

Syndicate presentations to a panel on the design and implementation of a company Environmental Management System (and/or an environmental strategy) to address a set of specifications.

PLEASE REFER TO THE STUDY GUIDE FOR DETAILS OF ASSIGNMENT 2

On successful completion you will be able to:

- Analyse corporate organisations and develop and implement environmental strategies and environmental management systems (e.g. the international standard ISO 14000) through an understanding of the environmental impacts of an organisation and the corporate process.
- Plan, manage and direct the utilisation of environmental management techniques and tools including: environmental & sustainability reporting, life cycle assessment, management of environmental data, environmental risk assessment, cleaner production, auditing, environmental design and product stewardship.

- Work effectively as part of an interdisciplinary team to address environmental management issues and policy development.
- Write and communicate effectively in addressing any of the above aspects of environmental management within an organisation.

ENVIRONMENTAL STRATEGY & EMS

Due: **1 November 2014**

Weighting: **50%**

ASSIGNMENT 3

DUE DATE MONDAY 17 NOVEMBER 2014

Each student will prepare an outline of a proposed (or revised) Environmental Strategy and Environmental Management System (EMS) for a hypothetical “Board of Directors” for its approval.

PLEASE REFER TO THE STUDY GUIDE FOR DETAILS OF ASSIGNMENT 3

On successful completion you will be able to:

- Demonstrate knowledge of international literature relevant to corporate environmental management.
- Analyse corporate organisations and develop and implement environmental strategies and environmental management systems (e.g. the international standard ISO 14000) through an understanding of the environmental impacts of an organisation and the corporate process.
- Assist organisations to achieve better environmental outcomes by helping them to change corporate environmental ethos and to develop better relations with stakeholders.
- Write and communicate effectively in addressing any of the above aspects of environmental management within an organisation.

Delivery and Resources

DESCRIPTION

This unit addresses environmental management within the corporation. Roles and responsibilities to implement and manage good corporate environmental outcomes are discussed.

Specific **Topics** to be discussed include:

- Corporate Environmental Strategy;
- Environmental Management Systems;

- Interaction with Stakeholders;
- Sustainability Reporting;
- Life Cycle Assessment;
- Environmental Data;
- Environmental Risk Assessment;
- Cleaner Production (energy, water & waste);
- Changing Corporate Environmental Ethos;
- Auditing; and
- Environmental design & product stewardship.

UNIT CONVENOR: **Dr Robert Staib**, Honorary Associate, Macquarie University

Phone: 0412 274 777 (mobile)

E-mail: robert.staib@mq.edu.au

I am an Environmental Management Consultant, with 40 years experience in Management Consulting, Project Management Consulting and Environmental Management Consulting. I have qualifications in mechanical engineering, business management and environmental studies. I have specialised in environmental management and quality assurance on large projects. In these roles I have facilitated better environmental design and performance and monitored compliance. This has been supported by writing and assessing many Environmental Management Plans for project management, design, procurement and construction, undertaking environmental auditing of design consultants and construction contractors, providing environmental training to organisations and environmental input into design. I have convened GSE823 since 2000.

In 2005 I produced and had published the textbook used for the course. It includes chapters by some well-known and experienced authors who have brought a wealth of knowledge to the subject. I think you will find it a useful book that encapsulates many of the diverse aspects of corporate environmental management. This text is available electronically in the Macquarie University Library. In the Study Guide I have indicated the sections of the book that are relevant to each topic and listed many other books and reference sources that will be of help to students.

In 2009 I produced and had published another text book on environmental management which I have listed as background reading for the Unit. Please refer to the Study Guide.

There are also presentations from a number of invited professional environmental people. These presentations supplement the nominated readings and assignments.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](#). Students should be aware of the following policies in particular with regard to Learning and Teaching:

Academic Honesty Policy http://mq.edu.au/policy/docs/academic_honesty/policy.html

Assessment Policy <http://mq.edu.au/policy/docs/assessment/policy.html>

Grading Policy <http://mq.edu.au/policy/docs/grading/policy.html>

Grade Appeal Policy <http://mq.edu.au/policy/docs/gradeappeal/policy.html>

Grievance Management Policy http://mq.edu.au/policy/docs/grievance_management/policy.html

Disruption to Studies Policy http://www.mq.edu.au/policy/docs/disruption_studies/policy.html *The Disruption to Studies Policy is effective from March 3 2014 and replaces the Special Consideration Policy.*

In addition, a number of other policies can be found in the [Learning and Teaching Category](#) of Policy Central.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/support/student_conduct/

Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

IT Help

For help with University computer systems and technology, visit <http://informatics.mq.edu.au/help/>.

When using the University's IT, you must adhere to the [Acceptable Use Policy](#). The policy applies to all who connect to the MQ network including students.

Graduate Capabilities

PG - Discipline Knowledge and Skills

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

Learning outcomes

- Demonstrate knowledge of international literature relevant to corporate environmental management.
- Plan, manage and direct the utilisation of environmental management techniques and tools including: environmental & sustainability reporting, life cycle assessment, management of environmental data, environmental risk assessment, cleaner production, auditing, environmental design and product stewardship.
- Write and communicate effectively in addressing any of the above aspects of environmental management within an organisation.

Assessment tasks

- ENVIRONMENTAL OUTCOMES
- ENVIRONMENTAL MGT SYSTEM
- ENVIRONMENTAL STRATEGY & EMS

PG - Critical, Analytical and Integrative Thinking

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience, of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

Learning outcomes

- Analyse corporate organisations and develop and implement environmental strategies and environmental management systems (e.g. the international standard ISO 14000) through an understanding of the environmental impacts of an organisation and the corporate process.
- Plan, manage and direct the utilisation of environmental management techniques and tools including: environmental & sustainability reporting, life cycle assessment,

management of environmental data, environmental risk assessment, cleaner production, auditing, environmental design and product stewardship.

- Write and communicate effectively in addressing any of the above aspects of environmental management within an organisation.

Assessment tasks

- ENVIRONMENTAL OUTCOMES
- ENVIRONMENTAL MGT SYSTEM
- ENVIRONMENTAL STRATEGY & EMS

PG - Research and Problem Solving Capability

Our postgraduates will be capable of systematic enquiry; able to use research skills to create new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

Learning outcomes

- Analyse corporate organisations and develop and implement environmental strategies and environmental management systems (e.g. the international standard ISO 14000) through an understanding of the environmental impacts of an organisation and the corporate process.
- Write and communicate effectively in addressing any of the above aspects of environmental management within an organisation.

Assessment tasks

- ENVIRONMENTAL OUTCOMES
- ENVIRONMENTAL MGT SYSTEM
- ENVIRONMENTAL STRATEGY & EMS

PG - Effective Communication

Our postgraduates will be able to communicate effectively and convey their views to different social, cultural, and professional audiences. They will be able to use a variety of technologically supported media to communicate with empathy using a range of written, spoken or visual formats.

This graduate capability is supported by:

Learning outcomes

- Demonstrate knowledge of international literature relevant to corporate environmental

management.

- Analyse corporate organisations and develop and implement environmental strategies and environmental management systems (e.g. the international standard ISO 14000) through an understanding of the environmental impacts of an organisation and the corporate process.
- Assist organisations to achieve better environmental outcomes by helping them to change corporate environmental ethos and to develop better relations with stakeholders.
- Work effectively as part of an interdisciplinary team to address environmental management issues and policy development.
- Write and communicate effectively in addressing any of the above aspects of environmental management within an organisation.

Assessment tasks

- ENVIRONMENTAL OUTCOMES
- ENVIRONMENTAL MGT SYSTEM
- ENVIRONMENTAL STRATEGY & EMS

PG - Engaged and Responsible, Active and Ethical Citizens

Our postgraduates will be ethically aware and capable of confident transformative action in relation to their professional responsibilities and the wider community. They will have a sense of connectedness with others and country and have a sense of mutual obligation. They will be able to appreciate the impact of their professional roles for social justice and inclusion related to national and global issues

This graduate capability is supported by:

Learning outcomes

- Assist organisations to achieve better environmental outcomes by helping them to change corporate environmental ethos and to develop better relations with stakeholders.
- Work effectively as part of an interdisciplinary team to address environmental management issues and policy development.

Assessment tasks

- ENVIRONMENTAL MGT SYSTEM
- ENVIRONMENTAL STRATEGY & EMS

PG - Capable of Professional and Personal Judgment and Initiative

Our postgraduates will demonstrate a high standard of discernment and common sense in their professional and personal judgment. They will have the ability to make informed choices and

decisions that reflect both the nature of their professional work and their personal perspectives.

This graduate capability is supported by:

Learning outcomes

- Analyse corporate organisations and develop and implement environmental strategies and environmental management systems (e.g. the international standard ISO 14000) through an understanding of the environmental impacts of an organisation and the corporate process.
- Work effectively as part of an interdisciplinary team to address environmental management issues and policy development.

Assessment tasks

- ENVIRONMENTAL OUTCOMES
- ENVIRONMENTAL MGT SYSTEM
- ENVIRONMENTAL STRATEGY & EMS