Description: Tools and Techniques for Sustainable Development

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<th>Subject</th>
<th>Cat-Nbr</th>
<th>Class</th>
<th>Term</th>
<th>Mode</th>
<th>Units</th>
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Academic Group: FOBUS
Academic Org: FOB002
HECS Band: 2
ASCED Code: 050999

STAFFING
Examiner: John Searle
Moderator: Ian Eddington

RATIONALE
The green agenda is now firmly established as a political agenda and some four decades after Schumacher, industries and governments alike, both national and international, are learning how to conduct their affairs through a full cost accounting approach to the use of non renewable resources. Despite short-term reversals international standards and trade protocols are emerging and these respectively attempt to promote sustainable development and prevent pollution, and the export and/or reimport of pollution and unsafe or polluted products. Environmentally friendly products and processes are increasingly, competitive edge products. Green investment portfolios are increasingly attractive to investors who 1. see environmental liability risk as detracting from future dividend payments and 2. who wish to purposefully contribute to greater environmental sensitivity in industry. Due diligence legislation is driving a new level of accountability and business behaviour. The environmental industry is coming of age and sustainable business, to be effective, needs managers appraised of, and proficient in, green tools and techniques. This subject aims to introduce tools and techniques which will help managers capture corporate benefits.

SYNOPSIS
This subject introduces managers to tools and techniques (both general and specific) that may be used in best practice environmental management and sustainable development. Topics covered may include environmental impact assessment, environmental auditing, environmental reporting and investor and public relations, management performance tracking and measuring systems. Other areas covered include life cycle analysis and product stewardship, full cost accounting, internal auditing and clean technology financing, process tools pollution prevention and waste minimisation programs, standards and standardisation, voluntary self regulation and beyond compliance, disclosure policy, measuring performance, ISO 14000, entering international markets and capitalising on clean energy markets.
OBJECTIVES
On successful completion of this course students will be able to:

· be cognisant of various tools and techniques emerging to help managers in the stewardship of sustainable development;
· be appraised, through case study, of successful business enterprise based on tools and techniques of the kind mentioned in 1 above;
· better understand the stewardship ethic and the sophisticated and expanding environmental business that it is driving; and
· be competent in the use of some of these tools and techniques.

TOPICS

<table>
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<tr>
<th>Description</th>
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<tbody>
<tr>
<td>1. Introduction</td>
<td>2.00</td>
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<tr>
<td>2. Tools and techniques for holistic and integrative Green Management,</td>
<td>32.00</td>
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<tr>
<td>Business Strategy and Performance Design for the Environment; Environmental Risk Management; Integrated Sustainable Performance; Sustainable Performance</td>
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<tr>
<td>3. Public Policy Tools: Environmental Impact Assessment and Benefit-Cost Analysis</td>
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<td>4. Private Policy Tools: Financial Tools; Process Tools; Product Tools; Procurement Tools; Measuring Tools; other Tools</td>
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<td>5. Conclusion</td>
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TEXT and MATERIALS required to be PURCHASED or ACCESSED:

Books can be ordered by fax or telephone. For costs and further details use the 'Book Search' facility at http://bookshop.usq.edu.au by entering the author or title of the text.


REFERENCE MATERIALS

Reference materials are materials that, if accessed by students, may improve their knowledge and understanding of the material in the course and enrich their learning experience.

Nil

STUDENT WORKLOAD REQUIREMENTS

<table>
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<tr>
<th>ACTIVITY</th>
<th>HOURS</th>
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<tr>
<td>Directed Study</td>
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<td>Private Study</td>
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ASSESSMENT DETAILS

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<tr>
<th>Description</th>
<th>Marks Out of</th>
<th>Wtg(%)</th>
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<td>20.00</td>
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<td>ASSIGNMENT 2</td>
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<td>40.00</td>
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<td>2.5 HOUR EXAMINATION</td>
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NOTES:
1. The examination is scheduled to be held in the end-of-semester examination period.
   Students will be advised of the official examination date after the timetable has been finalised.

IMPORTANT ASSESSMENT INFORMATION

1. Attendance requirements:
   If you are an International student in Australia it is a requirement of your student visa that you attend all classes at your campus. For all other students, there are no attendance requirements for this course. However, it is the students' responsibility to study all material provided to them or required to be accessed by them to maximise their chance of meeting the objectives of the course and to be informed of course-related activities and administration.

2. Requirements for students to complete each assessment item satisfactorily:
   To complete each of the assessment items satisfactorily, students must obtain at least 50% of the marks available for each assessment item.

3. Penalties for late submission of required work:
   Students must attach an application for late submission to any assignment sent to the university after the due date.

4. Requirements for student to be awarded a passing grade in the course:
   To be assured of receiving a passing grade a student must submit all of the summative assessment items and achieve at least 50% of the available weighted marks for those items.

5. Method used to combine assessment results to attain final grade:
   The final grades for students will be assigned on the basis of the weighted aggregate of the marks (or grades) obtained for each of the summative assessment items in the course.

6. Examination information:
   This is a restricted examination. Candidates are allowed access to specific materials during the examination. The only materials that candidates may use in this examination are calculators which cannot hold textual information (students must indicate on their examination paper the make and model of any calculator(s) they use during the examination).

7. Examination period when Deferred/Supplementary examinations will be held:
   Any Deferred or Supplementary examinations for this course will be held during the next examination period.
8 University Regulations:
Students should read USQ Regulations 5.1 Definitions, 5.6 Assessment, and 5.10 Academic Misconduct for further information and to avoid actions which might contravene University Regulations. These regulations can be found at the URL: http://www.usq.edu.au/SECARIAT/calendar/Part5/ or in the printed version of the current USQ Handbook. Students should also read The Guide to Policies and Procedures of the Faculty which can be found at the URL: http://www.usq.edu.au/handbook/2003/title663.html or in the printed version of the current USQ Handbook.

ASSESSMENT NOTES

1 Assignments: (i) The due date for an assignment is the date by which a student must despatch the assignment to the USQ. The onus is on the student to provide proof of the despatch date, if requested by the Examiner. (ii) Students must retain a copy of each item submitted for assessment. This must be produced within five days if required by the Examiner. (iii) The Examiner may grant an extension of the due date of an assignment in extenuating circumstances. (iv) The Examiner will not accept submission of assignments by facsimile. (v) Students who do not have regular access to postal services or who are otherwise disadvantaged by these regulations may be given special consideration. They should contact the examiner of the course to negotiate such special arrangements. (vi) In the event that a due date for an assignment falls on a local public holiday in their area, such as a Show holiday, the due date for the assignment will be the next day. Students are to note on the assignment cover the date of the public holiday for the Examiner's convenience.

2 Make-up Work: Students who have undertaken all of the required assessments in a course but who have failed to meet some of the specified objectives of a course within the normally prescribed time may be awarded the temporary grade: IM (Incomplete - Make up). An IM grade will only be awarded when, in the opinion of the examiner, a student will be able to achieve the remaining objectives of the course after a period of non directed personal study.

3 Deferred Work: Students who, for medical, family/personal, or employment-related reasons, are unable to complete an assignment at the scheduled time may apply to defer an assessment in a course. Such a request must be accompanied by appropriate supporting documentation. A temporary grade of IDM (Incomplete Deferred Make-up) may be granted.