

MODULE DESCRIPTOR 2019/20



CL973 Independent Study in Collaboration with Industry

Registrar: : Dr Elsa João, Senior Lecturer, Department of Civil and Environmental Engineering, level 5, James Weir Building, Tel.: 0141 548 4056; email: elsa.joao@strath.ac.uk .	Taught To (Programme): MSc Sustainability & Environmental Studies MSc Environmental Engineering MSc Environmental Entrepreneurship Also available to other MSc and PhD students	
Other Lecturers Involved: Dr Charles Knapp and other MSc course leaders; Contributions from external practitioners	Credit Weighting: 10	Semester: 1 and 2
Assumed Pre-requisites: None	Compulsory/ optional/ elective class Optional for above degrees	Academic Level: 5

Class Format and Delivery (hours):

Lecture	Tutorial	Laboratory	Coursework	Project	Private Study	Total
2	4	(optional)	30	65		100

Class Aim(s)

Graduates increasingly need highly developed transferable professional skills to prepare for and to gain future employment. This course will allow students carrying out projects with industry to develop and refine these while gaining credits in the process. This could be for example the SME Carbon Audit that students carry out with training from Carbon Trust which involves 2 full day training workshop, one 2-hour guided carbon audit of one SME, produce a Carbon Audit report for the SME that will be checked for quality by Carbon Trust before being released to the SME. Approval of students being able to take this course would be done on case-by-case basis by MSc course leader as an individualised learning contract. Students will be selected by competitive application and CV. Other placements with industry are possible as long as a report needs to be produced for the industrial contact which can then be evaluated for assignment purposes.

Learning Outcomes

On completion of the course the student is expected to be able to

LO1 Be able to prepare a professional standard report of relevance to industry.

LO2 Be able to evaluate and apply to the specific project generic issues of commerciality, confidentiality, copyright, ethics and H&S, and be able to record professional standard minutes of business meetings and apply other project management tools (e.g. Gantt charts), time management, delegation.

LO3 Be able to summarize the benefits of the work carried out for the industry and be able to communicate that relevance for a wider audience via a poster, press release or policy brief.

LO4 Be able to reflect on professional experience as a step towards becoming a reflective practitioner.

Syllabus

Students will have two lectures on copyright, ethics, H&S, minutes writing, good report writing and how to manage time and relationships during placement.

Tutorials will be provided to give feedback to the students regarding how work is going.

Other specialised training will be provided as applicable depending on the actual placement and work being carried out.

The assignments are critical for this class:

- (1) Report on project work carried out for the industry – could be group work.
- (2) Poster about the work carried out – could be group work.

The Project work carried out for the industry needs to be of sufficient quality. For the SME Carbon Audit option the final grade for assignment 1 is based on 60% of the quality of the first draft submitted and 40% of the mark based on the quality of the final draft which is then given to the industry contact. The speed of the iterative process of getting to the final draft will be taken into account (e.g. number of drafts required and how well, thoroughly and efficiently comments for improvement of the report have been taken into account.)

Assessment Criteria

For each of the Course Learning Outcomes the following criteria will be used to make judgements on student learning:

LO1 Be able to prepare a professional standard report of relevance to industry.

C1 How well written and structured the report for industry contact (assignment 1) is.

C2 How many drafts will be needed until the final version of report fits the quality criteria so it can be given to industry contact. (assignment 1)

LO2 Be able to evaluate and apply to the specific project generic issues of commerciality, confidentiality, copyright, ethics and H&S, and be able to record professional standard minutes of business meetings and apply other project management tools (e.g. Gantt charts).

C1 Evidence of professional standard in report (assignment 1)

C2 Evidence of professional standards in activity (assignments 1 and 2)

C3 Evidence of professional standard of presentation and content (assignments 1 and 2)

LO3 Be able to summarize the benefits of the work carried out for the industry and be able to communicate that relevance for a wider audience via a poster, press release or policy brief.

C1 How well communicated and relevant for a general audience is poster, press release or policy briefing (assignment 2).

LO4 Be able to reflect on professional experience as a step towards becoming a reflective practitioner.

C1 Evidence of reflection on experience (assignments 1 and 2)

C2 Evidence of evaluation, conceptualisation and learning from experience (assignments 1 and 2)

The standards set for each criterion per Learning Outcome to achieve a pass grade are indicated on the assessment sheet for all assessments.

Principles of Assessment and Feedback (<https://www.strath.ac.uk/staff/policies/academic/>)

- Assistance (via tutorials) will be available to student to provide timely feedback.
- Students will have ample opportunities (via several drafts of final report to give to industry contact) to incorporate feedback and improve their performance.
- Group projects to create natural peer dialogue and realistic project management issues.
- Establishment of MSc cohorts tend to foster the development of learning groups. The students interact closely with each other, and tend to be highly supportive.
- Encourage self-motivation and mutual respect in group projects.

Recommended Reading

Wainwright, G. (1984) *Report writing: a new practical guide to effective report writing, presented in report form*. London : Management Update

PLEASE NOTE:

Students need to gain a summative mark of 40% / 50% (please delete as appropriate) to pass the module. Students who fail the module at the first attempt will be re-examined during the August diet. This re-examination will consist entirely of exam / coursework / viva (please delete as appropriate).

Resit Arrangements

Assignment

Approved

Programme Director Signature:
Date of Last Modifications:

(Updated 9th August 2018)

Assessment and Feedback Schedule

Class Code	CL973	Class Title	Independent Study in Collaboration with Industry
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Brief Description of Assessment

- (1) Report (individual or group).
 (2) Poster (or policy briefing or press release if agreed) about the work carried out (group or individual).

NB All assessments are set in S1 and assessed in S2

Indicate in the tables below the Hand-Out (H), Submission (S) and Feedback (F) dates for each lab report/coursework/project and the timing of each Exam/Class Test (E), (T). Include duration of exam in brackets (e.g. E (2)).

Semester 1

Assessment type (& title)	LOs	Weight (%)	Individual / Group	WK1	WK2	WK3	WK4	WK5	WK6	WK7	WK8	WK9	WK10	WK11	Exam Period
Report	1, 2	80	I or G		H										
Poster*	2, 3	20	I or G		H										

Semester 2

Assessment type (& title)	LOs	Weight (%)	Individual / Group	WK1	WK2	WK3	WK4	WK5	WK6	WK7	WK8	WK9	WK10	WK11	Exam Period
Report (cont)	see	above									S				F
Poster* (cont)	see	above													SF

* Note date of poster presentation is set by Engage with Strathclyde week.