

**Schumacher  
College**



**UNIVERSITY OF  
PLYMOUTH**

**Ecological Design Thinking in Practice 2:  
Transformation in Action  
Module SCH5444**

---

**Ecological Design Thinking**

---

Module Leader: **Mona Nasser**

Other Module Staff: **Roberto Fraquelli, Andy Letcher**

## **Contents**

<b>Welcome and Introduction .....</b>	<b>3</b>
<b>Teaching and Assessment Team .....</b>	<b>3</b>
<b>Module Aims .....</b>	<b>4</b>
<b>Module Assessed Learning Outcomes .....</b>	<b>4</b>
<b>Teaching and Learning Strategy .....</b>	<b>5</b>
<b>Scheme of Work .....</b>	<b>5</b>
<b>Late Work/Extenuating Circumstances .....</b>	<b>8</b>
<b>Sources of Guidance and Support.....</b>	<b>8</b>
<b>Referencing Protocols and Academic Offences .....</b>	<b>8</b>
<b>Reading List; Recommended Texts/Support Materials.....</b>	<b>9</b>
<b>Module Feedback.....</b>	<b>9</b>

## Welcome and Introduction

This module further explores and develops the principles, processes and practices of ecological design thinking with short placements with partners. Students will work in small teams to explore a live issue identified by placement organisations and develop proposals in response. Proposals may include designs for building, spaces or systems, or strategies for these organisations. Students will be asked to both critically reflect on the work they undertake from a theoretical, ethical and professional context.

## Teaching and Assessment Team

Programme Leader:	Roberto Fraquelli
Location:	Schumacher College
Email:	<a href="mailto:Roberto.Fraquelli@schumachercollege.org.uk">Roberto.Fraquelli@schumachercollege.org.uk</a>
Phone number:	01803847232
Student meeting times:	By agreement

Module leader:	Roberto Fraquelli
----------------	-------------------

Lecturer	Roberto Fraquelli, Mona Nasserri
Location:	Schumacher College
Email:	<a href="mailto:Roberto.Fraquelli@schumachercollege.org.uk">Roberto.Fraquelli@schumachercollege.org.uk</a> <a href="mailto:Mona.nasserri@schumachercollege.org.uk">Mona.nasserri@schumachercollege.org.uk</a>
Phone number:	
Student meeting times:	By Agreement
Module moderators:	Roberto Fraquelli

Personal Tutors:	Roberto Fraquelli and Mona Nasseri
Location:	Schumacher College
Email:	<a href="mailto:Roberto.Fraquelli@schumachercollege.org.uk">Roberto.Fraquelli@schumachercollege.org.uk</a> <a href="mailto:Mona.nasseri@schumachercollege.org.uk">Mona.nasseri@schumachercollege.org.uk</a>
Phone number:	01803847232 01803847233
Student meeting times:	By agreement

## Module Aims

- Provide participants with the theoretical and practical skills to work with models of ecological design thinking as a response to current sustainability challenges at a range of scales from local to global;
- Apply the principles and methods of ecological design thinking to a variety of contexts;
- Develop participants' theoretical knowledge and experiential understanding of different models of individual and social change and the role of design in supporting transformation;
- Develop group facilitation and engagement skills and methods of co-production;
- Develop participants' communication skills in presenting complex information, engaging diverse audiences and different perspectives.

## Module Assessed Learning Outcomes

At the end of the module the learner will be expected to be able to:

- Critically evaluate a range of ecological design-based strategies to respond to the complex needs of a particular context, organisation or community;
- Undertake substantial investigations into the relationship between the environment the community;
- Self-evaluate and reflect on their own values and behaviours to improve professional and personal awareness, practice and teamwork, autonomously implementing and evaluating improvements to

performance drawing on innovative best practice

## Teaching and Learning Strategy

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information</b>
Seminar	20	Students present their own work with the support of the group. Encourages active learning, peer-to-peer support and communication skills.
Tutorial	90	Each student will receive two tutorials over the course of the module, and one feedback session..
Fieldwork/Placement	40	In keeping with Schumacher College's holistic approach to learning field trips will include immersive experiences in nature to better understand natural systems and cycles.
Independent Study	150	
<b>Total</b>	<b>300</b>	<b>(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)</b>

Students are expected to take full responsibility for their learning, **attend all** scheduled sessions, read appropriate indicated readings, and work on set exercises (formative and summative assessment).

Based on previous experience; students who failed to attend sessions are likely to be unsuccessful or show poor performance. Please ensure that you are engaging with the content and learning activities relating to this module.

## Scheme of Work

**This module will be assessed by: Roberto Fraquelli**

<b>Element of Assessment</b>	<b>Module Weighting</b>	<b>Component</b>	<b>Link to Assessed Learning Outcomes</b>
Project report		100%	LO1, LO2
Reflective Commentary			LO3

Drafts/outlines  
Assignment submission

5.00pm on Friday, March 27, 2020  
5.00pm on Friday, April 10, 2020

**Assessment form**

LO1: • Critically evaluate a range of ecological design-based strategies to respond to the complex needs of a particular context, organisation or community;			
Fail: 0 – 49%	Pass: 50 – 59%	Merit: 60 – 69%	Distinction: 70 – 100%
Does not demonstrate sufficient understanding of the context and evaluation of the relevant ecological design thinking- based strategies and frameworks.	Demonstrates a partial understanding of the context and limited evaluation of ecological design thinking- based strategies to respond to its complex needs.	Demonstrates a sound understanding of the context and provides a good evaluation of ecological design thinking- based strategies that respond to complex needs.	Demonstrates a critical understanding relating to a set of complex issues, with robust and in-depth application of ecological design thinking-based strategies relating to a specific context, organisation or community.
LO2: • Undertake substantial investigations into the relationship between the environment the community;			
Fail: 0 – 49%	Pass: 50 – 59%	Merit: 60 – 69%	Distinction: 70 – 100%
Fails to demonstrate the interrelationship between the community and environment.	Demonstrates a partial understanding of the relationship between the community and environment.	Demonstrates in good measure the ability to recognize the significance of relationship between the community and environment.	Demonstrates a thorough and rigorous ability to investigate, recognize and highlight the relationship between the environment and the community.
LO3: • Self-evaluate and reflect on their own values and behaviours to improve professional and personal awareness, practice and teamwork, autonomously implementing and evaluating improvements to performance drawing on innovative best practice.			
Fail: 0 – 49%	Pass: 50 – 59%	Merit: 60 – 69%	Distinction: 70 – 100%
<p>Absence of any evidence demonstrating self evaluation and awareness with respect to ecological design thinking practice.</p> <p>This is assessed against evidence of:</p> <p>Evaluating own individual practice, in terms of feelings, behaviours and actions. Evaluating one's interaction with others from an inter-personal perspective. Demonstrating an understanding of reflexivity and how it manifests in your own work.</p>	<p>Provides limited evidence of self evaluation and inquiry with respect to one's own ecological design thinking awareness.</p> <p>This is assessed against evidence of:</p> <p>Evaluating own individual practice, in terms of feelings, behaviours and actions. Evaluating one's interaction with others from an inter-personal perspective. Demonstrating an understanding of reflexivity and how it manifests in your own work.</p>	<p>Provides robust evidence of reflexive awareness into behaviours that can raise awareness and affect professional practice and teamwork.</p> <p>This is assessed against evidence of:</p> <p>Evaluating own individual practice, in terms of feelings, behaviours and actions. Evaluating one's interaction with others from an inter-personal perspective. Demonstrating an understanding of reflexivity and how it manifests in your own</p>	<p>Provide extensive evidence and detailed inquiry into one's own practice combined with excellent, reflexively-rich, descriptions of how values, behaviours and experiences can affect particular outcomes.</p> <p>This is assessed against evidence of:</p> <p>Evaluating own individual practice, in terms of feelings, behaviours and actions. Evaluating one's interaction with others from an inter-personal perspective. Demonstrating an understanding of reflexivity and how it manifests in your own work. Noting the emergence of new understandings and practices in</p>

Noting the emergence of new understandings and practices in a relational, dialogic sense. Identifying areas for improvement and showing changes in practice.	Noting the emergence of new understandings and practices in a relational, dialogic sense. Identifying areas for improvement and showing changes in practice.	work. Noting the emergence of new understandings and practices in a relational, dialogic sense. Identifying areas for improvement and showing changes in practice.	a relational, dialogic sense. Identifying areas for improvement and showing changes in practice.
--	--	---	--

**Populate table as below to show all module sessions**

<b>Semester Week</b>	<b>Week Beginning</b>	<b>Provisional Activities</b>
8	24/02/20	Introduction/ Research methods
9	2/03/20	placements
10	9/03/20	placements
11	16/03/20	Placements
12	23/03/20	Independent study /tutorials
13	30/03/20	Independent study /tutorials
15	6/03/20	Independent study/submission

Please note that this schedule may be subject to alteration.

Students are requested to submit:

- **A reflective commentary** - on line via the VLE on 10<sup>th</sup> April 2020. This process includes the use of Turnitin.
- **A project report** - on line via the VLE on 10<sup>th</sup> April 2020. This process includes the use of Turnitin.

The work will be marked using assessment form (see above). Feedback will be discussed and delivered to students no later than 1<sup>st</sup> May 2020.

Students will receive a module briefing document confirming the module aims, schedule, learning outcomes and core reading list. Students will also be able to access all teaching material (powerpoint and support documentation), and reading list via the VLE. With agreement with students taught session will be audio recorded and made available to students via the VLE.

Teaching materials, Assignment submission areas and student feedback forms are available on the VLE here:

<https://open.schumachercollege.org.uk/course/view.php?id=193>

## Late Work/Extenuating Circumstances

If your participation in an examination or assessment has been affected by an extenuating circumstance, then you can ask the University to take this into consideration. You can submit a claim for extenuating circumstances to cover late submission of work, non-submission of work or non-attendance at a time specific assessment, such as an examination, test presentation or performance, or field class.

Information regarding the Extenuating Circumstances policy and how and where to submit Extenuating Circumstance Claims are available here:

<https://www.plymouth.ac.uk/student-life/your-studies/essential-information/exams/exam-rules-and-regulations/extenuating-circumstances>

Where there are no valid extenuating circumstances, the following regulations will automatically apply:

- Work submitted after the deadline date/time but within 24 hours of it, will be capped at the 50% pass mark.
- Work submitted 24 hours after the deadline will receive a mark of zero.

Students will be informed and reminded about the process relating to extenuating circumstances during the module briefing/introduction session

## Sources of Guidance and Support

Students and academic staff will work closely together to make best use of Seminars, personal tutorials, DAS and LD to modify any assessment modes and/or provisions required.

Students are encouraged to make use of the wider Schumacher opportunities including but not limited to sister programmes including MA Economics for Transition, short-courses and vocational programmes; and the broad level of facilities available on the Dartington estate including cinema, social entrepreneur programmes and many other resources and services available.

## Referencing Protocols and Academic Offences

When writing a report or an essay you are expected to fully reference the materials you have used. The report or essay should be your own work, in your own words.

Plagiarism is an offence under the University regulations on examination and assessment offences. It is important that you familiarise yourself with what constitutes plagiarism, and academic offences. Further information can be found:

<https://www.plymouth.ac.uk/student-life/your-studies/essential-information/regulations/plagiarism>

And <https://www.plymouth.ac.uk/student-life/your-studies/essential-information/exams/exam-rules-and-regulations/examination-offences>

## Reading List; Recommended Texts/Support Materials

- Enable students to undertake a substantial investigation that addresses significant areas of Ecological Design Thinking and practice;
- Extend students' powers of critical evaluation drawing on, and synthesising a range of ideas and information in innovative ways in a substantial investigation addressing a significant area of theory and/or practice;
- Further develop students' ability to facilitate diverse groups in uncertain and changing circumstances, respond to dynamic and changing circumstances, and co-develop holistic solutions to complex problems;
- Develop the skills and confidence necessary to carry out innovative Ecological Design Thinking projects in other areas once the taught elements of the degree have been completed.

## Module Feedback

We value what our students say: you share your feedback we act upon it. Part of the feedback process includes Module Evaluation. A link to the form and details of where to submit can be found here:

<https://open.schumachercollege.org.uk/course/view.php?id=193>