

Module Code:	<b>7508CATSCI</b>	Version No:	1
		Updated on:	Jan 2019
Module Title:	<b>Applied project</b>	Authorisation:	
		Validation Date:	
		Date version starts:	
School:	NSP	Archived Date:	
		Dormant Date:	
		FOR OFFICE USE ONLY	

Module Leader

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Level: 7Credit Rating: 15Indicative Time Allowances (hours):

Lec	Tut	Sem	Prt	Wrk	Fld	Other	Deliv. Tot	Exam	Private Study	Tot. Learning Hours
6	0	0	24	0	0	0	30	0	120	150

Semester Delivery: (Select one only)Semester 1 ☐ Semester 2 ☒ Runs twice (S1 & S2) ☐Year Long ☐ Summer ☐ Other ☐Pre-requisites: n/aRecommended Prior Study: n/aCo-requisites: n/aBarred Combinations: Cannot be taken with the module 'Work-based Project'.Aims:

- Working as part of a team, deepen theoretical knowledge and understanding within a chosen specialist area of the field of adaptation and sustainability in the environment (chosen from one of the preceding modules) and its interrelationship with other associated areas of the field through its application within a teamwork-based applied project;
- Develop and undertake substantial investigations within the chosen specialist area of the field to address significant areas of associated theory or practice, and

- critically assess the effectiveness of the methods used. Investigations may take the form of a case study scenario exercise; design, fabrication, experimentation and testing exercise; or other devised for the purposes of the module;
- c) Undertake analysis of complex evidence generated through the Applied Project, and develop critical responses to existing theoretical discourses, research methods or practices within the chosen specialist area of the field;
  - d) Communicate and work effectively within a team undertaking the Applied Project to implement and evaluate innovative or sectoral best practice within the chosen specialist area of the field.

#### Learning Outcomes:

1. Develop critical responses and originality when applying theoretical knowledge, and a systematic understanding of a chosen specialist area of the field of adaptation and sustainability in the environment to a teamwork-based applied project.
2. Demonstrate critical awareness of the complex nature of the interrelationship between the chosen specialist area of the field and other associated areas of the field through carrying out substantial investigations within the chosen specialist area;
3. Critically evaluate data and complex theoretical discourses, methods or practices and evidence generated through the Applied Project, and use this to evaluate innovative or sectoral best practice within the chosen specialist area of the field.

#### Learning Activities:

This module will comprise a small number of lectures and focus mainly on group work based on practical activities to respond to a chosen project brief.

Distance learners will develop a response to a design brief over a period of six weeks through interactive group work discussions run via Skype and mediated by a tutor. Distance learners also have access via the VLE to the lectures given onsite.

#### Outline Syllabus:

The specialist area of the field chosen for the module will be the primary driver of its content (refer to associated precursor module specifications). Investigations are undertaken within the teamwork-based Applied Project. The module will enable students to apply the various insights, knowledge and theoretical perspectives encountered to a particular applied project, all within the context of sustainability and adaptation in the area of food and natural resources, ecology or behavioural change.

#### Indicative References:

- Bribián, I. Z., Capilla, A. V., & Usón, A. A. (2011). Life cycle assessment of building materials: Comparative analysis of energy and environmental impacts and evaluation of the eco-efficiency improvement potential. *Building and Environment*, 46(5), 1133-1140.
- Groat. L.N. & Wang D (2013). *Architectural Research Methods*. 2nd edition. New York: Wiley.
- Kahn W.A. (2009). *The Student's Guide to Successful Project Teams*. New York: Taylor & Francis.
- LaFasto F.M.J. & Larson C. (2001). *When Teams Work Best: 6,000 Team Members and Leaders Tell What it Takes to Succeed*. Thousand Oaks and London: Sage Publications.

Silyn-Roberts H. (2012) Writing for science and engineering: papers, projects & proposals: a practical handbook for postgraduates in science, engineering and technology. Oxford: Butterworth-Heinemann.

Woolley, T. (2006) Natural Building: a guide to methods and technologies. The Crowood Press Ltd.

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Assessment Details:

1. Coursework: Report (3,000 word max). 100%

Weighting between E and CW: 0%      100%

Relationship between learning outcomes and assessment tasks:

Learning Outcomes			
	1	2	3
Component 1	X	X	X

Minimum Pass Mark (%): 50

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Module Notes:

This module can be taken onsite or at distance.