Module Title: Cities and Communities

Module Leader
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Level: 7
Credit Rating: 15

Indicative Time Allowances (hours):

<table>
<thead>
<tr>
<th>Lec</th>
<th>Tut</th>
<th>Sem</th>
<th>Prt</th>
<th>Wkr</th>
<th>Fld</th>
<th>Other</th>
<th>Deliv.</th>
<th>Exam</th>
<th>Private Study</th>
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Semester Delivery: (Select one only)

Semester 1 [X] Semester 2 [ ] Runs twice (S1 & S2) [ ]
Year Long [ ] Summer [ ] Other [ ]

Pre-requisites:

Recommended Prior Study:

Co-requisites:

Barred Combinations:

Aims:

a) Develop an overview comprehension of current research and discourse concerning adaptation planning and sustainability of cities and communities, and to place this understanding into current and future environmental contexts.
b) Gain a critical understanding of key elements, infrastructures, energy budgets, material flows, waste disposal, transportation and social dynamics that underlie the development and management of resources in cities.

c) Critically assess the complex factors that influence the provision of sustainability and adaptation planning within urban and community-focused environments.

d) Show critical awareness of the complexities of behaviours in cities and communities in relation to sustainability and adaptation. Recognise and rationalise the prospects for innovative research and practice for city and community regeneration in the built environment.

Learning Outcomes:

1. Apply a critical understanding of the issues and their interconnections concerning the development of sustainable communities and cities within the context of adaptation and sustainability in the built environment; and within different geographical contexts.
2. Show critical awareness of the influences and interconnectedness of the key political, social, economic influences on urban and community development; and the human relationship to material, energy and food systems within the context of the global ecosystems;
3. Critically evaluate theory and examples of innovations potentially useful in the transformation of urban environments towards sustainability;
4. Holistically appraise the processes of urban development, the technical issues challenging communities and cities at the infrastructure scale, including materials; energy; water; waste, food, communications, transportation and green infrastructure; and develop planning strategies for future sustainable development;

Learning Activities:
This module will comprise a series of lectures covering and interactive seminars and a short practical activity.

Distance learners will have access to the lecturers via the VLE and will take part in group seminars to debate the lecture topics via Skype. The practical activity will be available as video clips and a written outline of the aims, methods and outcomes.

Outline Syllabus:

- How cities and communities will be influenced by significant challenges of environmental and social change.
- Urban regeneration and transformations required to address climate changes and other environmental challenges
- Regeneration and Transformation in Cities and Communities
- Environmental impacts, sustainability and adaptation issues facing the urban environment will be analysed according to its material, energy, infrastructure, food, and transportation demands.
- City Governance
- The circular economy in cities
- Interdependencies of health, pollution and climate change with city infrastructure
- Urban and community form required to deliver on sustainability and adaptation aims e.g. social practice, community engagement, behaviour change.

Assessment Details:

1. Coursework: Essay (2,400 word max). 80%
2. Coursework: Individual 10-minute presentation (600 words equivalent). 20%

Weighting between E and CW: 0% 100%

Relationship between learning outcomes and assessment tasks:

<table>
<thead>
<tr>
<th>Learning Outcomes</th>
<th>1</th>
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<tr>
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<td>Component 2</td>
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Minimum Pass Mark (%): 50

Module Notes:

This module is available to be studied on-site or at distance