1. **KentVision Code and title of the module**

ARCH5570 Sustainable Urban Intervention

1. **Division and School/Department or partner institution which will be responsible for management of the module**

Arts and Humanities, Kent School of Architecture and Planning

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 6

1. **The number of credits and the ECTS value which the module represents**

30 (15 ECTS)

1. **Which term(s) the module is to be taught in (or other teaching pattern)**

Autumn

1. **Prerequisite and co-requisite modules and/or module restrictions**

None

1. **The course(s) of study to which the module contributes**

Compulsory for the BA (Hons) Architecture

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to demonstrate:**
   1. Adequate knowledge of the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. [GC2.3]
   2. Knowledge of the creative application of such work (the fine arts) to studio design projects, in terms of their conceptualization and representation.[GC3.3]
   3. Knowledge oftheories of urban design and the planning of communities. [GC4.1]
   4. Knowledge of the influence of the design and development of cities, past and present on the contemporary built environment. [GC4.2]
   5. An understanding of the impact of buildings on the environment, and the precepts of sustainable design. [GC5.2]
   6. An understanding of the way in which buildings fit into their local context. [GC5.3]
   7. An understanding of the physical properties and characteristics of building materials, components and systems, and the environmental impact of specification choices. [GC8.3]
   8. Knowledge of systems for environmental comfort realised within relevant precepts of sustainable design. [GC9.2]

1. **The intended generic learning outcomes.  
   On successfully completing the module students will be able to:**
   1. Apply a range of communication methods and media to present design proposals clearly and effectively. [GA2]
   2. Be self- critical and understand one’s strengths and weaknesses. [D15]
   3. Use images as a communication tool. [D16]
2. **A synopsis of the curriculum**

This module explores the application of sustainability theory to the practice of urban design. Engaging students in the redesign of an existing urban locality, the module provides an opportunity to investigate sustainable design strategies that address today’s environmental, social, and economic challenges. The project starts with a critical analysis of the structure, organisation, and function of the chosen locality, as well as the current design of its streets, squares and urban blocks. This analysis serves as a basis for urban design proposals for the redevelopment of the chosen locality. Explore the potential of adaptive, mixed-use developments, urban infill, and the creation of new urban spaces, these proposals will tackle sustainability goals including the mitigation of the effects of climate change, the reduction of energy use through the promotion of walkability, the optimisation of the urban microclimate, the enhancement of social equity, the economic use of land, the adaptive reuse of existing buildings, and the respect of existing cultural heritage. Relevant models and strategies will be explored through a series of lectures, seminars, and tutorials, which will provide an overview of place-making theories, introducing distinctive contemporary urban plans, analysing their historical provenance, regulatory, historical, theoretical, ergonomic, and aesthetic principles. Workshops and tutorials will also cover the technical and environmental specification of sustainable urban design at various scales, focusing on detailed landscaping proposals with an emphasis on sustainable urban drainage, planting and greenery, material specifications, vehicular and traffic management and public space and pedestrian use. Linking sustainability theory to urban design practice, this module cultivates a holistic understanding of the role of contemporary sustainability agendas in reshaping modern cities.

1. **Reading list**

The University is committed to ensuring that core reading materials are in accessible electronic format in line with the Kent Inclusive Practices.

The most up to date reading list for each module can be found on the university's [reading list pages](https://kent.rl.talis.com/index.html).

1. **Contact hours**

Total contact time: 65 hours  
Total private study: 235 hours  
Total study hours: 300 hours

1. **Assessment methods**

13.1 Main assessment methods

Design Proposal Submission (100%)

13.2 Reassessment methods

Like for like

1. **Map of module learning outcomes (sections 8 & 9) to learning and teaching methods and methods of assessment**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 9.1 | 9.2 | 9.3 |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |  |  |
| **Private Study** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | X | **X** | **X** | **X** |
| Design and technology lectures | **X** | **X** | **X** | **X** | **X** | **X** | **X** | X | **X** | **X** | **X** |
| Tutorials / seminars | **X** | **X** | **X** | **X** | **X** | **X** | **X** | X | **X** | **X** | **X** |
| Crit presentations | **X** | **X** | **X** | **X** | **X** | **X** | **X** | X | **X** | **X** | **X** |
| **Assessment method** |  |  |  |  |  |  |  |  |  |  |  |
| Design Proposal Submission | **X** | **X** | **X** | **X** | **X** | **X** | **X** | X | **X** | **X** | **X** |

1. **Inclusive module design**

The Division recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Canterbury

1. **Internationalisation**

Lectures, seminar teaching and tutorials will continue to draw on international source material for historical and contemporary theories, precedents and exemplar architectural case studies.

International students have joined us for part of this module in previous years, and it is our aspiration that this continues in future.

**DIVISIONAL USE ONLY**

**Revision record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of the delivery of revised version | Section revised | Impacts CLOs |
| 19/12/2022 | Major | 2023/24 | 1,8,10,14 |  |
|  |  |  |  |  |

Revised FSO Jan 2018