**Module Handbook**

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| **Course Title** | **BA Architecture (International)** | | | | |
| **Module Title** | **Technology 1: An Introduction to Architectural Technology** | | | **Module Code** | **TFA 1240** |
| **Module Credit** | **20** | **Assessment Number** | **1 and 2** | **% weight** | **50% each** |
| **Tutors** | **Richard Nicholls, Peter Hogg, Saeed Talebi** | | | | |
| **Learning outcomes (to be assessed)** | | | | | |
| **Knowledge and understanding** | 1. Demonstrate knowledge of the basic structural elements of buildings and an understanding of the use of equilibrium to evaluate member forces and hence stresses and deformations in axially loaded elements. 2. Demonstrate a knowledge of construction processes and the basic principles, elements and techniques of good construction detailing and material specification 3. Understand the physiological, psychological and environmental parameters necessary for comfort and how humans interact with their environment in its perception and control 4. Demonstrate a knowledge of a range of passive and interactive environmental options available to provide an acceptable internal environment | | | | |
| **Abilities** | 1. Recognise basic issues of sustainability in connection with use and specification of materials, assemblies and systems 2. Be able to make decisions regarding structural systems, material specification and detailing and appropriateness of alternative choices in environmental design strategies relating to the design of simple architectural constructions. 3. Research and explore a range of interconnected issues. | | | | |

**Assessment Programme**

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| --- | --- | --- | --- | --- | --- |
| **Element** | **Outcome Number(s)** | **Weighting (%)** | **Assessment Type** | **Date available to Student** | **Tutor Reassessment Yes/No** |
| 1 | A-G | 50% | Online multi choice test of learning outcomes related to the three strands of technology. The test will be 1.0 hours duration and will be carried out under coursework regulations | 03/4/17 | Yes |
| 2 | A-G | 50% | Reflective Journal logging activities within workshop sessions. Relating activities to the construction of buildings and forward to inclusion in design projects. | 26/9/16 | Yes |

**Assessment Strategy**

***Formative assessment***

Reflective Journal .Formative assessment will be included, which will normally take the form of formative feedback on a draft reflective journal that you submit part way through the term. This work is then completed and resubmitted as part of the summative assessment for the module.

Online test. A sample test is provided for you to gain experience with the procedures of taking online tests. You will also gain an insight in to your test performance on a sall sample of example questions.

***Summative Assessment***

***Assessment tasks (including assessment weightings)***

Reflective Journal. Relating activities to the construction of buildings and forward to inclusion in design projects. Word count 2250. Weighting 50%. Marking is anonymous and tutor reassessment is available. (Learning Outcomes A-G)

Online multi choice test of learning outcomes related to the three strands of technology. The test will be 1.0 hours duration and will be carried out under coursework regulations. Weighting 50%. Marking is anonymous and tutor reassessment is available. (Learning Outcomes A-G)

**Programme**

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| --- | --- | --- |
| **Week (Wednesday date)** | **Environment Tutor RN** | **Construction Tutor PH** |
| Term 1 week 1 28/9/16 | Introduction | Introduction |
| 2 | Heat loss | Natural materials |
| 3 | Structures Tutor ST | |
| 4 | Whole house heat loss | Foundations |
| 5 26/10/16 | **Research Week** | |
| 6 | Structures Tutor ST | |
| 7 | Low energy housing | Walls |
| 8 | Bioclimatic design | Solid & suspended floors |
| 9 | Relative Humidity | Lintels & Openings |
| 10 | Structures Tutor ST | |
| 11 | Light Basics / Artificial lighting | Roofs |
| 12 14/12/16 | Sunlight | Timber framed construction |
| Christmas Break | 19th Dec. to 13th Jan. including consolidation week | |
| Term 2 week 1 18/01/17 | Daylight | Traditional construction |
| 2 | Sound Basics | Modern methods of const’n |
| 3 | Structures Tutor ST | |
| 4 | Sound insulation | Modular building systems |
| 5 | Acoustics (Sound absorption) | Private stairs |
| 6 | **Research Week** | |
| 7 22/02/17 | Structures Tutor ST | |
| 8 | Sustainability 1 | Building Services |
| 9 | Sustainability 2 |  |
| 10 | Environment reviewed | Construction reviewed |
| 11 | Revision week | |
| 12 | Online exam 3rd April 09:00 to 23:59 Reflective Journal hand in 7th April | |
| Easter Break | 10h April to 28th April | |

**Extra Information**

Applicable attendance requirements arethose applicable to the current University Attendance Monitoring Policy

**General Information**

**Academic Integrity**

The University regards any action by a student that may result in an unfair academic advantage as a serious offence. It is your responsibility to ensure at all times that the assessments you complete are entirely your own work and that you have used the relevant referencing technique correctly and in full. Please be particularly careful when discussing your assessments with others – it is a breach of regulations to share your work with other students. The full set of regulations which govern academic integrity can be found under Section 4, Assessment Regulations 3 and 4 at

<http://www.hud.ac.uk/registry/regulationsandpolicies/studentregs/>

If you are struggling with an assignment and need help with academic protocols in terms of referencing please contact your module tutor or the School’s Academic Skills Tutor.

Please remember that making your work available to another student (even if you tell them not to copy it) may lead to an allegation of a breach of the academic integrity regulations being brought against you.

**Referencing Information**

Referencing is required to comply with APA6 standards: [www.hud.ac.uk/library/finding-information/apa-referencing/](http://www.hud.ac.uk/library/finding-information/apa-referencing/)

**Further Reading**

Please consult the reading list for this module on UniLearn.

**Access to Facilities**

Access may be required to the Heliodon situated on the ground floor of the queen street studios building. Consult with the design centre technician for access

**Health & Safety information**

Students should be aware of health and safety at all times and reports any risks that you may notice to the head of department.

**Academic Skills/Technical support information**

Students should be aware that various support systems operate within the school such as Academic Skills support, technician or the specialist librarian. Go to the ipoint, UniLearn or student portal for information on how to access these services

**Previous Year’s Module Evaluation Results**

The module is evaluated each year in various quality assurance procedures. You will be contacted later in the year via email to complete a module evaluation survey.

**Penalties for late Submission**

Late requests for extensions are not accepted and you run the risk of scoring a maximum of 40% for that piece of work if submitted late but within 5 working days of the original deadline, or 0% if submitted later than this without an approved extension.

**Extension & EC’s**

Deadlines for the submission of assessed work are strictly applied.

There are procedures in place for you to request a short extension to a deadline but this request has to be made no later than two working days after the published submission date. If you have difficulties such as a short term illness and need to request an extension, you should submit a request via the Student Portal.

Late requests for extensions are not accepted and you run the risk of scoring a maximum of 40% for that piece of work if submitted late but within 5 working days of the original deadline, or 0% if submitted later than this without an approved extension.

The University understands that there may be times when your ability to complete a piece of assessed work or to concentrate on your studies may be hindered by factors beyond your control – such as illness or personal difficulties. The regulations include a process to allow students who are affected in this way to bring these extenuating circumstances (ECs) to the attention of the relevant people in the School (such as the Course Assessment Board) so that proper account can be taken. Please be aware that a claim for ECs will usually only be accepted where you’ve been able to demonstrate that the circumstances described have had a direct impact on you and were substantial and unexpected - in all other cases students would be expected to negotiate an extension. The regulations for ECs can be found in Section 5 at <http://www.hud.ac.uk/registry/regulationsandpolicies/studentregs>

**Tutor Reassessment**

Any irregularities in assessment brought to the attention of the tutor will be investigated.