Section 1: Basic Data

Awarding institution/body:	**UWE**
Teaching institution:	**UWE**
Faculty responsible for programme:	**FBE**
Programme accredited by:	
Highest award title:	**BA/BSc (Hons) Built and Natural Environments**
Default award title:	
Interim award title:	**DipHE Built and Natural Environments** **CertHE Built and Natural Environments** **BA/BSc Built and Natural Environments**
Modular scheme title:	**Faculty of the Built Environment UG Modular Scheme**
UCAS codes:	**K2K3 x**
QAA subject benchmarking group(s):	**Building & Surveying, Town & Country Planning, Geography, Environmental Science, Engineering**
Valid until:	
Valid from:	**2002**
Authorised by:	**UG Modular Scheme Director** Date:
Version code:	**2**
Version year:	**2005**

Section 2: Educational aims of the programme

The award structure for the BSc (Hons) in Built and Natural Environments has been designed in response to the Programme Goals set out in Volume 1 of the UG Programme documentation.

The Award has been designed to :

1. Maximise student choice be enabling students to follow a negotiated programme of study which develops their own interests and perceived employment needs, at the same time taking account of their own skills and aptitudes.

2. Allow flexibility in the combination of module choices and, within the limitations of pre- and co-requisites and time-tabling constraints, to facilitate student movement between different areas of study within the Built Environment UG Modular Scheme.

3. Enable students to study at their own pace within the constraints of time-tabling and the University Regulations, either by choosing to study more or fewer modules according to their other commitments or by transferring both out of and into HE.

4. Allow students to benefit fully from academic credit from other sources including built environment courses run at other HE institutions, at European institutions and in non-HE contexts (such as credit rated short courses for industry).

5. Provide an opportunity for students to obtain a degree within the Built Environment area which is neither cognate nor related to any specific professional institution but which would be accepted as a foundation for further specialised studies at Post-Graduate level including Masters.

6. Allow students to experience the inter-professional culture within the Faculty by studying from the complete range of modules offered by the different Fields within the Faculty including the shared electives.

The Award is designed both as an Honours and Unclassified Degree although students may also be eligible for the award of Cert. HE, and Dip. HE. The Award aims to meet its objectives by means of a progressive and developing programme which may be delivered on either a full or part-time basis.

Section 3: Learning outcomes of the programme

A: Knowledge and understanding

By the end of the programme, the student should be able:	Teaching/learning methods and strategies
To have knowledge of one of the following general areas - the detailed learning outcomes depending on the specific modules chosen. The learning outcomes will also vary depending on whether a student has taken a placement or not. Details of the programme learning outcomes can be found through the placement link at the end of the section on the programme structure. 1. A broad perspective of the workings of the property market and construction industry and their associated professions 2. An in-depth view of selected issues relating to the built and natural environments 3. Knowledge of how the built and natural environments are formed, developed and interact. 4. Knowledge of other areas included within the Modular Scheme as specified in the learning outcomes for the modules completed during their individual programme of study.	These outcomes will be achieved primarily through lectures, tutorials, seminars, workshops depending on the nature of the modules being studied. Study for each modules will normally include formative activities, based around exercises, independent reading, use of materials on the Faculty intranet, essay and report structure plans, laboratory experiments and other work associated with each module selected by a student. **Assessment** Testing of the knowledge and understanding is by means of a wide variety of assessment methods including examinations (seen and unseen), assessed coursework, oral presentations, computer-based assessment, and through experimental work undertaken in the laboratory or in real-life situations.

B: Intellectual skills

By the end of the programme, the student should be able:	Teaching/learning methods and strategies
1. To demonstrate a range of academic intellectual skills including analysis, synthesis, problem identification and solution, and critical appraisal of alternative ideas and solutions to form soundly based judgements. 2. To research a subject related to the focus of their knowledge and produce a well argued dissertation based on in-depth analysis of their chosen subject and grounded in the existing literature. 3. To analyse problems and to develop ideas, debate issues and articulate conclusions in response to these	Intellectual skills are developed through a variety of methods depending upon the modules selected and including tutorial sessions, individual and group presentations and discussions, laboratory experiments, computer-based analysis, critical evaluations and summaries, project and design reports, research proposals and projects. Each module underpins student learning by means of formative assessment using a variety of methods including tutorial and studio-based submissions and consultations with tutors as well as written feedback. The dissertation is probably the most testing piece of work for the assessment of intellectual skills since it requires students to work independently and develop these skills over a significant time period. **Assessment** The assessment methods employed depend upon the modules selected by a student. Summative assessment may be by means of a variety of methods including coursework, portfolio presentations, projects, oral presentations and seen / unseen examinations.

C: Subject, Professional and Practical Skills

By the end of the programme, the student should be able:	**Teaching/learning methods and strategies**
To have developed such subject, professional and practical skills as are required by the individual modules selected.	A range of methods is used depending on the individual modules selected by a student. These include project work, practical workshops, laboratory classes, computer workshops, field trips and design studios. **Assessment** The assessment of practical skills is undertaken by means of a variety of methods including laboratory experimental reports, computer-based assessments, statistical and other data-based tests, design portfolios, critical reports, tests and practical examinations.

D: Transferable skills and other attributes

By the end of the programme, the student should be able:	Teaching/learning methods and strategies
1. To make effective use of a range of communication skills, both written and oral 2. To have developed the ability to work independently and in multi-disciplinary groups 4. To have an ability to plan, manage and complete a significant piece of independent study / research work. 5. To have developed a range of IT skills at an introductory level and at a higher level as required for the individual modules selected 6. To demonstrate skills required to progress to a career in the built environment	Transferable skills and attributes are embedded in all modules within the Faculty enabling students to engage in and develop a range of essential academic, personal and professional transferable skills. These are enhanced by key transferable skills being incorporated into the core and recommended modules within each Year of the Award and which encourage students to evaluate their own skills and competencies and to reflect on how these could be enhanced. **Assessment** A variety of assessment methods is employed to test transferable skills including oral presentations and written assessments to determine ability in terms of literacy, numeracy, IT skills, written and verbal communication, draughtsmanship and teamwork.

Section 4: Programme structure

Principles of the BNE Honours Degree Award

1.Generally

The award allows students to design their own award as described in Volume I of the FBE Undergraduate Modular Scheme. Students are guided by the Award Team to ensure that their choices are coherent and, where relevant, build on their pre-requisite knowledge and skills. The Award Team will also ensure that the skills required to meet the learning objectives of the award are included within the modules selected.

The modules available as part of the Faculty's UG Modular Programme have been analysed and those relating specifically to integrative studies, practice implementation or experiential learning will normally not be offered to students on the BNE Award.

2. Module Choices - 'Two Thirds Rule'

Students will not normally be permitted to select more than two thirds of their modules at any one Level from within any one of the Faculty's structured UG awards.

Shared electives do not count as specific award modules for the purposes of the two thirds rule.

3. Shared elective modules (SE)

Students on the Award must study at least two of these 10 credit modules and may study up to eight in total. A European language elective is equivalent to two shared elective 10 credit modules.

4. Pre-Requisites, Co-Requisites and Excluded Combinations.

Considerable effort has also gone into identifying overlap between modules offered on different awards and various module combinations have on this basis been excluded. Where overlap has not yet been identified but is subsequently found to exist, it will be necessary for the BNE Award Team in conjunction with the relevant Module Leaders to take action to prevent students studying certain module combinations. This is to prevent them obtaining two lots of credit for one set of knowledge and skills. The list of excluded combinations will be extended as appropriate.

In negotiating a programme of study for an individual student, it will be necessary to guide the student through the map of pre- and co-requisite module relationships to ensure that any choices at the later stages of the award are not excessively constrained. The various module specifications identify the pre- and co-requisite requirements relating to the existing Faculty awards to which they contribute. It is likely that in some cases alternative modules may provide the necessary pre-or co-requisite knowledge and skills. In this case, the BNE Award Team in conjunction with the Module Leaders of the original and alternative pre or co-requisite modules may permit a student to register for the alternative module.

5. Transfer to BNE and Accredited Learning (AL) Credit

Students transferring into the BNE Award from other FBE UG awards may, at the discretion of the BNE Award Management Committee, have their credit recognised for any modules taken as part of those original awards at the appropriate level.

6. Structure of and progression on the Honours Degree Award

Level One

Modules available at Level One of the Award generally consider basic concepts and principles and are intended to underpin modules studied at the later stages. In particular, social, legal, economic and environmental issues may be explored.

Students may select a maximum of 120 credits from Level 1 modules. At least one of these modules must include an introduction to study skills and therefore all BNE students MUST include one of the following modules / module combinations within their personal programme:

1. "Geographical Analysis" OR
2. "Information Management for the Built Environment" AND the "Field Study Team Project (BNE)"

Students taking modules which are predominantly drawn from the professional awards offered by the Faculty will be further recommended to study at least one of the following:

1. "Introduction to Law and Planning Practice" OR Introduction to Law and Construction Contracts

AND

2. "Business Economics & Management for the Construction Industry" OR "Economy, Society & the Built Environment"

The modules named above are offered across most of the Faculty's awards and are important base modules on many awards. They will require BNE students to study in mixed groups with other students from across the FBE spectrum thereby helping to increase the appreciation by students on this award of the range of interests and values accommodated by the Faculty UG Modular Scheme.

Level Two

Level Two modules build upon studies undertaken at Level One. There is no mandatory core module but all BNE students will be advised to study between two and four half-module shared electives including the shared elective module Career Development. This is a skills-based module which allows students to develop a range of important transferable and professional skills to prepare them for employment.

The shared electives provide an opportunity for students to broaden the learning experience and BNE students are encouraged to select at least two half module shared electives.

In addition to the electives, students must select between 20 and 120 credits of optional modules from Level Two modules - depending on the level of the electives.

Placement

Students may choose to complete a sandwich placement on completion of 200 credits with at least 90 at level 2.

Level Three

The Level Three modules generally seek to broaden the student's perspective of matters relating to stewardship of the built environment by those concerned with it. The emphasis is on the requirement for qualities of analysis, synthesis, scholarship and judgement and these are included and assessed within the Level Three modules, through the need to consider advanced and strategic issues and to undertake work for dissertations and projects. The teaching and learning methods will again reflect this shift of emphasis by providing a greater degree of discussion and debate. All BNE students seeking an honours classification are required to take the research-based module "Dissertation A".

In order to provide suitable support to BNE students as they approach the end of the award and increasingly need to consider future career choices they will be recommended to select the Level Two half module shared elective "Professional Development for the Built Environment". This will enable all BNE students at Year Three to study one joint module and support the student's development of career related skills.

BNE students at Level Three must also (in addition to the electives and the dissertation) select between 40 and 120 credits of level 3 optional modules - depending on the level of the electives (giving a minimum 100 Level 3 credits in total).

7. Students studying for an unclassified Degree.

60 credits worth of taught modules must be selected from the Level 3 list of options and electives.

Core modules

Level 3
UBILF3-20-3: Dissertation A (20)

Optional modules

Students must select 100-120 credits at level 1 from the following modules:
UBLL79-20-1: Building Construction (20)
UBIL6Y-20-1: Business Economics & Management for Construction (20)
UBCLBU-20-1: Civil Engineering Construction & Highways (20)
UBCLBV-10-1: Civil Engineering Surveying (10)
UBGL8U-20-1: Concepts of Sustainability (20)
UBCLBX-20-1: Construction Technology A (20)
UBCLBY-10-1: Data and Analysis (10)
UBCLH6-10-1: Data and Dimensional Control (10)
UBGL97-20-1: Earth Systems (20)
UBIL73-20-1: Economy, Society and the Built Environment (20)
UFQEFH-20-1: Engineering Maths 1 (20)
UBGLAB-20-1: Environmental Impact of Tourism (20)
UBGL8V-20-1: Environmental Issues (20)
UBCLC4-10-1: Environmental Science and Materials (10)
UBCLC5-20-1: Environments and Construction Materials (20)
UBGL8X-20-1: Geographical Enquiry (20)
UBIL74-10-1: Information Management for the Built Environment A (10)
UBGLA6-20-1: Introduction to Human Geography (20)
UBCL7B-20-1: Introduction to Law and Construction Contracts (20)
UBLL7B-20-1: Introduction to Law and Construction Contracts (20)
UBHLG6-20-1: Introduction to Law and Housing Practice - A (20)
UBHLDT-20-1: Introduction to Law and Planning Practice (20)
UBCLDT-20-1: Introduction to Law and Planning Practice (20)
UFMEBG-10-1: Introduction to Mechanical Engineering (10)
UBLL7E-20-1: Introduction to Property Appraisal (20)
UBGLAA-20-1: Introduction to Tourism (20)
UBCLDM-20-1: Materials and Mechanics (20)
UBGL96-20-1: Physical Geography (20)
UBHLDV-20-1: Processes of Urban Change (20)
UBLL7C-20-1: Property Information Management (20)
UBLL7D-10-1: Property Law A (10)
UBPL37-20-1: Sustainable Communities (20)

Target Award

BA/BSc (Hons) Built and Natural Environments

360 credits including 100 credits at level 3, a further 100 credits at level 2 or above and a further 140 credits at level 1 or above

Default Award

Interim Awards

BA/BSc Built and Natural Environments

300 credits including 60 credits at level 3, a further 100 credits at level 2 or above and a further 120 credits at level 1 or above.

CertHE Built and Natural Environments

120 credits including 100 credits at level 1 or above

DipHE Built and Natural Environments

240 credits including 100 credits at level 2 or above and a further 120 credits at level 1 or above

UBPLHD-20-1: The Makings of Place (20)
UBPL39-20-1: Urban Design (20)
Students must take 20 credits from the following:
UBCLDR-10-1: Field Study Team Project (BNE) (10)
UBGL8W-20-1: Geographical Analysis (20)
UBIL74-10-1: Information Management for the Built Environment A (10)
Students must take between 20 - 80 credits of shared electives:
80 Credits Shared Electives
Students must take 20 - 120 credits of optional modules at level 2 (other than shared electives):
UBLLHA-10-2: Agency (10)
UBCLFY-10-2: Analysing Building Performance (10)
UBLLHB-20-2: Applied Valuations A (20)
UBGL99-20-2: Biogeography and Conservation (20)
UBLL7G-20-2: Building Defects and Property Surveys (20)
UBCLCA-10-2: Building Services (10)
UBCLCB-10-2: Building Services Engineering (10)
UBLL7H-20-2: Business Management in Transport (20)
UBCLCD-20-2: Business Structures and Behaviour for Construction and Property (20)
UBPL3L-20-2: City and Regional Plan Making (20)
UBCLFT-20-2: Construction Procurement and Contract Administration B (20)
UBCLCF-20-2: Construction Technology B (20)
UBLL7L-20-2: Corporate Property Management (20)
UBLL7N-20-2: Design & Performance of Commercial Buildings (20)
UBCLCC-20-2: Development and Design Economics (20)
UBCLCH-10-2: Electro Technology (10)
UBCLD6-10-2: Energy Systems (10)
UMSCBW-20-2: Entrepreneurship and Small Business (20)
UBGL9V-20-2: Environmental Change (20)
UBGL9A-20-2: Environmental Management: Policy and Implementation (20)
UBGL9L-20-2: Extreme Environments (20)
UBGL9B-20-2: Field Studies (Geography) (20)
UBCLCL-20-2: Fluid Mechanics (20)
UBGL9C-20-2: Geography of Tourism (20)
UBGL9D-20-2: Global Development (20)
UFMEBU-15-2: Heat Transfer (15)
UBPL3D-10-2: History of Architecture (10)
UBHLE4-20-2: Housing Economics and Finance (20)
UBHLE5-20-2: Housing Law and Practice (20)

UBHLE6-20-2: Housing Management Practice (20)
UBLL7T-10-2: Land Use Economics (10)
UBLL7U-20-2: Law for Development (20)
UBGLGX-20-2: Leisure and Sport Policy (20)
UBGL9K-20-2: Philosophy and Development of Geography (20)
UBPL3F-20-2: Planning Policy (20)
UBCLCQ-20-2: Project Information & Measurement (20)
UBCLCN-20-2: Project Planning and Economics (20)
UBGL9Y-20-3: Promoting Sustainability (20)
UBLL7Y-20-2: Property & Construction Law (20)
UBLL85-20-2: Property Appraisal A (20)
UBLL7J-20-2: Property Business Studies and Finance (20)
UBLL7P-20-2: Property Development Economics (20)
UBLL83-20-2: Property Management (20)
UBLL86-20-2: Refurbishment and Renewal (20)
UBGLHF-20-2: Research Methods for Tourism (20)
UBGL9M-20-2: Rivers and Coasts (20)
UBPL3G-20-2: Rural Issues and Futures (20)
UBCLD4-20-2: Site Management and Contracts (20)
UBCLCT-20-2: Site Management and Engineering (20)
UBCLCV-20-2: Structural Design (20)
UBCLHE-20-2: Structural Design Technology (20)
UBCLCW-20-2: Structures and Building Engineering (20)
UBCLCX-20-2: Structures and Ground Engineering A (20)
UBCLCY-20-2: Structures and Ground Engineering B (20)
UBHLE7-20-2: Sustainability, Decision-Making and Society (20)
UBCLD3-20-2: Technology Design and Environment (20)
UBGL9Q-20-2: The Changing Geography of Europe (20)
UBGL98-20-2: The Making of the British Landscape (20)
UBGLGY-20-2: Tourism Planning and Practice (20)
UBPL3H-20-2: Transport Planning and Modelling (20)
Students must take 40 - 120 credits of optional level 3 modules (other than shared electives):
UBLL8P-20-3: Administrative Law & Compulsory Purchase (20)
UBLL8N-20-3: Agency and Marketing (20)
UBLLET-20-3: Applied Valuations B (20)
UBCLD7-20-3: Architectural Acoustics and Noise Control (20)
UBCLG3-15-3: Building Services Design B (15)
UBCLFX-30-3: Building Services Systems Performance B (30)
UBHLBQ-20-3: Cities in Transition (20)

UBCL4Y-20-3: Civil Engineering Management (20)
UBLL8F-20-3: Conservation and Sustainability (20)
UBCLD8-20-3: Construction Economics and Cost Modelling (20)
UBCLDJ-10-3: Engineering Hydrology (10)
UBGL3U-20-3: Environmental and Sustainability Assessment (20)
UBGLDH-10-3: Environmental Assessment (10)
UBGL6B-20-3: Environmental Management in the Third World (20)
UBLLEW-20-3: European Estate Management (20)
UBCLD9-20-3: Financial and Human Resource Management (20)
UBGL6L-20-3: Geography and Sustainability in North America (20)
UBGL6M-20-3: GIS & Remote Sensing Applications (20)
UBHLEN-20-3: Housing Markets and Policy (20)
UBHLGL-10-3: Housing, Care and Support (10)
UBLL8H-20-3: Leisure Finance and Development (20)
UBLL8J-20-3: Leisure Property Management (20)
UBCL5S-10-3: Maintenance & Facilities Management (10)
UBHL3V-20-3: Management and Decision-Making (20)
UBGL6J-20-3: Management of Rivers and Coasts (20)
UBCL4F-10-3: Management Strategies (10)
UBGL6K-20-3: Managing the Urban Heritage (20)
UBGLA7-20-3: Natural Hazards (20)
UBGLC8-20-3: Nature Conservation (20)
UBPLBL-20-3: Planning Theory and Philosophy (20)
UBCLDB-20-3: Production Management (20)
UBCL5N-20-3: Professional Issues for Engineers (20)
UBCLDG-20-3: Project and Conflict Management (20)
UBCLDC-20-3: Project and Contract Management (20)
UBGL9Y-20-3: Promoting Sustainability (20)
UBLLFA-20-3: Property Appraisal B (20)
UBLLES-20-3: Property Development (20)
UBLL8L-20-3: Property Portfolio Management (20)
UBLL47-20-3: Refurbishment Project Management (20)
UBHLEP-10-3: Running a Social Business (10)
UBCLDD-20-3: Services and Structures (20)
UBGL6E-20-3: Soil and Environment (20)
UBPLJ6-20-3: Spatial Planning in the European Union (20)
UBHL6V-20-3: Strategic Asset Management (20)
UBLL8M-20-3: Strategic Management of Property (20)
UBCLDK-20-3: Structures and Ground Engineering C (20)

UBGLA3-20-3: Studies in Rural Change (20)
UBCLDF-20-3: Technological Innovation and Life Cycle (20)
UBPLH5-10-3: Theories of Architecture (10)
UBGLHH-20-3: Tourism Futures (20)
UMMC9F-20-3: Tourism Policy (20)
UBGLA4-20-3: Tourism, Communities and Conservation (20)
UBLL8Q-20-3: Transport Economics & Policy (20)
UBPL8Q-20-3: Transport Economics & Policy (20)
UBPLFK-20-3: Transport Systems and Logistics (20)
UBHLED-20-3: Urban Regeneration (20)

Placement

120 P credits
Placements

Section 5: Entry requirements

Applicants must possess GCSE Grade C or above in Mathematics and English.

Some modules within the Faculty require students to have achieved a similar standard in other GCSEs - in Mathematics, Geography or an Environmental or Physical Science - and these will be set out on a module by module basis. Some also require students to have achieved an A-level or AS pass in specific subjects, normally mathematics or a physical science for engineering modules.

These GCSEs are not requird for entry to the award but the skills/knowledge included in these may be required for certain modules. Where students wish to register for these modules but do not have the specified GCSE, the award team will discuss with the module leader and the student whether s/he has the required pre-requisite skills/knowledge to be admitted to the module.

Entry for Non-standard entrants

Applicants without the minimum academic qualifications specified in Volume 1 of the FBE Undergraduate Modular Scheme but with relevant voluntary or employment experience will be encouraged to apply. S/he will be registered for the award if there is a reasonable expectation that s/he will be able to attain the standard required for the award after completing the programme of study and can demonstrate the required standards in English and Maths.

See also the Standard faculty entry requirements apply.

Section 6: Assessment Regulations

The Assessment Regulations are in accordance with the University Modular Assessment Regulations.

Section 7: Student learning: distinctive features and support

1. The Award is a four year programme which includes a Foundation year which allows students without the normal qualifications for entry to a degree to study an extra year at Level 0 towards the degree.

2. The Award allows students at Level 1, Level 2 and Level 3 to design their own programme by taking modules from across the whole of the FBE UG Modular Scheme.

3. Students may theme their personal module selection to shadow a specific FBE award as long as they do comply with the 'two-thirds rule' (described above).

4. Students may select modules in which they feel they have particular strengths and/or interests to create an award programme which reflects personal aspirations.

5. Students may progress either to an Honours degree award (360 credits including Dissertation A) or may choose to take an unclassified degree award after completion of 300 credits as specified by the University Modular Assessment Regulations.

6. The underlying challenge to a student to design their own study programme over a period of three years and to be sufficiently motivated to carry out such an individual programme over an extended period results in graduates who are attractive to employers because of the breadth of academic and transferable skills developed and the positive personal qualities involved.

7. Flexible study modes and optional placement

The course is offered in 3-year full-time or 4-year sandwich mode. Students may also convert to part-time mode after the placement year. This allows students to develop a strong vocational focus and will increase students' awareness of the relevance of the course and inform their module choices.

Section 8: Reference points/benchmarks

1. Subject benchmark statement

Subject benchmarks provide an important external reference. The benchmarking of academic standards for this subject area has been undertaken by a group of specialists facilitated by the Quality Assurance Agency for Higher Education (QAA). This award does not sit within any one of the subject benchmarks but modules within it will cover the knowledge and skills set out in the benchmark statements depending on the modules studied.

2. University and Faculty Strategies for Teaching, Learning and assessment

University and Faculty teaching and learning strategies including the framework for skills development and formative assessment are incorporated in this Programme. Details are set out in Volume 1 of the Undergraduate Modular Scheme documentation.

3. Research and Consultancy

All teaching staff in the Faculty of the Built Environment are engaged in scolarship including research, consultancy and professional practice. This both informs and underpins the content and the teaching within the Level 1, 2 and 3 modules available for study by students on the Programmme.