

## Course Specification

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<b>Produced By:</b>	Oliver Jones
<b>Status:</b>	Validated

## Core Information

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<b>Awarding Body / Institution:</b>	University of Wolverhampton		
<b>School / Institute:</b>	School of Architecture and Built Environment		
<b>Course Code(s):</b>	AT013T01UV	Full-time	4 Years
<b>UCAS Code:</b>	K10F		
<b>Course Title:</b>	BSc (Hons) Architecture with Foundation Year		
<b>Hierarchy of Awards:</b>	Bachelor of Science with Honours Architecture Bachelor of Science Architecture Diploma of Higher Education Architecture Certificate of Higher Education Architecture University Statement of Credit University Statement of Credit		
<b>Language of Study:</b>	English		
<b>Date of DAG approval:</b>	01/Apr/2020		
<b>Last Review:</b>			
<b>Course Specification valid from:</b>	2019/0		
<b>Course Specification valid to:</b>	2021/2		

## Academic Staff

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<b>Course Leader:</b>	Olive White
<b>Head of Department:</b>	Mr Colin Orr

# Course Information

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<b>Location of Delivery:</b>	University of Wolverhampton
<b>Category of Partnership:</b>	Not delivered in partnership
<b>Teaching Institution:</b>	University of Wolverhampton
<b>Open / Closed Course:</b>	This course is open to all suitably qualified candidates.

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## Entry Requirements:

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Entry requirements are subject to regular review. The entry requirements applicable to a particular academic year will be published on the University website (and externally as appropriate e.g. UCAS)

## Distinctive Features of the Course:

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This course builds on the rich heritage of Wolverhampton and its unique geographic position within the Black Country region of the UK, seen by many as the birthplace of the industrial revolution.

The course provides you with a fully engaging design based education and will allow you to explore your architectural design abilities through studio-based learning.

In addition to developing your creative capabilities, this course will draw on our rich technological history to allow you to integrate design with the latest emerging technology for the development of buildings that excite the user and shape the local, national and international urban environment. Sustainability features heavily in all aspects of the course and this underlying ethos will feature throughout your studies, ensuring that you design for a built environment that leaves a positive legacy.

Our proven track record of research and industry engagement in the field of Building Information Modelling (BIM) and advanced visualisation/modelling technologies is embedded into the course. As you develop your knowledge of the design process, the use of these tools will position you at the cutting edge of today's global construction industry, enabling you to model and manage the full spectrum of design information.

## Educational Aims of the Course:

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The aim of this course is to challenge you to explore your creative design capabilities whilst exploiting traditional and modern technologies and materials for the development of the current and future Built Environment. Throughout your study, you will explore how architecture can shape national and international communities and culture, including developing a deep understanding of the responsibility to create sustainable solutions.

Each level of the course is centred on the design studio and this gives you the opportunity to engage with real world projects and put theory into practice. In total, half of the course is based around design projects, where assessment is undertaken through the submission of design portfolios. Working within a studio environment will allow you to develop vocational architectural skills and develop your intellectual capabilities to explore theory and critically evaluate your work and that of others.

Our rich heritage with emerging technologies will equip you for the modern construction industry. Our expertise in the field of Building Information Modelling (BIM) and visualisation techniques along with their integration into the curriculum, will position you to exploit this exciting new approach to the worldwide construction sector.

Our strong international links will provide you with the opportunity to develop design skills that draw from a range of cultures and identities. Study trips will support this element of your learning and assist you in relating culture to theory and how these can be included in your design projects.

## Intakes:

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September

## Major Source of Funding:

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Office for Students (OFS)

## Tuition Fees:

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Tuition fees are reviewed on an annual basis. The fees applicable to a particular academic year will be published on the University website.

Year	Status	Mode	Amount
2020/1	H	Full Time / Sandwich	£9250.00
2020/1	Overseas	Full Time / Sandwich	£12250.00
2021/2	H	Full Time / Sandwich	£9250.00
2021/2	Overseas	Full Time / Sandwich	£12950.00

## PSRB:

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None

## Course Structure:

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### September (Full-time)

#### Year 1

Module	Title	Credits	Period	Type
3CC004	Problem Solving in Science and Technology	20	SEM1	Core
3PY002	Communication and study skills	20	SEM1	Core
3MM003	Foundation Mathematics I	20	SEM1	Core
3CN005	Orientation to Infrastructure and the Built Environment	20	SEM2	Core
3MM004	Foundation Mathematics II	20	SEM2	Core
3ET007	Practical Engineering Science for Electro-Mechanical design	20	SEM2	Core

### September (Full-time)

#### Year 2

Module	Title	Credits	Period	Type
4AT014	Architectural Communication	20	YEAR	Core
4AT016	History and Theory of Architecture	20	YEAR	Core
4AT017	Design Studio; Principles of Architectural Design	20	SEM1	Core
4AT018	Materials, Construction and Structure	20	SEM1	Core
4AT015	Design Studio; Designing for the Individual Client	40	SEM2	Core

## September (Full-time)

### Year 3

Module	Title	Credits	Period	Type
5AT021	Designing for Climate and Building Science	20	YEAR	Core
5AT024	City and Urbanism	20	YEAR	Core
5AT022	Design Studio: Integrating Technology	20	SEM1	Core
5AT020	Advanced Materials Construction and Structure	20	SEM1	Core
5AT023	Design Studio: Integrating Urban Design	40	SEM2	Core

## September (Full-time)

### Year 4

Module	Title	Credits	Period	Type
6AT009	Special Studies Dissertation	20	SEM1	Core
6AT013	Design Studio: Major Project	40	SEM2	Core
6AT014	Architectural Practice & Management	20	SEM2	Core
6AT011	Design Studio: Integrating Comprehensive Design	40	SEM1	Core

Please note: Optional modules might not run every year, the course team will decide on an annual basis which options will be running, based on student demand and academic factors, to create the best learning experience.

## Learning, Teaching and Assessment

### Academic Regulations Exemption:

Section 1.2.3 - University Academic Calendar: Request to allow Design Studio modules 6AT011 and 6AT012 to run consecutively for seven weeks each. Approved.

Section 1.3.1 - University Academic Framework: Exemption to permit the inclusion of a 40 credit Design Studio module at each level of study. Approved.

Sections 4.4.3 - Compensation: Exemption to allow no compensation for marginal failure on any modules. Approved but noted agreed thresholds for third attempts in Section 4.4.4. will apply. Students are

required to re-take any failed modules, if they achieve less than 29% for any summative assessment, or would otherwise be entitled to re-sit if they achieve between 30% and 39% for any summative assessment.

Section 4.5.1 - Continuation and Progression: In order to progress from one year to the next, full-time students are required to have passed modules totalling 120 credits and be in a position to not exceed the maximum period of registration over which an award or interim award may be studied. Approved.

Section 5.2.2 - Classification of award: The inclusion of grades for Design Studio modules at Level 5 and Level 6, and the Specialist Dissertation module at Level 6, in the calculation of the award classification. Approved.

Approved by AFRSC on 9/5/2013.

## Reference Points:

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UK Quality Code for Higher Education - Architecture RIBA & ARB January 2010.  
Qualifications and Credit Frameworks  
Subject Benchmark Statements  
University Policies and Regulations  
Equality Act (2010)

## Learning Outcomes:

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Foundation Course Learning Outcome 1 (UCCL01)

Solve real world problems using mathematical and statistical techniques.

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Foundation Course Learning Outcome 2 (UCCL02)

Communicate scientifically using oral and written skills to provide information to a variety of audiences.

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Foundation Course Learning Outcome 3 (UCCL03)

Demonstrate and apply problem solving skills to a range of scientific and technological scenarios.

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Foundation Course Learning Outcome 4 (UCCL04)

Demonstrate and apply knowledge of a range of scientific and technological subjects.

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Foundation Course Learning Outcome 5 (UCCL05)

Demonstrate personal development in terms of career choice.

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CertHE Course Learning Outcome 1 (CHECLO1)

Demonstrate knowledge of the underlying concepts and principles associated with your area(s) of study, and an ability to evaluate and interpret these within the context of that area of study"

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CertHE Course Learning Outcome 2 (CHECLO2)

Demonstrate an ability to present, evaluate and interpret qualitative and quantitative data, in order to develop lines of argument and make sound judgements in accordance with basic theories and concepts of your subject(s) of study."

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CertHE Course Learning Outcome 3 (CHECLO3)

Evaluate the appropriateness of different approaches to solving problems related to your area(s) of study and/or work

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CertHE Course Learning Outcome 4 (CHECLO4)

Communicate the results of your study/work accurately and reliably, and with structured and coherent arguments"

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CertHE Course Learning Outcome 5 (CHECLO5)

Demonstrate the qualities and transferable skills necessary for employment requiring the exercise of some personal responsibility

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DipHE Course Learning Outcome 1 (DHECLO1)

Demonstrate knowledge and critical understanding of the well-established principles of your area(s) of study, and of the way in which those principles have developed with an understanding of the limits of your knowledge, and how this influences analyses and interpretations based on that knowledge."

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DipHE Course Learning Outcome 2 (DHECLO2)

Demonstrate the ability to apply underlying concepts and principles outside the context in which they were first studied, including, where appropriate, the application of those principles in an employment context"

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DipHE Course Learning Outcome 3 (DHECLO3)

Demonstrate knowledge of the main methods of enquiry in the subject(s) relevant to the named award, and ability to evaluate critically the appropriateness of different approaches to solving problems in the field of study"

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DipHE Course Learning Outcome 4 (DHECLO4)

Use a range of established techniques to initiate and undertake critical analysis of information, and to propose solutions to problems arising from that analysis"

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DipHE Course Learning Outcome 5 (DHECLO5)

Effectively communicate information, arguments and analysis in a variety of forms to specialist and non-specialist audiences, and deploy key techniques of the discipline effectively"

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DipHE Course Learning Outcome 6 (DHECLO6)

Demonstrate the qualities and transferable skills necessary for employment, requiring the exercise of personal responsibility and decision-making and undertake further training, developing existing skills and acquire new competences that will enable them to assume significant responsibility within organisations."

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Ordinary Course Learning Outcome 1 (ORDCLO1)

Through analysis of user requirements and current knowledge, you will have the ability to generate and effectively communicate comprehensive architectural designs through a range of media, taking into account aesthetics, technical building requirements and environmental impact "

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Ordinary Course Learning Outcome 2 (ORDCLO2)

You will evaluate and articulate the cultural histories and aesthetic theories of architecture, including how the arts can influence and inform architectural design. You will then implement this knowledge in the

development of design concepts."

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Ordinary Course Learning Outcome 3 (ORDCLO3)

You will understand the role of the architect as a professional within the construction industry, including their legal responsibilities to operate within standards and codes, the requirement to maintain professional development and their relationship to others within the sector. "

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Ordinary Course Learning Outcome 4 (ORDCLO4)

You will develop a systematic understanding of how to develop comprehensive design briefs and manage projects to meet complex client/user requirements, ensuring that financial, environmental, social, and economic sustainability techniques are applied to the overall project "

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Ordinary Course Learning Outcome 5 (ORDCLO5)

You will critically evaluate the role of architecture within the broader domain of urban design, understanding the relationship between people, buildings and communities and how current legislation impacts on the development of the built environment in a national and global context"

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Ordinary Course Learning Outcome 6 (ORDCLO6)

You will demonstrate the ability to synergise aesthetic form with engineering and material constraints surrounding structure, including critically analysing alternative systems to specify safe, sustainable and cost effective solutions."

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Honours Course Learning Outcome 1 (DEGCLO1)

Through analysis of user requirements and current knowledge, you will have the ability to generate and effectively communicate comprehensive architectural designs through a range of media, taking into account aesthetics, technical building requirements and environmental impact "

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Honours Course Learning Outcome 2 (DEGCLO2)

You will evaluate and articulate the cultural histories and aesthetic theories of architecture, including how the arts can influence and inform architectural design. You will then implement this knowledge in the development of design concepts."

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Honours Course Learning Outcome 3 (DEGCLO3)

You will understand the role of the architect as a professional within the construction industry, including their legal responsibilities to operate within standards and codes, the requirement to maintain professional development and their relationship to others within the sector. "

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Honours Course Learning Outcome 4 (DEGCLO4)

You will develop a systematic understanding of how to develop comprehensive design briefs and manage projects to meet complex client/user requirements, ensuring that financial, environmental, social, and economic sustainability techniques are applied to the overall project "

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Honours Course Learning Outcome 5 (DEGCLO5)

You will critically evaluate the role of architecture within the broader domain of urban design, understanding the relationship between people, buildings and communities and how current legislation impacts on the development of the built environment in a national and global context"

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## Honours Course Learning Outcome 6 (DEGCLO6)

You will demonstrate the ability to synergise aesthetic form with engineering and material constraints surrounding structure, including critically analysing alternative systems to specify safe, sustainable and cost effective solutions."

### Overview of Assessment:

Module	Title	Course Learning Outcomes
3CC004	Problem Solving in Science and Technology	UCCL01, UCCL03
3CN005	Orientation to Infrastructure and the Built Environment	UCCL02, UCCL04, UCCL05
3ET007	Practical Engineering Science for Electro-Mechanical design	UCCL02, UCCL04, UCCL05
3MM003	Foundation Mathematics I	UCCL01, UCCL04, UCCL05
3MM004	Foundation Mathematics II	UCCL01, UCCL04, UCCL05
3PY002	Communication and study skills	UCCL02, UCCL04, UCCL05
4AT014	Architectural Communication	CHECLO1, CHECLO2, CHECLO3, CHECLO4, CHECLO5
4AT015	Design Studio; Designing for the Individual Client	CHECLO1, CHECLO2, CHECLO3, CHECLO4, CHECLO5
4AT016	History and Theory of Architecture	CHECLO1, CHECLO2, CHECLO3, CHECLO4, CHECLO5
4AT017	Design Studio; Principles of Architectural Design	CHECLO1, CHECLO2, CHECLO3, CHECLO4, CHECLO5
4AT018	Materials, Construction and Structure	CHECLO1, CHECLO2, CHECLO3, CHECLO4, CHECLO5
5AT020	Advanced Materials Construction and Structure	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5AT021	Designing for Climate and Building Science	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5AT022	Design Studio: Integrating Technology	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5AT023	Design Studio: Integrating Urban Design	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5AT024	City and Urbanism	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
6AT009	Special Studies Dissertation	DEGCLO4, ORDCLO4
6AT011	Design Studio: Integrating Comprehensive Design	DEGCLO1, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO5, DEGCLO6, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6AT013	Design Studio: Major Project	DEGCLO1, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO5, DEGCLO6, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6AT014	Architectural Practice & Management	DEGCLO1, DEGCLO3, DEGCLO4, ORDCLO1, ORDCLO3, ORDCLO4

### Teaching, Learning and Assessment:

#### Year 1:

Following an introduction to key concepts and methods, you will start by exploring communication methods, including making physical models and exploring forms of representation and manipulation of architectural



form by graphic, photographic and digital means.

Small scale individual and group design studio projects allow an exploration of the methods of realisation, including the conventions of architectural drawing as a means of communication and methods of construction.

In parallel with design projects, you will also broaden your understanding of both historical and contemporary precedents of art and architectural design along with the fundamental knowledge of structure and materials used.

The year concludes with a Major Design project during which you apply the knowledge gained in the preceding and concurrent modules to a small residence/retreat for an individual client.

All work is thoroughly documented and presented in a final individual portfolio. All portfolio tasks will be subject to intermediate reviews during which students are required to present the work to a panel of tutors and peers.

Year 2:

During this year you will consolidate your skills in preparation for the final year where theoretical views are tested. You will have the opportunity to develop your own design process and critical thinking skills, testing these skills within two projects of greater programmatic complexity and constraints. Reflective thinking skills will also be further developed through daily workbooks, begun in first year and in the design report.

During this level there will also be further integration of supplementary lecture subjects within the design studio focusing on Integrating technology in semester 1 and urban design in semester 2.

In semester 1 you will build on your construction knowledge by exploring traditional and new technologies, building services and advanced structure and apply them to the design of multi-storey or large span building. The Design Studio allows you to bring together your design prowess with aspects of technology in such a way as to enhance the form and function of your design.

In semester 2 You will build on experiences by exploring the issues of designing a building in the local urban context through architectural intervention projects. This will include the measurement, research, analysis, and representation of a local site. Through an informed understanding of context, you will propose innovative and thoughtful interventions to house public, convivial activities associated with the economic and physical opportunities of the local urban context. Theory and history will inform the understanding of the unique cultural context of the region. The special technical issues of building with existing buildings and their role in a sustainable city will be considered.

Year 3:

Through a two small design challenges and a major Design Studio project, you will explore the role of the architect in making architecture. Methods and precedents of practice in shaping the built environment will be focused on contemporary issues of architecture, responding to the social context of architectural practice. Sustainable design will feature heavily in this year and you will bring together your previously acquired knowledge of sustainability issues into a design project.

The third year will emphasise the relationship between theory and the design process and practice. It will enable you to define a position within contemporary architectural dialogue, which is personally relevant to you, and then test this theoretical and practical position within architectural form. You will also explore the materials and technologies available to designers seeking to design sustainably.

In addition to the design modules you will undertake a special study module requiring you to prepare a dissertation on a chosen topic. As well as preparing a report/case study on an aspect of professional practice in preparation for your year out.

General:

It should be noted that visits to exhibitions, tours of cities (at home and abroad) and field trips will be arranged to supplement your acquisition of knowledge and understanding of Architectural design.

At the end of each academic year there will be a briefing session on the content of the following year, so that

you may carry out preparatory research. This will be particularly directed at the special study dissertation at the end of Level 5.

## Assessment Methods:

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At the University of Wolverhampton, a variety of modes of assessment will be used to support and test your learning and progress and to help you develop capabilities that are valued beyond your University studies and into your working life. Your course may include a variety of assessment activities:

Written examinations (including online examinations, open and closed book examinations and quizzes)  
Coursework (for example, essays, reports, portfolios, project proposals and briefs, CVs, poster presentation)  
Practical (for example, oral and video presentations, laboratory work, performances, practical skills assessment)

In the final year of your undergraduate degree, and at the end of your postgraduate degree, you are likely to be expected to write an extended piece of work or research, such as a dissertation or a practice-based piece of research.

## Student Support:

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General University support:

University Learning Centres are the key source of academic information for students. Learning Centres provide physical library resources (books, journal, DVDs etc.) and offer a range of study areas to allow students to study in the environment that suit them best: Social areas, quiet and silent areas. Learning Centres also provide access to wide range of online information sources, including eBooks, e-Journals and subject databases.

Learning Centres also provide students with academic skills support via the Skills for Learning programme. Students on campus can attend workshops or ask for one-to-one help on a range of skills such as academic writing and referencing. Students can access a range of online skills material at: [www.wlv.ac.uk/lib/skills](http://www.wlv.ac.uk/lib/skills)  
The University Student Support website offers advice on a variety of matters (careers, counselling, student union advice, etc.) Students can also access these services by booking appointment with the SU, careers, counselling services, etc.

Course Specific Support

Within each of the modules you will develop academic study skills through completion of weekly tasks that will help you to develop your design abilities, understand how to research particular topics through the web and more traditional means and how to write in an academic and industry relevant style.

The University complements this by supporting your learning through the provision of generic study skills including communication and how to write academic assignments. In addition, there will be opportunities to develop your information seeking and information management skills. These may be in the form of seminars or workshops delivered by LIS staff and embedded into the curriculum or by following the programme of "InfoBite" workshops available in the Learning Centres.

From the very start of your course you will work with staff within the department and with your personal tutor to develop a Personal Development Plan (PDP) and this will provide you with a record and action plan of where you need to develop your skills in particular areas.

## Employability in the Curriculum:

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Successful completion of the Foundation Year allows progression onto ARB/RIBA Part 1 award honours degree, on completion, students will be able to commence post-work experience (with logbook) on to their Part 2 studies in Architecture.



