

## INCOMING EXCHANGE CLASS CODES (re Curriculum Selection): Session 23/24

This is a guide to assist you in choosing a provisional curriculum which you will have to submit as part of your exchange application process. **This is not a guarantee that these classes will be available during your time on exchange but we hope that most, if not all, will be running and will confirm your curriculum once you are here in the UK.**

### DESIGN STUDIO

#### For those students coming for 1<sup>st</sup> semester + 2<sup>nd</sup> semester – FULL YEAR (Sept-May)

Year	Studio Title	Code	Credits	ECTS
1	Design Studio 1A	AB106	20	10
	Design Studio 1B	AB107	20	10
	Design Studio 1C	AB108	20	10
	Design Studio 1D	AB109	20	10
2	Design Studio 2A	AB208	20	10
	Design Studio 2B	AB209	20	10
	Design Studio 2C	AB210	20	10
3	Design Studio 3A	AB317	20	10
	Design Studio 3B	AB318	40	20
4	Design Studio 4A.E	AB422	30	15
	Design Studio 4B.E	AB423	30	15
4	Design Studio 4A	AB418	20	10
4	Design Studio 4B	AB419	40	20
UD	Urban Design Studio 1A	AB931	10	5
	Urban Design Studio 1B	AB932	10	5
	Urban Design Studio 2	AB973	20	10
	Urban Design Studio 3	AB974	20	10
5	Design Studies 5A	AB964	20	10
	Design Studies 5B	AB965	40	20

#### For those students coming for 1<sup>st</sup> semester (Sept-Jan)

Year	Studio Title	Code	Credits	ECTS
1	Design Studio 1A	AB106	20	10
	Design Studio 1B	AB107	20	10
2	Design Studio 2A	AB208	20	10
	Design Studio 2B	AB209	20	10
3	Design Studio 3A	AB317	20	10
4	Design Studio 4A.E	AB422	30	15
4	Design Studio 4A	AB418	20	10
UD	Urban Design Studio 1A	AB931	10	5
	Urban Design Studio 1B	AB932	10	5
5	Design Studies 5A	AB964	20	10

#### For those students coming for 2<sup>nd</sup> semester (Jan-May)

Year	Studio Title	Code	Credits	ECTS
1	Design Studio 1C	AB108	20	10
	Design Studio 1D	AB109	20	10
2	Design Studio 2C	AB210	20	10
3	Design Studio 3B	AB318	40	20
4	Design Studio 4B.E	AB423	30	15
4	Design Studies 4B	AB419	40	20
UD	Urban Design Studio 2	AB973	20	10
	Urban Design Studio 3	AB974	20	10
5	Design Studies 5B	AB965	40	20

## **DESIGN STUDIO: YEAR LEADER CONTACT DETAILS**

Year 1: Andy Campbell ([a.s.campbell@strath.ac.uk](mailto:a.s.campbell@strath.ac.uk))  
Year 2: Jennifer McKerr ([j.mckerr@strath.ac.uk](mailto:j.mckerr@strath.ac.uk))  
Year 3: Peter Welsh ([peter.welsh@strath.ac.uk](mailto:peter.welsh@strath.ac.uk))  
Year 4: Will Gunn ([william.gunn@strath.ac.uk](mailto:william.gunn@strath.ac.uk))  
Year 5: Ulrike Enslein ([ulrike.enslein@strath.ac.uk](mailto:ulrike.enslein@strath.ac.uk))

Urban Design Studio: Sergio Porta ([sergio.porta@strath.ac.uk](mailto:sergio.porta@strath.ac.uk))

## SUBJECT CLASSES

### Cultural Studies

Contact: David Reat (david.reat@strath.ac.uk)

#### OVERVIEW:

The aim of the class is to equip students to analyse, discuss, and write about architecture of all periods. The course will familiarise students with the architecture which surrounds them, and with the development of Glasgow as a city. The importance of social, political and economic context in shaping architectural practice and urban development will be discussed. The theoretical underpinnings of architectural practice throughout history will be presented to students as an opportunity to enrich and interrogate their personal understanding of architecture and their own design work.

#### Year 1

The aim of the class is to introduce the student to a broad outline of the historical and cultural contexts of architecture. Both semesters offer an overview: specifically, of the history of Western Architecture. The course shall introduce students to ways of seeing and analysing historical architecture; from which students will be encouraged to develop confidence, in both observing and commenting, on architecture of all periods, expressing themselves clearly and accurately in spoken and written communications. Above all; it shall inculcate a research discipline and introduce methods of acquiring, reading, interpreting and synthesising historical and theoretical discourses on Architecture.

	Class Code	Credit	ECTS
For those students coming for Semester 1 <b>AND</b> Semester 2	AB 110	20	10
For those students coming for Semester 1 <b>ONLY</b>	22 137	10	5
For those students coming for Semester 2 <b>ONLY</b>	22 137	10	5

#### Year 2

Following on from the explorations into the history of the architecture of Western Europe in the First Year; the Second Year aims to establish both a broader, and simultaneously more specific, contextual background to architecture. It introduces students to some of the key issues, historical movements and events that shaped and structured today's built and cultural environment globally; and, in particular, the types of buildings that compose it. To start, in the first semester, we look explicitly at the architectural history of Scotland as a nation; and, in the second semester, we embark on a more expansive analytical journey into the architecture of the world at large, looking at each continental land mass and the evolution of the architecture therein.

	Class Code	Credit	ECTS
For those students coming for Semester 1 <b>AND</b> Semester 2	AB 211	20	10
For those students coming for Semester 1 <b>ONLY</b>	22 266	10	5
For those students coming for Semester 2 <b>ONLY</b>	22 267	10	5

#### Year 3

The general aim of the class is to focus the student into a more considered critical evaluation of cultural theory and architectural history, in particular within cities.

Continuing on directly from the Second Year course on global architectural culture and the building typologies that go together to construct the city; the first semester focuses on the history of Glasgow's architecture, with particular reference to the developments in urban housing in the city up to present day. The second semester explores the process of urban culture through story-telling, using images and text.

The course will familiarise students with the architecture which surrounds them, and with the development of Glasgow as a city. The importance of social, political and economic context in shaping architectural practice and urban development will be discussed throughout.

Engaging with Edward Soja's theory of 'Thirdspace' (and by association Henri Lefebvre's 'Lived Space'); the theoretical underpinnings of the city throughout history will be investigated by students, presenting an opportunity to enrich and interrogate their subjective understanding of architecture, the city, and their own personal engagement with both.

	Class Code	Credit	ECTS
For those students coming for Semester 1 <b>AND</b> Semester 2	AB 314	20	10
For those students coming for Semester 1 <b>ONLY</b>	22 373	10	5
For those students coming for Semester 2 <b>ONLY</b>	22 374	10	5

## Technology Studies

Contact: Lori McElroy (lori.mcelroy@strath.ac.uk)

### OVERVIEW:

Technology Studies is one of three compulsory classes taught to first, second and third year students in the under-graduate architectural programme in the Department and continues integrated into studio in the Part 2 programme.

The course covers all structural, constructional and materiality aspects of designing a building structure. It provides students with the ability to understand various types of building structures and construction theories and systems. Building elements such as beams, columns, walls and roof forms are explained, structural principles such as stress, strain, deflection, bending moments and shear forces are introduced and the behaviour of materials such as timber, masonry, steel and concrete are looked at from both a historical and present day standpoint. Simple design techniques in materials are discussed alongside load bearing capacities of various elements

It also includes every aspect of environmental design including the fundamentals of building physics such as heat transfer, light, ventilation and water services and a wide variety of environmental engineering knowledge including mechanical systems design, U values, SAP and NHER calcs, CO2 and energy consumption knowledge. Environmental and sustainable responsibility is encouraged and embraced from the outset, and specific strategic and calculable responses are investigated to ensuring an understanding of human comfort and well being, with a view towards a sustainable built environment.

A key agenda of the course is to develop holistic design skills, and the course integrates directly with the architecture design studio, to bring added value to the students learning. The structure, construction systems and environmental strategies and technologies have to be fully researched and applied appropriately into all the studio designs. This is vital in ensuring student understanding of the key role technology takes within the architecture design process.

The delivery of the course encompasses a variety of learning formats including lectures, seminars, workshops, studio design tutorials and study trips.

### Year 1

In first year, students are introduced to an elementary structural/construction and environmental vocabulary. The taught programme includes lectures, seminars and workshops that describe elementary structural and environmental principles. The properties and behaviour of the four main construction materials, the basics of framed and load-bearing construction and the fundamentals of sustainability, low carbon design and building physics are introduced.

	Class Code	Credit	ECTS
For those students coming for Semester 1 <b>AND</b> Semester 2	AB 111	20	10
For those students coming for Semester 1 <b>ONLY</b>	22 143	10	5
For those students coming for Semester 2 <b>ONLY</b>	22 144	10	5

### Year 2

In second year, students are expected to engage with technology at a more specific level by researching materials, construction and environmental systems as well as developing an integrated sense of the strategic implications of structure, construction and environment in the design process. They are introduced to dedicated issues of structure, detail, material choice as well as energy systems and basic building physics calculations. A developed knowledge of the four main structural materials is supplemented by the introduction of contemporary materials and an introduction to the important issue of environmental/sustainable design embedded within current legislation. The emphasis in second year is to encourage and enable students to integrate, through analysis and synthesis, all aspects of technological design into their studio design projects. The technology curriculum in 2nd year is supported by environmental and structural engineering technology workshops and tutorials.

	Class Code	Credit	ECTS
For those students coming for Semester 1 <b>AND</b> Semester 2	AB 212	20	10
For those students coming for Semester 1 <b>ONLY</b>	22 243	10	5
For those students coming for Semester 2 <b>ONLY</b>	22 244	10	5

### Year 3

In third year, students are expected to develop a cognitive ability to perceive the design process as completely holistic encompassing a wide variety of subject areas. The delivery of technology is therefore completely integrated into the studio design programme, with an expectation that the student can evidence an ability to apply and resolve construction detailing, environmental response and structural comprehension within a relatively complex architectural programme. The studio programme's technology component is therefore supported by case studies presented by practicing architects and engineers in lectures and seminars, as well as dedicated environmental and structural engineering technology workshops and tutorials. This class is delivered **ONLY** in Semester 1 of Year 3.

	Class Code	Credit	ECTS
For those students coming for Semester 1 <b>ONLY</b>	AB 316	20	10

**OPTION CLASSES (level 4)**

**Ecology, Sustainability and Built Environment**

Contact: [d.grierson@strath.ac.uk](mailto:d.grierson@strath.ac.uk)

The class aims to foster an awareness of both the historical and theoretical context of environmental sustainability and offer a critical examination of the way in which issues of sustainability relate to the built environment. The module blends online learning via the University's VLE with a series of group seminars.

Conditions: None

	Class Code	Credit	ECTS
Semester 1 ONLY	22 563	10	5

**Specialisms in Technology**

Contact: [lori.mcelroy@strath.ac.uk](mailto:lori.mcelroy@strath.ac.uk)

Students will be invited to select a specialism theme, as related to member of staff dedicated technology interest/research agenda. More details to follow.

Conditions: None

	Class Code	Credit	ECTS
Semester 2 ONLY	tbc	10	5

## OPTION CLASSES (level 5)

### **Sustainability**

Contact: [d.grierson@strath.ac.uk](mailto:d.grierson@strath.ac.uk)

This module aims to provide students with an understanding of the concepts of sustainability and sustainable development. The social, environmental, and economic impact of development strategies will be identified and the mitigation of negative impacts discussed. In particular, on completion of the module students will understand the concept of social, environmental and economic sustainability and be able to discuss population, urban, and economic growth strategies and their impacts.

Conditions: None

Semester 1 ONLY

Class Code	Credit	ECTS
AB 975	10	5

### **International Workshop**

Contact: [ulrike.enslein@strath.ac.uk](mailto:ulrike.enslein@strath.ac.uk)

Attendance at International Workshops allow the student to pursue areas of specific interest out-with the confines of the set curriculum and assist in developing awareness of cultural diversity and integration, attributes that are encouraged to enhance the development of the p/g student both architecturally and personally.

Conditions: Class can only be taken in conjunction with Year 5 Design Studio 5A

Semester 1 ONLY

Class Code	Credit	ECTS
AB 957	10	5

### **Urban Landscape Design**

Contact: [sergio.porta@strath.ac.uk](mailto:sergio.porta@strath.ac.uk)

This class aims at developing students' expertise in an area of their choice; in particular the field of study deals with GC4 (urban design), and the class equips the students with further knowledge on the delivery of socially sustainable solutions focussing on the interface between built and open space components of the urban environment and its relevance to the health and well-being of urban inhabitants. This class aims at both understanding major historic developments regarding the design of landscape in the urban context and enhancing the ability to develop appropriate design strategies for landscape elements in the city. In particular it will explore the importance of green space networks and their integration with streetscape as integral to the delivery of sustainable urban environments. Emphasis will be placed on the delivery of socially sustainable solutions focussing on the interface between built and open space components of the urban environment and its relevance to the health and wellbeing of urban inhabitants.

Conditions: Class might have limited intake numbers

Semester 2 ONLY

Class Code	Credit	ECTS
AB935	10	5

## Urban Theory

Contact: [ombretta.r.romice@strath.ac.uk](mailto:ombretta.r.romice@strath.ac.uk)

This class aims at developing students' expertise in an area of their choice; in particular the field of study deals with GC4 (urban design), and the class equips the students with further knowledge in the theoretical debate around urban form in relation to economic, environmental, cultural issues and social issues; the class discusses historic and contemporary issues, tracing the impact of urban theories on our cities and their hinterland, and the repercussions on life styles and sustainability. This class aims to enhance the critical understanding of the complex phenomenon of the city and the relation of urban design to the city in general by considering key theories in urban planning and design. Analysis includes formal, aesthetic, social, political, economic, technological and cultural aspects.

Conditions: Class might have limited to intake numbers. Class is only available to full year exchange students.

Semester 1 + 2	Class Code AB 939	Credit 10	ECTS 5
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## Urban Design History

Contact: [sergio.porta@strath.ac.uk](mailto:sergio.porta@strath.ac.uk)

This class aims at developing students' expertise in an area of their choice; in particular the field of study deals with GC4 (urban design), and the class equips the students with further knowledge in the understanding the historic development of urban forms and the possible use of historic experiences for future design. The specific design qualities of selected historic examples will be analysed, and the way in which historic circumstances - i.e. conditions like politics, economy, society, technology or culture – have shaped these specific forms will be researched.

Conditions: Class might have limited intake numbers.

Semester 1 ONLY	Class Code AB 936	Credit 10	ECTS 5
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## FACILITIES MANAGEMENT

Contact: [z.chen@strath.ac.uk](mailto:z.chen@strath.ac.uk)

This module aims to provide students from different backgrounds the opportunity to engage in useful learning into the subject field of Facilities Management (FM). It focuses on sophisticated principles and contemporary practices to form the body of advanced professional knowledge, i.e. Facilities Management Body of Knowledge (FMBOK), and has an international perspective. For students to develop professional knowledge and skills to tackle issues and challenges in the built environment, including buildings and infrastructures, this module has a unique structure of contents on three domains, including clients and professionals, service products, and management processes with regard to subject mastery and personal abilities; and has focus on the best practice and further research towards technical innovations and the continuous enhancement of professional competence in design, construction and operation for the dependable built environment. This module can help students to develop knowledge and skills for advanced architectural design with regard to the principles of facilities management.

Conditions: None

Semester 1 only	Class Code AB 995	Credit 10	ECTS 5
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## Advanced Construction Technologies

Contact: z.chen@strath.ac.uk

This module aims to provide students from different backgrounds the opportunity to engage in useful learning into the subject field of Advanced Construction Technologies (ACT). It focuses on several key issues in four related areas, including 1) ACT oriented innovative design, 2) the Review of ACT adoption, 3) the Feasibility study of ACT, and 4) ACT and Design/Construction management. For students to develop professional knowledge and skills to tackle issues and challenges in the built environment, including buildings and infrastructures, this module has a unique structure of contents in these four main sections with regard to subject mastery and personal abilities, and has focus on the best practice and further research towards technical innovations and the continuous enhancement of professional competence in design and construction for the dependable built environment. This module can help students to develop knowledge and skills for advanced architectural design with regard to the adoption and/or development of ACT.

Conditions: None

Semester 1 only	Class Code AB 998	Credit 10	ECTS 5
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## Building Information Management

Contact: b.kumar@strath.ac.uk

This module aims to provide students from different backgrounds the opportunity to engage in useful learning into the subject field of Building Information Management (BIM). It focuses on key issues in two related areas, including 1) BIM Documentation, and 2) Lifecycle BIM. For students to develop professional knowledge and skills to tackle issues and challenges in the built environment, including buildings and infrastructures, in the context of BIM techniques, this module has a unique structure of contents with regard to subject mastery and personal abilities, and has focus on the best practice and further research towards technical innovations and the continuous enhancement of professional competence in design, construction and operation for the dependable built environment. This module can help students to develop knowledge and skills for advanced architectural design with regard to the adoption of BIM.

Conditions: None

Semester 2 only	Class Code AB 991	Credit 10	ECTS 5
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## Theory of Conservation

Contact: c.gonzalez-longo@strath.ac.uk

The module aims to provide knowledge and understanding of conservation principles and ethics. This module will immerse the students into the history and theory of conservation, reviewing the main international and local schools of thought, understanding how they developed and relating them to practical realisations. The students will be introduced to the wider picture of conservation, including the evolution of planning conservation and the understanding of the issues of public interest and economics.

Conditions: Class is run as intensive workshop AB978 in weeks 1, 2 and 3 (Sem 1)

Semester 1 ONLY	Class Code AB 978	Credit 10	ECTS 5
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## Architecture and Construction History

Contact: [c.gonzalez-longo@strath.ac.uk](mailto:c.gonzalez-longo@strath.ac.uk)

This module aims to present architectural and construction history both as the wider context of the buildings and as tools for its analysis. The course will provide an alternative reading of architecture through the technical historical processes and culture that produced them. It will reflect on the complex array of context, conditions and their interaction during the historic development of buildings. Urban History will be also introduced within this module.

Conditions: Class is run as intensive workshop in weeks 9 and 10 (Sem 1)

Semester 1 only	Class Code AB 979	Credit 10	ECTS 5
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## Architecture + the City

Contact: [d.fletcher@strath.ac.uk](mailto:d.fletcher@strath.ac.uk)

Invisible Cities: This class is an exercise in urban comprehension, specifically the city of Glasgow, seen through the lens of creative writing and associated illustration.

Conditions: None

Semester 1 ONLY	Class Code tbc	Credit 10	ECTS 5
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