

# INTERNATIONAL SUMMER SCHOOL PROSPECTUS 2017

**WORLD  
CHANGERS  
WELCOME**

Ranked in the  
**top 1%**  
of universities  
in the world

**the fourth  
oldest**  
English-speaking  
university in the world

**1st**  
in Scotland for  
student satisfaction  
(National Student Survey 2015)

Established in  
**1451**

A member of the  
**Russell Group**  
of research-intensive  
UK universities

26,000 students  
from more than  
**140 countries**

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# MAKE YOUR SUMMER COUNT

Experience teaching from world-class academics. Gain experience and credits at a highly-ranking university. Explore a topic in depth. Focus on what you enjoy. Explore Scotland and meet people from across the globe. There are so many reasons to join us for the summer.

June 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 July 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 August 1 2 3 4 5 6 7 8 9 10 11

**19 June – 7 July (3 weeks)**

- Creative writing
- Curatorial practice and collections research
- Environment, change and the future
- International business
- Religion and spirituality in Scotland

**10 July – 28 July (3 weeks)**

- Academy for cultural and heritage skills

**18 July – 11 August (4 weeks)**

- Bioscience for global health

**19 June – 11 August (8 weeks)**

- International physics summer school
- Mathematics: linear algebra and differential equations

**12 June – 30 June (3 weeks)**

- Education in a globalised world

**10 July – 28 July (3 weeks)**

- Geology of Scotland

**19 June – 14 July (4 weeks)**

- Functional anatomy

**18 July – 11 August (4 weeks)**

- Essential genetics

**Tavon from Colorado, USA**  
 studied Environment, change and the future (Dumfries campus), and the Geology of Scotland (Glasgow campus)

@Tavon 

This is the first time I've travelled alone. I'm really thankful that I did it; being thrown into somewhere else has really helped me grow. What I'm going to take home is a change in perspective. The courses really changed my world view.  
**@UofGlasgow #HelloUofG**



# STUDENT LIFE

## Accommodation

Accommodation is included as part of your Summer School fee. You'll have your own room within a self-contained flat including a well-equipped kitchen and laundry facilities. Bedding and kitchenware are provided. Normally 4–5 other students will share the flat so you'll be well-placed to make new friends.

### Accommodation is available at:

- Kelvinhaugh Street
- Queen Margaret Residences
- Winton Drive

You can find full details of the facilities available at each of our residences online: [glasgow.ac.uk/accommodation](https://glasgow.ac.uk/accommodation)

### Further information:

**Tel:** +44 (0)141 330 4743

**Email:** [accom@glasgow.ac.uk](mailto:accom@glasgow.ac.uk)

## Sports facilities

Our recently renovated sports facilities provide two purpose-built exercise centres, activity halls, 25m heated swimming pool, squash courts, tennis courts and much more. You will pay a visitor's one-off charge if you wish to use these facilities during your stay.

Find out more:  
[glasgow.ac.uk/sport](https://glasgow.ac.uk/sport)

## Disability Service

The Disability Service can arrange support strategies for students, after an individual needs assessment interview.

Find out more:  
[glasgow.ac.uk/disability](https://glasgow.ac.uk/disability)

## Socialising on campus

### Student unions

There are two student unions on campus – Glasgow University Union and Queen Margaret Union. Both have libraries, cafeteria facilities, bars and shops and they regularly hold music events and other forms of entertainment.

### Gilchrist Postgraduate Club

The Gilchrist Postgraduate Club is a dedicated postgraduate space for you to socialise and study. At the weekends and during the summer the space is open to all.

Find out more:  
[glasgow.ac.uk/studentlife](https://glasgow.ac.uk/studentlife)

## Library

We have one of the best academic libraries in Europe. Open daily from 7.15am to 2.00am with online access 24/7, it offers 12 Wi-Fi enabled floors, 2.5 million books and journals and hundreds of PCs.

Find out more:  
[glasgow.ac.uk/library](https://glasgow.ac.uk/library)

## International Student Support

The University provides a welfare service to assist international students. Our International Student Advisers can help with the practical aspects of living and staying in Glasgow.

Find out more:  
[glasgow.ac.uk/international/support](https://glasgow.ac.uk/international/support)

## Health and wellbeing

We have a range of services on campus, from a medical centre located in the Fraser Building, to our Student Counselling & Psychological Service, which can offer confidential information or guidance for any personal and emotional problems.

Find out more:  
[glasgow.ac.uk/services/counselling](https://glasgow.ac.uk/services/counselling)

Savannah from Texas, USA  
studied Physics (Glasgow campus)

@Savannah 

I'm surprised how much I grew to love this city after being here for eight weeks. Definitely do it because it's a great experience that allows you to fulfill degree requirements in a new place.

[@UofGlasgow](https://twitter.com/UofGlasgow) [#HelloUofG](https://twitter.com/HelloUofG)

# YOUR GLASGOW, YOUR SCOTLAND

Glasgow is one of Europe's most exciting destinations. With the city as your base, you'll be in the ideal location to explore the length and breadth of beautiful Scotland.

## Shopping

Glasgow is consistently voted the top place to shop in the UK outside London. The city's huge retail centre has a 'Style Mile' that includes shops like Topshop, Nike and the Apple Store.

## Culture

There are more than 20 museums and art galleries to explore, with many offering free admission. A must-visit is the Riverside Museum, which has been voted European Museum of the Year.

## Entertainment

As the UK's first UNESCO City of Music, Glasgow hosts around 130 music events every week. The city also boasts a fantastic range of restaurants that reflects its diverse population, while film fans are well served by our seven cinemas.

## Parks

If you're looking to relax and escape the city buzz, you'll have plenty of options. With more than 90 parks and public gardens, Glasgow has more green space per head of population than any other European city.

## Neighbouring cities

Our location in the Central Belt makes it easy for you to explore Scotland's other cities. Check out the world's largest arts festival in Edinburgh, uncover Stirling's historic buildings and castle, or go hunting for the Loch Ness monster near Inverness.

## Events and festivals

There are footpaths, bike trails, hill climbs and mountain adventures to suit all levels of explorer. We're surrounded by beaches, offering opportunities for water sport activities, relaxing strolls and marine life spotting.

Our iconic Munros (mountains over 3,000 feet) have spectacular views, while Scotland's many coastal islands each have their own unique character, landscape and wildlife, so get out there among our scenic and remote habitats!

## Weekend excursions

As part of the Summer School, we run a lively social programme that includes planned weekend trips from Glasgow to other parts of Scotland.

This year, day trip locations may include Edinburgh, Fort Augustus and the atmospheric Loch Ness, or the Isle of Arran, which is often referred to as a 'miniature Scotland.' Trips and visits embedded in the course are included in the price.

Find out more:  
[peoplemakeglasgow.com](http://peoplemakeglasgow.com)  
[visitscotland.com](http://visitscotland.com)



Buchanan Street, part of Glasgow's Style Mile



Dunes on Luskentyre beach on the Isle of Harris, Outer Hebrides



The West End Festival, Glasgow's largest community cultural event, takes place in June



Feeling on top of the world on Ben A'an, in the Scottish Trossachs

Glasgow has been named a must-visit destination (Source: National Geographic)

# OUR COURSES

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Ivy from Los Angeles, USA  
studied Physics (Glasgow campus)

@Ivy 

I was able to learn so much in so little time, while also exploring Scotland and the UK. Definitely do it. It's so worth it - one of my best uni experiences.  
[@UofGlasgow](#) [#HelloUofG](#)

## Academy for cultural and heritage skills

10 July – 28 July 2017

If you work in the museums and cultural sector, our academy for cultural and heritage skills has been designed to support your professional development. The academy is a partnership between The Hunterian – one of the largest university museums in the world – and Glasgow's Adam Smith Business School, which is at the forefront of research in international finance, international economics and macroeconomics.

Our summer school acts as a taster for our fully accredited programme. The electives and modules focus on professional skills, including enterprise and business growth and leading and managing change and delivering sustainable cultural heritage. Such skillsets are rapidly emerging as critical for the strategic development, resilience and sustainability of museums and other cultural heritage institutions. You can expect a structured series of seminars by experienced museum and business professionals.

We will be operating in our newly created, state-of-the-art Hunterian Collections Study Centre, where you will have access to the dedicated student reading room. The Centre is the most extensive collections research and learning facility in the university museum world, offering access to collections spanning arts, humanities, natural, physical and medical sciences under one roof.

### Field trips

There will be museum and collections visits around Glasgow and Edinburgh, where you can speak to directors and senior management teams in civic and national cultural institutions.

During these visits, you can identify an operational or strategic aspect of a Scottish museum or heritage organisation for study as a mini-consultancy exercise to be undertaken in week three.

### Why Glasgow?

The course is a unique collaboration between a leading university museum and business school, drawing on accredited postgraduate programmes.

We believe that our purpose-designed conference and seminar suite at Kelvin Hall, together with dedicated student study space, provides the best possible environment for your learning.

### Assessment

A 1,500-word assignment: a reflective learning report across the two main taught themes of the summer school, combined with a consultancy report in week three.

### Entry requirements

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 3.0

### Credits

The course is 100 hours and equals 20 credits.

## Bioscience for global health

18 July – 11 August 2017

This summer school is designed to help you to develop an understanding of recent advances in the field of bioscience and the impact of bioscience on global health. You will learn practical laboratory skills, data interpretation and analysis techniques in key biological research themes including cancer biology and stem cell research. You will also gain experience of other research skills, such as giving presentations and carrying out literature reviews. The course particularly complements the functional anatomy course available during block one – you may wish to consider taking them both.

Through lectures, tutorials, group work projects and practical laboratory work, you will develop an understanding of current research in Scottish bioscience, with an emphasis on

- cancer biology – primary research, detection and emerging treatments
- infection biology – virology, parasitology and bacteriology
- stem cell research
- cardiovascular disease and fitness.

### Why Glasgow?

Glasgow's beautiful campus is home to research laboratories carrying out cutting-edge research in important and advancing fields such as oncology, parasitology, virology, cardiovascular and stem cell research. Our classes are led by faculty members with years of research expertise and knowledge in their fields.

You can gain hands-on experience of laboratory techniques and will be given guidance on important research skills, such as giving presentations and reviewing relevant literature.

You can further benefit from guest lectures given by leading scientists based at the University, as well as the possibility of field trips to cutting-edge research facilities.

### Assessment

Assessment will take the form of a series of take-home assignments, presentations and closed book quizzes with a final assessment of course content at the end of the four-week course.

### Entry requirements

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 3.0

### Credits

The course equals 15 UK (SCOTCAT) credits.

## Creative writing

19 June – 7 July 2017

This course will include lectures and seminars led by some of the most exciting writers publishing and performing in Scotland. Through workshops and one-to-one tutorials you will receive detailed feedback on your work. Sessions on writing techniques will give you a strong grounding in the craft of writing. It's a great course for creating a portfolio for MA or MFA programmes, and excellent continuing professional development for teachers interested in inspiring students through reading and writing.

You can expect masterclasses by writers active in the literary scene through publication or performance, and talks by industry professionals involved in editing, publishing or agenting. These speakers will discuss writing and sending your work out into the world. We also invite key people from the literary and publishing industry to give you information on what they're looking for in the work they publish and represent.

## Curatorial practice and collections research

19 June – 7 July 2017

In 2016, the University is opening its Hunterian Study Centre for collections research and curatorial training at the Kelvin Hall in Glasgow. The Centre will operate in new purpose-designed collections search rooms, research, conservation and digital laboratories, and have access to new conference and seminar suite facilities.

This summer school offers taster sessions based on content from the Kelvin Hall portfolio of 12 Masters programmes in collections research and curatorial training. The purpose-designed curriculum is ideally suited to the student thinking of applying for acceptance on to one of these programmes, or for Masters or doctoral students wishing to enrich their knowledge of collections research and curatorial practice. Seminars will be delivered by a team of University scholars and museum professionals.

### Field trips

There is a weekly trip to literary and cultural hubs like Little Sparta, the Scottish Poetry Library and the Writer's Museum, Abbotsford (the home of Sir Walter Scott), Moniack Mhor (Scotland's writing centre in the highlands) and Burns' country.

### Why Glasgow?

Scotland is the home of many literary greats, from Edwin Morgan, Liz Lochhead and Alasdair Gray, to James Kelman and JK Rowling and Val McDermid. Glasgow has an active arts scene with a vibrant community of writers, performance poets, artists, musicians, filmmakers and theatre makers.

At the University, we foreground practice as research, close reading as a writer, and collaborative processes – which means that the course is about you and the skills you need to improve your writing.

You will learn in the Hunterian Collections Study Centre and classes will have direct access to objects and specimens. Object handling instruction will be provided by Hunterian Collections Management staff. Students will have access to the dedicated student reading room in the Hunterian Collections Study Centre, as well as the University Library.

### Field trips

You will visit museums and collections and have the opportunity to interact with museum staff in the city of Glasgow, one of the richest civic museum offers in the UK, and in Edinburgh, with its diverse national collections.

### Why Glasgow?

The Hunterian Collections Study Centre at Kelvin Hall is the most extensive collections research and learning facility in the university museum world. It offers access to collections spanning arts, humanities, natural, physical and medical sciences under one roof.

### Assessment

- Final creative submission 80% (word count: 3,000)
- Reflective piece on your writing 20% (800 words)

Word counts are prose; equivalences for poetry and hybrid forms to be agreed with tutor.

### Entry requirements

You should meet the following criteria:

- A normal core degree
- If your first language is not English, we require a minimum IELTS score of 7.0
- You should have a GPA of 3.5
- You should provide us with a paragraph about what you want to write and why you want to write

### Credits

The course is 150 hours and equals 15 credits. Generally, our 15-credit courses are awarded 3 credits in the US system and 7.5 ECTS in the European system, but we recommend that you check with your institution how much credit you will be awarded.

Established in 1807, The Hunterian is one of the oldest museums in the world and a leading centre for the study of the history of material knowledge. The purpose-designed research and teaching rooms at Kelvin Hall provide the best possible environment for the hands-on collections learning experience.

### Assessment

A 1,500-word assignment reflecting on the main taught themes of the Summer School, which will reference a learning record and related evidence.

### Entry requirements

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 3.0

### Credits

The course is 50 hours and equals 20 credits.

## Education in a globalised world: comparing systems internationally

12 June – 30 June 2017

Many economists believe there is a significant link between education and national economic success. In this course you will have the opportunity to look at the importance of education in a global context as you find out more about the cultural and technological pressures on educational systems and what teachers need to know and be able to do to teach in local contexts.

The course is defined by its focus on the observation of education in action, with students visiting a selection of local schools to observe teaching in Scotland first-hand.

The observation will be complemented by focused input from the University of Glasgow's expert academic staff.

Alongside the experiential learning, the course will engage you in a range of important background topics in education, including the purposes of education, comparing education systems and practices internationally, inclusive pedagogy, global citizenship and literacy across the curriculum, all set against the innovative policies and practices the University of Glasgow's highly ranked teacher education programmes.

### Why Glasgow?

Education at the University of Glasgow was ranked 2nd in the UK for the second year running in the most recent Complete University Guide (2016).

all major regions of the body, the course will allow experienced students to review material, and tailor the experience to their level. The open-plan dissection labs facilitate flexible learning and immersion to a level appropriate to you. You will be able to view and handle professionally dissected specimens and perform dissections on persons donated to the University of Glasgow for this purpose.

This course is acutely focused on student performance. It features regular assessment with ample opportunity for feedback and development. All examination questions will be in USMLE format.

### Why Glasgow?

The University is proud to house the Hunterian Anatomy Museum, a world famous collection of anatomical specimens prepared by William Hunter and colleagues in the 18th century (and onwards).

The Hunterian Anatomy Museum also houses specimens from previous Regius Professors of Anatomy, and an excellent collection of plastinated specimens prepared by recent and current staff of the Laboratory of Human Anatomy.

The School of Education has a unique blend of world-leading research and research-based, research-led practice. Students on this course will have direct access to teachers in Scottish schools.

### Entry requirements

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 3.0

### Credits

The course equals 15 credits.

This exceptional resource is available for use during normal business hours. Its use as an ideal study environment is strongly advised! It may also be the location for additional seminars, receptions and other events throughout the course.

### Entry requirements

The level of the course is suitable for students with no anatomy background, but is fast paced and is best suited to those with at least a strong biology background.

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 3.0

### Credits

The course equals 15 credits.

## Environment, change and the future: the Scottish experience

19 June – 7 July 2017

Creative, experiential and transformative, this interdisciplinary course invites you to make connections between the history of the Scottish Lowlands, global challenges of environmental change, and our longings for a better future.

You will be based at the University's School of Interdisciplinary Studies at the Dumfries Campus, which is surrounded by some of Scotland's most beautiful and culturally rich countryside. Drawing on your own experiences and first-hand responses to the phenomena you encounter in lectures, workshops and field trips, you will encounter questions on the underlying assumptions we make about humanity's relation with the natural environment within an overarching ethos of modernity.

During the 18th and 19th centuries, Scotland was the most rapidly modernising country in Europe. Its huge transformations in land use, buildings, politics, philosophy and culture paved the way for industrialism's impacts on the planet and the human condition.

In this course you will explore topics from philosophy to tourism in a spirit of freedom and adventure. We encourage you to think expansively and creatively through sessions and field trips in which you are introduced to works of literature and art (including the large-scale Land Art of internationally famous residents of the Region: Charles Jencks and Andy Goldsworthy).

### Field trips

We visit sites of historical, archaeological, geographical, political, and cultural interest. In 2016 we visited the 6,000-year-old Cairnholly, St Ninian's Cave and the extensively restored 18th-century Dumfries House and estate.

Other sites include the New Lanark World Heritage Site and the cities of Glasgow and Edinburgh. Field trips serve to illustrate the magnitude and implications of change to both the built and natural environments as we explore the foundational ideas and creative writing of Scotland's most illustrious thinkers and writers, including Hume, Smith, Burns, Carlyle, and Robert Owen.

### About the Dumfries Campus

This course takes place at the University of Glasgow's campus in Dumfries, within the relaxing surroundings of the University of Glasgow's School of Interdisciplinary Studies.

### The University town of Dumfries

Less than two hours south of Glasgow, Dumfries is a friendly university town and is the historic home to Robert Burns, Thomas Carlyle and JM Barrie. Dumfries Campus is set in 85 acres of leafy parkland with stunning views to the Solway estuary and hills, and it is within easy reach of the town centre.

Unspoilt and spectacular, the countryside around Dumfries is a paradise for outdoor sports enthusiasts and lovers of the countryside and wildlife.

### Learning resources

You can access an excellent range of resources, including the Crichton Library, the University of Glasgow library and libraries at the University of the West of Scotland.

### Housing

All residences offer modern, self-catering accommodation made up of spacious single, en-suite study bedrooms with Wi-Fi internet.

### Student services

Our Student Services team is here to support you, both before and during your studies.

Email: [studentservices-dumfries@uws.ac.uk](mailto:studentservices-dumfries@uws.ac.uk)

### Travel information for Dumfries

Dumfries has direct rail links to Glasgow and Carlisle. From these stations you can access routes across the rest of the UK.

The journey time from Glasgow to Dumfries is less than two hours. The journey time from London to Dumfries is less than five hours.

### Assessment

Three short assignments (one essay and two short assignments as part of a mini-conference).

### Entry requirements

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 3.0

### Credits

The course equals 15 credits.



## Essential genetics

18 July – 11 August 2017

Who are you? Do you know why you have the eye colour you do? In humans, which has evolved more quickly – the brain or sperm? Are you fascinated by genetics? From Mendel's Peas to the sequencing of the Human Genome, explore how this field of biological science has led to the discovery of the genes that make us unique, as well as those that cause devastating diseases.

This course aims to describe the structure, organization and replication of DNA, present the properties of genes and their inheritance, and discuss the nature of mutations, genetic variation and gene mapping.

You will also learn about the nature of the genome projects and their applications, discuss the nature of human genetic disease – especially diagnostics and treatments – and reflect on the ethical implications of advances in genetics.

We provide training in the analysis of sequence data and patterns of inheritance, and enable you to appreciate the role of genetics in the study of many fields of biology.

### Why Glasgow?

You will be coming to an institution whose alumni include

- James Renwick, who pioneered the use of genetic markers to map disease genes on human chromosomes
- Malcolm Ferguson-Smith, who was one of the first geneticists to provide a diagnostic and counselling service to patients with genetic conditions.

An active cohort of University research groups continue to advance our understanding of gene inheritance and function today.

The course will be a mixture of lectures, problem based learning, discussion sessions and self-directed learning. You will benefit from a high staff to student ratio and instructors who are happy to answer questions.

### Assessment

The course will be assessed through a series of take-home exercises, closed book quizzes and a final, overall assessment of analysis skills and comprehension of the course content conducted at the end of the course.

### Entry requirements

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 3.0

### Credits

The course equals 15 credits.

## The geology of Scotland

10 July – 28 July 2017

The rocks and landscape of Scotland have inspired generations of scientists, leading to the development of geology as a field of enquiry. This course will bring you up-to-date with the most modern geosciences research techniques, as well as taking you to see some of the key sites that influenced figures such as Hutton, Agassiz and Lyell.

You will gain an understanding of the geological history of Scotland including the impacts of Quaternary glaciation, insight into the techniques used by geoscientists to date and research rocks, and skills in field mapping and analysis.

Most classes will take place in the field, including visits to a major terrane boundary, the first unconformities described by James Hutton, spectacular igneous,

metamorphic and sedimentary rocks, and our unique reproduction on the campus of typical Scottish geology: 'Rock around the University'.

This course will provide geology students with hands-on experience to supplement their knowledge of different geological settings.

### Field trips

Usually based in Glasgow and the surrounding area, you will also experience three fieldwork days visiting the Highlands and the east coast of Scotland. Visits to renowned museums and the unique laboratories of the Scottish Universities Environmental Research Centre are also included.

### Why Glasgow?

Teaching is led by researchers who have expertise in the latest geological techniques and analytical methods, as well as having many years of experience of Scottish geology.

You will find this course an excellent supplement to a degree in geology, earth science or physical geography, and will gain invaluable experience and knowledge to take into postgraduate education or the job market.

### Assessment

Exercises in the field (rock descriptions, sedimentary logs, field sketches, geological maps, cross-sections); exercises in the laboratory (numerical models, digital maps and a physical model); a geological report.

### Entry requirements

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 3.0

### Credits

The course equals 20 credits.

## International business

19 June – 7 July 2017

This course examines the development of international business from a historical perspective, looking at the determinants of foreign direct investment (FDI), as well as at the impact of economic crises on foreign investment and international business.

The course aims to

- provide an introduction to the key issues and themes surrounding the development of international business
- outline the specific historical and economic context in which international business has developed
- explore the different practices of FDI, seen as outward and inward, as initiated by large and small enterprises, and as supported by economic policy and economic development agencies
- assess cases of FDI practices among organisations based in Glasgow
- explore the effects of economic crises on FDI.

Key themes include introducing the activities and practices of foreign direct investment as a specific instance of international business. We will assess foreign direct investment from a number of perspectives; of large and small companies undertaking both outward and inward foreign direct investment, of policy agencies supporting outward and inward foreign direct investment, and from a macro perspective of the consequence of different patterns of foreign direct investment, as these impact upon economic growth and development.

We will draw upon a number of companies and agencies located in Glasgow to provide insights into business and policy practices, and to provide a testing ground for the theories and concepts introduced in the course.

### Why Glasgow?

International business and enterprise is a high profile specialism, which colleagues research and teach at the University's Adam Smith Business School. We cover this subject from the perspectives of policy, large organisations, small businesses, and finance.

We have long-established relationships with a range of practitioners in the subject, with Glasgow's economic development being founded upon outward and inward foreign direct investment among large and small enterprises, and supported in policy and among economic development agencies.

### Assessment

Assessment is by a 3,500-word essay.

### Entry requirements

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 3.0

### Credits

The course equals 15 credits.

## International physics summer school

19 June – 11 August 2017

This calculus-based introductory level course consists of two consecutive 15-credit, 4-week modules, with a laboratory component. It is an intensive course that introduces fundamental concepts of physics in the areas of

- dynamics and relativity, waves and sound, thermal dynamics (Module 1)
- geometrical & wave optics, electromagnetism and quantum phenomena (Module 2).

We use a student-centered learning design and employ a flexible approach. The focus is on small tutor-lead groups. You will be expected to complete pre-session readings and online assignments, and to participate in class discussions as well as contribute in group learning activities. There are regular tests and exercises which provide feedback.

Our aim is to give you a good basic understanding of the main physics topics and to introduce you to methods of experimental physics. As a result, the course will provide a good foundation of basic physics for aspiring physicists as well as being applicable to other areas of science and technology.

### Why Glasgow?

If you want to learn Level 1 physics well and are prepared to invest your time and effort, this is the course for you. We employ a 'flipped classroom' learning design, with a high staff-to-student ratio and high number of contact hours. You will be working in small groups, each with a dedicated tutor. Instructors and tutors are on hand to help and answer your questions.

### Assessment

The final exam for each the modules accounts for 60% of the final grade with the other 40% being continuous assessment, including laboratory work.

### Entry requirements

Competence in basic calculus as well as algebra, geometry and trigonometry is essential. The maths skill test is indicative of the level required.

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 2.8 in physics and have completed two sequential courses of single-variable calculus with a minimum grade of C.

### Credits

The course is 138 hours and equals 30 credits.

## Mathematics

19 June – 11 August 2017

This is a triptych of courses to be taken together:

- linear algebra
- differential equations
- Scotland, the city of Glasgow and the origins of the modern world.

The central topics of the linear algebra course are: the basic theory of vector spaces; and the concept of a linear transformation, with emphasis on the use of matrices to represent linear maps. Eigenvalues and eigenvectors are also defined and studied so that the process of diagonalising a square matrix can be discussed.

The differential equations course introduces general theory and methods for solutions covering; first and second order differential equations, separation of variables, linear differential equations, systems of first order equations, nonlinear differential equations and stability.

In addition, you will examine the history, politics, culture and socio-economic development of Scotland. The ideas of philosophers and cultural figures living in Scotland during the Scottish Enlightenment shaped the modern world, contributing to inventions including the modern steam engine, television, the telephone, penicillin, radar, and electromagnetism.

### Field trips

You will be introduced to Glasgow and some of its key cultural sites, as well as Stirling Castle and the Wallace Monument; Robert Burns Museum and Heritage Park and Culzean Castle. You will also go to the Scottish Parliament and Edinburgh, as well as the New Lanark UNESCO World Heritage Site.

### Why Glasgow?

This is an opportunity to learn in a 'flipped' classroom where the focus is on your understanding. We use traditional and computerised assessment methods in conjunction with pre-session readings to provide regular feedback and empower you to gauge your progress and to customise the course to your needs.

### Assessment

Assessment for the mathematics courses is based on: course engagement (10%), per-class e-assessed assignments (20%), per-week handwritten and communicated exercises (20%), and a 90-minute written examination (50%).

Assessment for the final part of the course is by way of 1,500-word written report (75%), and participation in a group presentation (25%).

### Entry requirements

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 3.0

### Credits

The course equals 30 credits.

## Religion and spirituality in Scotland

19 June – 7 July 2017

Scotland has a long and deep spiritual heritage. Our spiritual and religious traditions have shaped Scotland's cultural norms, defined individual and corporate identities, and influenced the nation's legal and political institutions. Due to its fundamental role in forging Scottish culture, religion continues to affect the nation on a day-to-day basis. But more than this, Scottish religious traditions have been exported to almost every corner of the globe, while some of the world's great religions have found their own distinct Scottish expressions.

This course explores the religious traditions and spirituality of Scotland as evidenced from prehistoric archaeology, the sacred sites and art of Celtic Scotland, the rich monastic and spiritual legacies of medieval Catholicism, Scotland's rigorous and socially transformative Reformation,

Scottish expressions of the world's great religions, and the internationally recognised influences of the Iona and Findhorn Communities.

While the religious expressions have changed, spirituality has played a prominent part in shaping Scotland and its people. Even as Scotland experiences the forces of secularisation, its religious diversity becomes ever more diverse. Come and explore our spiritual heritage and learn about its new and innovative expressions.

### Field trips

The course includes a visit to the Isle of Iona, often described as "The Cradle of Christianity."

### Why Glasgow?

Religious history has been taught at Glasgow since the University's foundation in 1451. Our academics have a rich knowledge of archaeology, art history, history, Scottish literature and theology.

Glasgow hosts a number of important sites, including its 12th century Cathedral, Govan Old Parish Church, as well as Scotland's largest mosque, two grand gudwara and historically important synagogues.

### Assessment

Assessment will be by a 3,500-word essay.

### Entry requirements

You should meet the following criteria:

- If your first language is not English, we require a minimum IELTS score of 6.0 (we also accept Cambridge Certificate of Proficiency in English [CAE] and Pearson Test of English [PTE], Academic test)
- You should have a GPA of at least 3.0

### Credits

The course equals 15 credits.

# HOW TO APPLY

Apply online: [glasgow.ac.uk/iss](http://glasgow.ac.uk/iss)

Please note - you need to submit an application for each course you wish to be considered for. Remember to upload your supporting documents (see below).

### Supporting documents

- Upload your transcript(s) to date so that we can ensure you meet the course pre-requisites.
- If your first language is not English, you must upload a secure English test before you can receive an unconditional offer of a place, but you don't need it to apply initially.
- We also need a copy of the passport you will use to travel to the UK. If you don't have one when you apply, you can upload it later in the process.

### Accepting your offer

You can accept your offer online via Applicant Self Service. You must make a £400 deposit before 30 April 2017 to confirm your place.

### Deadline for applications

Apply between 1 October 2016 and 20 April 2017. If you miss the deadline, please contact us.

### Visa requirements

You need a Student Visitor's visa. Once you have accepted your unconditional offer of a place and paid your deposit, we will issue a visa letter to you, to enable you to apply for your visa.

The Summer School is a short-term programme so a full Tier 4 Student visa is not normally required, but please check the UKVI website for additional information on visas to the UK.

### Fees

For up-to-date fees: [glasgow.ac.uk/iss](http://glasgow.ac.uk/iss)

### Contact us

Email: [rio-internationalsummerschools@glasgow.ac.uk](mailto:rio-internationalsummerschools@glasgow.ac.uk)  
Tel: +44 (0)141 330 8743

[glasgow.ac.uk/iss](http://glasgow.ac.uk/iss)



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## WHO WILL YOU BECOME?