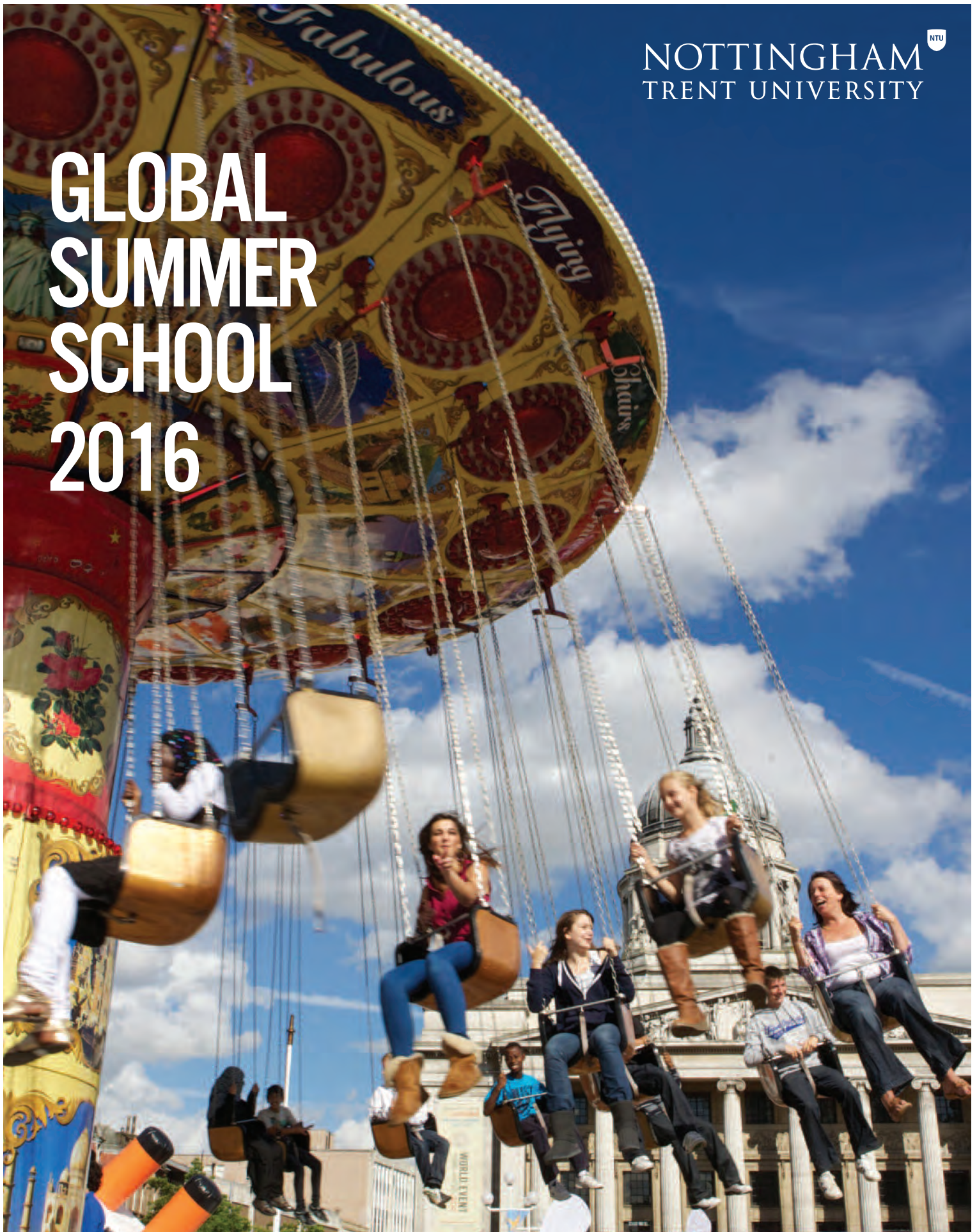


# GLOBAL SUMMER SCHOOL 2016



# WELCOME



I am proud to announce the first annual Nottingham Trent University Global Summer School. We have combined our past summer offerings with a newly developed structure, offering a broad range of topics for students to study. From Architecture, to Art and Design, Business and Law, to Bioscience, Journalism, Heritage Studies and Creative Writing – we have a great variety of courses, suited to both international and UK-based students, who want to utilise their summer to immerse themselves in a new environment alongside people from a diverse mix of backgrounds and cultures.

Nottingham is the ideal location for your summer; we have a wide selection of music, art, sport, comedy and theatre, and a rich social history. You'll also enjoy plenty of exciting student-friendly nightlife and meet new people. Nottingham is also named as a designated UNESCO City of Literature, due to its rich literary history and diverse writing community.

We are perfectly located in the heart of England - with London, the coast and the UK's major attractions all within easy reach.

We provide students with a fantastic educational experience, in a region made famous by its historic castles, lively culture and beautiful countryside. Our Global Summer School will allow you to meet like-minded people from all over the world, connecting on a global level, here in Nottingham.

I hope you find this brochure useful as you start to create your own personalised summer school experience here, at Nottingham Trent University.

Professor Nigel Healey

Pro-Vice Chancellor (International)

# WHY CHOOSE OUR GLOBAL SUMMER SCHOOL

Attending our global summer school will introduce you to new knowledge, diversify your perspective and develop your practical applications within your chosen subject/field. You will be able to expand your knowledge across disciplines, creating a custom experience specific to your interests. Our academic staff are experts in their fields, boasting extensive experience in industry and research. Our pioneering teaching methods and award-winning staff and leading research have enabled us to create a distinctive and innovative summer school that we hope you will find both enjoyable and rewarding.

## BENEFITS OF ATTENDING OUR GLOBAL SUMMER SCHOOL

You will:

- gain UK degree-level credit which you may be able to apply to your degree back home;
- improve your grades by increasing your knowledge in and around your chosen subject area;
- immerse yourself in a new culture, and meet people from around the world;
- experience a new learning environment and new ways of working;
- improve and enhance your English language skills;
- add valuable experiences to your CV;
- study on intensive but flexible courses which let you determine what you study and how long for;
- have the chance to participate in a dedicated programme of social activities and cultural events; and
- see what the UK has to offer by studying in one of the best student cities in the UK!

## ANY QUESTIONS?

[www.ntu.ac.uk/globalsummer](http://www.ntu.ac.uk/globalsummer)

Email: [GlobalSummer@ntu.ac.uk](mailto:GlobalSummer@ntu.ac.uk)

Tel: +44 (0)115 848 2808

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# CREATING YOUR GLOBAL SUMMER SCHOOL EXPERIENCE



Our Global Summer School is structured to allow you to determine your own programme of study, both in terms of duration and focus. Choose your summer school courses to reflect your academic and personal interests and view the timetable to ensure your selection does not occur at the same time.

Visit [www.ntu.ac.uk/globalsummer](http://www.ntu.ac.uk/globalsummer) to find out further course details and check availability. Places are limited, so book your place early to avoid disappointment.



## GLOBAL SUMMER SCHOOL TIMETABLE

Choose your course(s) from the lists below and create your own personalised summer school experience.

	Week 1 4 – 8 July 2016	Weekend social activities and new arrivals welcome orientation weekend	Week 2 11 – 15 July 2016	Weekend social activities and new arrivals welcome orientation weekend	Week 3 18 – 22 July 2016	Weekend social activities and new arrivals welcome orientation weekend	Week 4 25 – 29 July 2016			
New arrivals welcome and orientation	Beautiful Little Buildings: Architectural Model Making		Architecture and Heritage		Architecture, Drawing and the City		Architecture and the Edit			
			3D Animation Summer School							
			Fashion Knitwear Summer School							
	Photography and Architecture		Photography and the Alchemy of the Darkroom				Fashion Photography		Photography and the Artists' Book	
	Creative Writing		Museums, Heritage and Exhibitions							
	Radio Journalism		Magazine Journalism				Sports Journalism		TV Presenting Skills	
			Design Thinking Summer School							
			Greenhouse Gas Reduction in Business Consultancy Project					Sustainability in Practice Certificate		
							Introduction to English Law		European Law	
	Introduction to Education and Training Principles and Practices		Introduction to Sociological Explorations in Education				Learning in Nature: Introduction to Forest School Principles			
English Language			English Language							
Techniques in Molecular Biology	Robot Control with Mobile Apps		Adventures in Chemistry and Forensic Science		Practical Experiences in Sport and Exercise Science					
	Applying Psychology to Your Community		Criminal Justice System in the UK		Statistics with R					

### NTU credits

For information on the number of NTU credits per course visit:  
[www.ntu.ac.uk/globalsummer](http://www.ntu.ac.uk/globalsummer)

# NOTTINGHAM

## THE STUDENT EXPERIENCE



Nottingham is one of the UK's largest cities and is renowned for being popular with students. The centre is surprisingly compact and boasts familiar high-street shops and independent designer boutiques as well as pubs, clubs and cafés for every taste. With spacious pedestrian areas, an eclectic mix of old and new buildings, a sleek new market square and a very handy tram system, Nottingham has everything you could need.

## THE CITY

On our doorstep are Lord Byron's home at Newstead Abbey and the historic Wollaton Hall and Deer Park. There are tours of our city's darker past, as well as the 700-year-old tales of Robin Hood and Sherwood Forest.

Within walking distance of our City site are Nottingham Castle and Art Gallery, the Theatre Royal and Playhouse, the Galleries of Justice, the independent Broadway Cinema and the Brewhouse Yard Museum of Nottingham Life. Here are just some of the great reasons to come to Nottingham this summer:

- We are famous for our music scene. Check out who's playing at this year's Splendour Festival.
- If you prefer something on a smaller scale, there is the annual Waterfront Festival, hosting local bands and performers.
- Regular weekend events will help you sample the best in local food and drink in the Old Market Square.
- Top DJs will be playing every weekend at Stealth, one of the best clubs in the UK, or you can see a band at the city's world-famous Rock City.
- Drop in to Lee Rosy's teashop for films, special events and something a bit more chilled.

For more information, visit:  
[www.ntu.ac.uk/nottingham](http://www.ntu.ac.uk/nottingham)

## OUR LOCATION

We have the ideal location. Nottingham is right in the middle of England with excellent rail, coach and air transport networks to other cities in the UK and throughout Europe.

**For example, you can go by train from Nottingham to:**

- London in two hours;
- Edinburgh in five hours;
- Manchester in two hours; and
- Birmingham in one hour.

**For example, you can fly from Nottingham to:**

- Amsterdam in one and a half hours;
- Paris in one and a half hours;
- Berlin in two hours; and
- Milan in two and a half hours.



Rock City



Ye Olde Trip to Jerusalem



Trent Bridge



Theatre Royal



# GLOBAL SUMMER SCHOOL COURSES

## ARCHITECTURE, DESIGN AND THE BUILT ENVIRONMENT

### ARCHITECTURE AND HERITAGE

**Duration:** One week

**Credits:** 5

**Campus:** City site and excursions

**Course:** This course gives you the opportunity to explore some of the rich and varied history of architecture in England. You will immerse yourself in the buildings, design and construction methods and consider the role of the professional within the practice of architectural conservation.

Nottingham and the surrounding area contain unique examples of architecture from the past 1,000 years. The city is surrounded by countryside, farmsteads, villages, churches and castles that represent some of England's best examples of building and town planning. Think Robin Hood and Sherwood Forest, add the Civil War and the Industrial Revolution, and you have the ideal place in the heart of England to learn about the history of architecture and its social context.

The course will open with an orientation to Nottingham to help you appreciate the city's social and architectural history. Stately homes, vernacular and ecclesiastical buildings will be visited in Nottingham and the surrounding areas to provide an overview and understanding of the development of the built environment in England, and particularly that of the East Midlands. All of these visits will be supported by an interactive lecture programme, and potentially the opportunity to visit work in progress on a historic building.

As part of the course you will develop a personal project as well as keep a visual notebook recording the city and the places you visit. You will be exploring how historic buildings continue to be used today, and how as designers, we must be sensitive to their unique architectural, cultural and historic interest. To demonstrate your understanding, you will create a written report, visual presentation or a sketch model that explores an intervention to one of the buildings you have visited, providing a new interpretation.

During this course you will, in summary:

- Learn about key periods of design, materials and methods used in historic architecture in the UK and document this in a personal sketchbook;
- Learn about the role of the professional in relation to working with historic buildings, and the specialist skills and knowledge required to do this well;

- Identify, research and utilise a range of source materials in developing your personal project; plus
- Produce a report, presentation or sketch model that recognises opportunities and constraints in relation to the historic building.

By the end of the course you will have developed a new appreciation for historic architecture in England, and have a new awareness of the field of architectural conservation.

### ARCHITECTURE AND THE EDIT

**Duration:** One week

**Credits:** 5

**Campus:** City site and excursions

**Course:** Capturing the city through a lens is something that has defined cinema and photography since their conception.

The cityscape can provide a backdrop for a narrative whilst also establishing tone, texture and emotion in a piece of work – either directly or indirectly. Nottingham and the East Midlands have provided memorable architectural backdrops for work such as *Saturday Night, Sunday Morning* (1960), *Control* (2007) and, most memorably, the work of local director Shane Meadows.

You will explore locations in small groups and document the environments through photography and the moving image. You will use simple, free editing tools available on PC and Mac while also looking into filming techniques and approaches in cinema, presented by in-house and visiting lecturers. During this course you will:

- engage in creative design in a range of contexts beyond building construction, demonstrating your understanding of cultural space;
- apply different forms of knowledge to broaden your understanding of architecture;
- demonstrate appropriate creative decision-making;
- work effectively both individually and through collaborative teamwork in communicating ideas through visual, oral and written means; and
- critically appraise your own working practices.

On this course, you will be introduced to the ideas of architecture in film as a narrative device and scene-setter, while also developing ideas and methods towards creating original material, inspired by the numerous environments within the city of Nottingham.





## ARCHITECTURE, DRAWING AND THE CITY

**Duration:** One week

**Credits:** 5

**Campus:** City site and excursions

**Course:** This course will explore the concept of place through drawing. It will introduce you to the notion of drawing and design as tools for recording, reflecting and communicating ideas around architecture and the built environment. It will be a practical course based on location and in the design studio.

On this course you will undertake projects that:

- use different materials ‘in-situ’ to record architecture;
- involves site observations to help you engage with a location;
- research how people interact with the environment;
- improve your skills in hand drawing; and
- use the computer to generate images that identify spatial activity, infrastructure, and the built form.

The course will include architectural history and theory as well as group project work and presentations to demonstrate your artistic understanding of drawing, pattern and architecture.



## BEAUTIFUL LITTLE BUILDINGS: ARCHITECTURAL MODEL MAKING

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** There is something very special about little buildings – something both fascinating and beautiful.

Architectural models are the best way of communicating 3D ideas. This practical course will help you to understand how to scale down, read technical drawings, and find solutions to some of the challenges of model making. The skills learnt on this course are easily transferable to other disciplines, and help you understand design and visualise space.

To attend this course no previous experience is necessary, just plenty of enthusiasm. It is ideal for anyone interested in model making such as hobbyists, students, graduates and architecture professionals. The course will also be attractive to set designers, photographers and artists who will find the skills very useful in their own practice. During this course you will:

- learn classic model-making tips and techniques such as skilful scalpel use, correct material choice, accurate measuring and cutting, gluing, sculpting, vacuum forming, and spray painting;
- be given a directed project, drawings and all the equipment to build a simple 1:100 scale model, with its own baseboard; and
- complete the project from original material to a professionally finished model, and photos of your finished work will be taken before you proudly carry it home.

Once completed, you will have a unique set of skills, enabling you to continue model making with confidence. The work you will create will be ideal for building your portfolio as well as improving your architectural knowledge.



# GLOBAL SUMMER SCHOOL COURSES

## ART AND DESIGN

### 3D ANIMATION SUMMER SCHOOL

**Duration:** Two weeks

**Credits:** 10

**Campus:** City site

**Course:** This course is aimed at animators of the future. It combines an introduction to the creative and technical aspects of animation with information about the animation industry today.

Following an introduction to the history of animation, you will be set a project to develop a character and narrative and learn how to bring this to life. Your time will be split between working in the animation studio on a creative project, and hearing from guest speakers or visiting places of interest and inspiration to professional animators. On this course you will:

- research, design and draw a character for animation;
- be introduced to 2D and 3D animation software, including Maya, TVPaint Animation and Dragonframe;
- create a storyboard and develop your writing skills;
- add sound and music to your animation; and
- learn about directing your character for the screen.

You will combine idea generation and research skills with an understanding of animation software so that, by the end of the two weeks, you will have a storyboard and animated character to present to your fellow students. You will also have:

- an understanding of the different types of animation jobs out there;
- knowledge of how to write an excellent CV; and
- the confidence to present yourself and your showreel to potential employers.

This is ideal if you are new to animation and are considering future studies or looking to enhance your CV and portfolio.



### FASHION KNITWEAR SUMMER SCHOOL

**Duration:** Three weeks

**Credits:** 15

**Campus:** City site and excursions

**Course:** Nottingham Trent University has one of the most famous fashion knitwear departments of all UK universities, with a team of expert tutors and specialist technicians that work with students and industry on innovative and creative projects. In summer you too can immerse yourself in our fashion knitwear world. Experience professional-level resources, explore design processes, extend your portfolio and create some amazing new work.

You will experiment with:

- knitted fabric design;
- fashion knit trend research;
- yarn and material awareness;
- knitted garment construction techniques; and
- digital knit workshops.

You will also see the future of smart knitted textile technology.

Supporting your studio work will be tours around the city and the region to better understand our textile history. You will see the unique Lace Archive, visit textile museums, take inspiration from galleries and visit manufacturers to help put your work in a historical and global context. There will also be a visit to London on a Saturday, with a trip to the Victoria and Albert Museum and other key museums used by textiles and fashion students for generating ideas.

The projects will enhance your knowledge of garment specification and terminology, enabling you to understand the potential in taking a piece from concept to manufacture. This course is for students who have completed the first year of an undergraduate course in fashion or textiles, or have the relevant professional experience.





## FASHION PHOTOGRAPHY

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** This practical course will introduce you to the aesthetics of digital fashion photography. Your technical skills will be complemented by a new understanding of fashion photography in history and its context within modern society. You will work in the studio and on location, as well as in the production suites, to create your final artwork using industry-standard software. During this course, you will:

- improve your understanding of digital photography and the manual settings of your camera;
- experience working in the studio with professional lighting equipment;
- direct a model and style a contemporary look;
- source sets, props and backdrops; and
- create unique, beautiful and inspiring fashion images that demonstrate your personal approach.

By the end of the course you will have a portfolio of unique fashion images that you can show to magazines or designers in the future. You will also have the knowledge and experience to plan a fashion shoot and how to work as part of a team.

This is ideal for people who have some experience of digital photography but are new to fashion. You might be adding new work to your portfolio or considering future studies, or you might be new to the industry and want to enhance your skills.



## PHOTOGRAPHY AND ARCHITECTURE

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** This practical course will appeal to anyone interested in the urban environment and how the aesthetic qualities of buildings can be captured in a photograph. Nottingham has a wealth of contemporary and historic buildings that will be explored through the lens of your camera.

Architecture in photography is something many people can relate to, which makes it an accessible form of photographic practice. Being able to capture a unique image is a real skill which sets professional photographers aside from others. This course will teach you the necessary skills to capture the identity of a place. You will explore urban spaces old and new, inside and out, as well as green spaces where architecture and nature meet.

You will approach architecture and photography from both a fine art and reportage perspective to give your work a breadth of content that will appeal to different audiences. On this course you will:

- improve your understanding of digital photography and the manual settings of your camera;
- discuss the work of professional photographers and how they may inform the direction your work takes;
- experience working in a variety of urban locations, capturing the external and internal qualities of historic and contemporary buildings;
- experiment with abstract shapes, colour and textures;
- use Photoshop to enhance and manipulate your images;
- develop a personal style to your photography; and
- create inspiring architectural images that have both an aesthetic and potentially commercial quality.

By the end of the course you will have a portfolio of unique architectural images, the knowledge and experience to plan a shoot on location, and ideas about how to continue your photography in the future. This course is ideal for digital SLR camera users who have some experience in practical photography and an interest in architecture and the built environment.

# GLOBAL SUMMER SCHOOL COURSES

## ART AND DESIGN

### PHOTOGRAPHY AND THE ALCHEMY OF THE DARKROOM

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** This course combines digital photography with the alchemy of alternative and primitive photographic printing processes.

The course will begin by refreshing your knowledge of digital photography as well as improving your awareness of contemporary photography at a local, national and international level. You will combine your camera skills with the alchemy of Victorian salt printing, a darkroom technique still being used today by artists and designers. This technique will enable you to engage with the past and identify with the history of photography and its first pioneers. During this course you will:

- learn about current thinking in photography;
- draw on established ideas and principles to develop a personal approach to photography and define your own project;
- create innovative images that combine digital with primitive photographic processes;
- critically evaluate your work and the work of others; and
- learn how to use image amalgamation, montage and masking in addition to simple software tricks that will make your final photographs weird and wonderful.

Whether your interests lie in fine art, portraiture or fashion photography, you will leave with the knowledge and understanding of how you wish to progress your image-making in the future.

This is for people new to photography, or for those who understand digital photography but wish to explore historical processes in the darkroom.



### PHOTOGRAPHY AND THE ARTISTS' BOOK

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** This course combines two interconnected disciplines of image and artefact creation: digital photography and the self-published artists' book. It is open to photographers, artists and designers of all levels and backgrounds.

This course will begin by refreshing your knowledge of digital photography and improving your awareness of contemporary image-making at a local, national and international level. You will then apply this knowledge to exploring craft-based presentation skills, namely the artists' book. On this course you will:

- learn how to make a Japanese stitch book;
- explore current design thinking using cut, crease, split, fold, remix, copy and paste techniques;
- hear how artists are using these techniques today;
- research your own personal project;
- learn how different methods can be adopted for different audiences; and
- choose the appropriate method to complete an innovative piece of artwork.

By the end of the course you will have a contemporary hand-crafted book and the skills to continue making books in the future. This is ideal if you wish to develop image-making for your portfolio if you are considering future studies in photography, graphic design or fine art. It is also a great creative experience if you wish to develop this skill for personal interest.





# GLOBAL SUMMER SCHOOL COURSES

## ARTS AND HUMANITIES

### ENGLISH LANGUAGE

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** Our English Language course is for students whose first language is not English. It is ideal for those who meet the English language entry requirement of the summer school and are participating in it, but who want to improve their confidence and fluency in English. On this course you will:

- find and communicate knowledge on a topic related to British culture or society;
- participate in discussions in English, and deliver a short spoken presentation with a level of English appropriate for early undergraduate study; and
- contribute ideas and writing to a group project with a level of English appropriate for early undergraduate study.

### MAGAZINE JOURNALISM

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** This course is an introduction to Magazine Journalism where you will learn how to research and write magazine features and gain an understanding of the magazine industry, including the use of pictures, colour and headlines.

This course will provide you with the ability to:

- demonstrate basic knowledge and the application of the practical skills relevant to magazine journalism;
- recognise and criticise industry structures and practices in magazine journalism; and
- plan, design and execute research in a range of areas.

You will also learn how to interview effectively and write in different styles for varying markets. Please see the English Language Requirements for this course (page 26).

### MUSEUMS, HERITAGE AND EXHIBITIONS

**Duration:** One week

**Credits:** 5

**Campus:** City site and excursions

**Course:** This course is ideal for UK and international delegates of all ages and experiences who have an interest in social and cultural history and how it is represented today.

This course provides you with:

- an understanding of heritage, of the key audiences for heritage sites, and of the needs and requirements of users;
- an awareness of how exhibitions are created
- an awareness of the nature, meaning and importance of material culture in understanding and representing contemporary society; and
- the ability to identify where to find information and how to interpret it.

This course offers the unique opportunity to broaden your vision and develop a network of friends and practitioners from around the world.

### CREATIVE WRITING

**Duration:** One week

**Credits:** 5

**Campus:** City site and excursions

**Course:** This course introduces topics and texts that focus on key aspects of writing practice. You will develop the ability to:

- understand the complex nature of literary languages;
- understand the function of the active, creative imagination in the production of written texts;
- write clearly and logically;
- write actively and creatively; and
- demonstrate the ability to re-draft and edit creative work.

You will become familiar with core elements of writing fiction and creative non-fiction, such as narrative structure, characterisation, dialogue, editing and revision of text as well as looking at a range of different genres and styles of writing.



## SPORTS JOURNALISM

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** This course explores the subject of Radio Journalism further, giving you an insight into different forms of Sports Journalism. You will learn how to script write for multimedia, including how to do match reports and construct sports features. This course will provide you with the ability to:

- demonstrate basic knowledge and the application of the practical skills relevant to sports journalism;
- recognise and criticise industry structures and practices in sports journalism; and
- plan, design and execute research in a range of areas that demonstrates achievement of the learning course's outcomes.

You will gain a good understanding of how to construct multimedia sports stories. Please see the English Language Requirements for this course (page 26).



## TELEVISION PRESENTATION SKILLS

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** Our Television Presentation Skills course will introduce you to the role of a television presenter and provide you with the ability to:

- demonstrate basic knowledge and the application of the practical skills relevant to television presenting;
- recognise and criticise industry structures and practices in television; and
- plan, design and execute research in a range of areas that demonstrates achievement of the learning course's outcomes.

By the end of the week students will have experienced studio presenting and location presenting. You will be given basic voice training, and some performance coaching to enable you to feel relaxed and confident in the role of a presenter. Please see the English Language Requirements for this course (page 26).



## RADIO JOURNALISM

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** Our Radio Journalism course is an introduction to basic radio journalism. You will develop an understanding of the practice of radio newsrooms, how a radio bulletin is compiled, and the importance of targeting a bulletin towards a particular audience. This course will provide you with:

- an understanding of how to compile a radio news bulletin;
- audio editing skills;
- the ability write news for radio and drive a radio studio desk; and
- the skills needed to present a radio news bulletin.

You will gain basic voice training to help you when presenting the news. You will also gain the skills needed to write for broadcast. Please see the English Language Requirements for this course (page 26).

# GLOBAL SUMMER SCHOOL COURSES

## BUSINESS

### DESIGN THINKING

**Duration:** Three weeks

**Credits:** 15

**Campus:** City site and excursions

**Course:** Being ahead of the competition and standing out from the crowd is essential in today's business world, as is being able to demonstrate your creativity and problem-solving skills. Design Thinking will provide you with new creative skills to complement your business knowledge.

During the first week you will explore the business case for creativity in the workplace. You will work in teams to solve simple design problems, and experiment with approaches to design thinking which are likely to be new to you. You will combine classroom lectures with sessions in the design studio, and build your understanding of how to think creatively and communicate your ideas to others.

During the second week you will begin to develop a personal project, supported by lectures on marketing and how to launch a new product or service. The final week will explore presentation skills. Upon completion, you will have a project that demonstrates your awareness of design, marketing, branding and business thinking, which you can present in teams to your tutors and fellow students. This course will:

- explore how to incorporate innovation in everyday business practices;
- look at consumer behaviour and current marketing trends;
- learn how to improve your project management and leadership skills;

- use effective presentation skills to communicate your ideas with confidence;
- explore rapid concept generation techniques and examine how the design, problem-solving and idea generation processes work;
- be actively involved in studio design projects;
- consider prototyping and sketch modelling to present your concepts;
- hear how designers view their clients and customers, and how entrepreneurs can develop brand and logo awareness when setting up a new business;
- try drawing as a tool for improving your observation skills and as a way to analyse objects and systems; and
- review case studies that will support your understanding of the creative process.

There is also an organised trip to London on the first Saturday to explore the design culture, museums and galleries of our exciting capital.

This is ideal if you have completed the first year of a business-related undergraduate course and wish to enhance your creativity and design thinking by combining techniques from the design, marketing and business professions.







## GREENHOUSE GAS REDUCTION IN BUSINESS CONSULTANCY PROJECT

**Duration:** Two weeks

**Credits:** 10

**Campus:** City site

**Course:** This consultancy project will enhance your knowledge of sustainable business through:

- working in partnership with an award-winning enterprise based in Nottingham;
- applying contemporary business practices in environmental management to address current sustainability issues with real clients;
- researching, packaging and presenting innovative ideas on making recommendations for businesses in reducing their greenhouse gas (GHG) emissions; and
- reinforcing your competitiveness in the job market through real-world consultancy experience.

You will work with leading academics from Nottingham Business School and chartered professional practitioners at the top of their career. The Nottingham Energy Partnership is a Nottingham-based company that was awarded The Queen's Award for Enterprise: Sustainable Development 2014. NTU is recognised as one of the UK's most environmentally sustainable universities.

Through this partnership, you will be consultants to real and existing SMEs in addressing their GHG emissions, analysing current data usage and exploring innovative ways your company can reduce their GHG emissions, while simultaneously increasing their profit margin.

This project involves you applying contemporary and advanced business theories and practices. You will learn more about business through application, how to be strategic, and how to use effective presentation skills to communicate your ideas with confidence.

Nottingham Business School has also previously been awarded the Guardian University Business Partnership Award for its business engagement project, together with Nottingham Energy Partnership. This course draws on this award winning work.



## SUSTAINABILITY IN PRACTICE CERTIFICATE

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** On the Sustainability in Practice Certificate you will learn about sustainability whilst developing important employability skills such as:

- communication skills;
- problem-solving skills;
- critical thinking; and
- international awareness.

The certificate explores the global challenge of food and sustainability from a personal and course perspective. You will have the chance to showcase your own initiative and be part of the solution.

NTU is recognised as one of the UK's most environmentally sustainable universities, with an institutional mission of providing "education and research which shapes lives and society" reflecting our existing commitment to sustainability.

NTU has been rated as one of the greenest universities in the UK, based on Green League tables from 2008 – 2013 (Green League, 2013). One of our Graduate Attributes is on the subject of Global Citizenship and calls for inclusion of Education for Sustainable Development (ESD) in the curriculum.



# GLOBAL SUMMER SCHOOL COURSES

## LAW

### EUROPEAN LAW

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** Our European Law course will familiarise you with the European Union (EU) institutions and the fundamental pillars of the EU Law and judicial remedies, together with an understanding of their impact on the national laws of the EU members.

The areas covered include:

- legal nature of the EU;
- treaties;
- institutions;
- free movement of goods;
- free movement of persons (citizens, workers and to provide services);
- free movement of capital;
- competition law;
- judicial remedies;
- Charter of Fundamental Rights;
- European Convention of Human Rights;
- Human Rights Act 1998; and
- European Court of Human Rights.

This course will provide you with the knowledge and understanding of relevant legal principles, legal rules and legal institutions of the EU and the ability to recognise and assess the context in which the law operates.



### INTRODUCTION TO ENGLISH LAW

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** Our Introduction to English Law course will familiarise you with the origins, institutions and ethos of English law, and give you an understanding of English legal (and consequently common law) method.

The areas covered include:

- a definition of law;
- law and rules;
- what law does or should not do;
- an introduction to English law and the English legal system;
- an explanation of what lawyers do;
- an introduction to criminal law in England and Wales;
- an introduction to public law in England and Wales; and
- an introduction to the law of obligations in England and Wales.

The course will introduce you to the idea of law and legal method before going on to introduce the key sources of law and exploring distinct speciality areas such as the law of obligations, criminal law, and public law.



# EDUCATION

## EDUCATION AND TRAINING PRINCIPLES AND PRACTICES

**Duration:** One week

**Credits:** 5

**Campus:** Clifton campus

**Course:** Gain an insight into teaching and learning practices in England, focusing on how to plan and deliver inclusive teaching sessions; how to conduct assessments; and how to offer constructive feedback. You will consider education in relation to equality, diversity and inclusivity.

On this course you will:

- discuss the roles, responsibilities and boundaries of an educational professional; and
- reflect on how individual learners learn, and the contribution of assessment to the learning journey.

This course also provides the opportunity to develop an understanding of assessment in education and training, including the principles and practices associated with models of assessment. After this course, you will be able to demonstrate appropriate planning and use of inclusive teaching, learning and assessment strategies and resources.

## LEARNING IN NATURE: INTRODUCTION TO FOREST SCHOOL PRINCIPLES

**Duration:** One week

**Credits:** 5

**Campus:** Clifton campus

**Course:** This course introduces you to the Forest School approach to learning. Forest School learning is a unique approach to education which aims to encourage and inspire children of all ages through positive outdoor experiences. You will learn about the benefits of participating in Forest School and will also participate in Forest School activities. During this course, you will:

- evaluate the Forest School approach to learning;
- explore the benefits of participating in a Forest School approach to learning for young participants and adults; and
- analyse the hazards of the Forest School approach to learning.

## AN INTRODUCTION TO SOCIOLOGICAL EXPLORATIONS IN EDUCATION

**Duration:** One week

**Credits:** 5

**Campus:** Clifton campus

**Course:** On this course you will be introduced to the central issue of social justice in education, with a focus on three overarching themes: gender, class and race. This course explores educational inequality through a sociological lens.

Areas covered on this course include:

- An introduction to key sociological thinking in education;
- why some groups appear to do well in education and others not so well;
- how or whether education contributes to unequal outcomes; and
- what's the problem with class, race and gender?

This course will contribute to your development in relation to critical thinking about educational experiences of particular groups in society.



# GLOBAL SUMMER SCHOOL COURSES

## SCIENCE AND TECHNOLOGY

### ADVENTURES IN CHEMISTRY AND FORENSIC SCIENCE

**Duration:** One week

**Credits:** 5

**Campus:** Clifton campus

**Course:** This course will give you hands-on experience, carrying out preparative and analytical techniques at the cutting edge of modern chemistry. You will cover all major sub-disciplines of Chemistry, from organic chemistry to the analysis of drug samples in Forensic Science. After completing this course you will be able to:

- demonstrate knowledge and understanding of techniques necessary for the preparation and analysis of a range of chemical compounds and complexes;
- demonstrate knowledge and understanding of how analytical techniques are applied in forensic analysis;
- carry out and interpret the following modern chemical and analytical techniques – atomic absorption spectroscopy, conductance measurements, FTIR spectroscopy, and MR spectroscopy;
- record and report results in a suitable format; and
- discuss chemical techniques in a professional environment.

You will learn through laboratory-based classes followed by guided data analysis and interpretation in order to extend your knowledge and skills base. This course is ideal if you have completed the first year of a Chemistry – related undergraduate degree.

### INTRODUCTION TO ROBOT CONTROL WITH MOBILE APPS

**Duration:** One week

**Credits:** 5

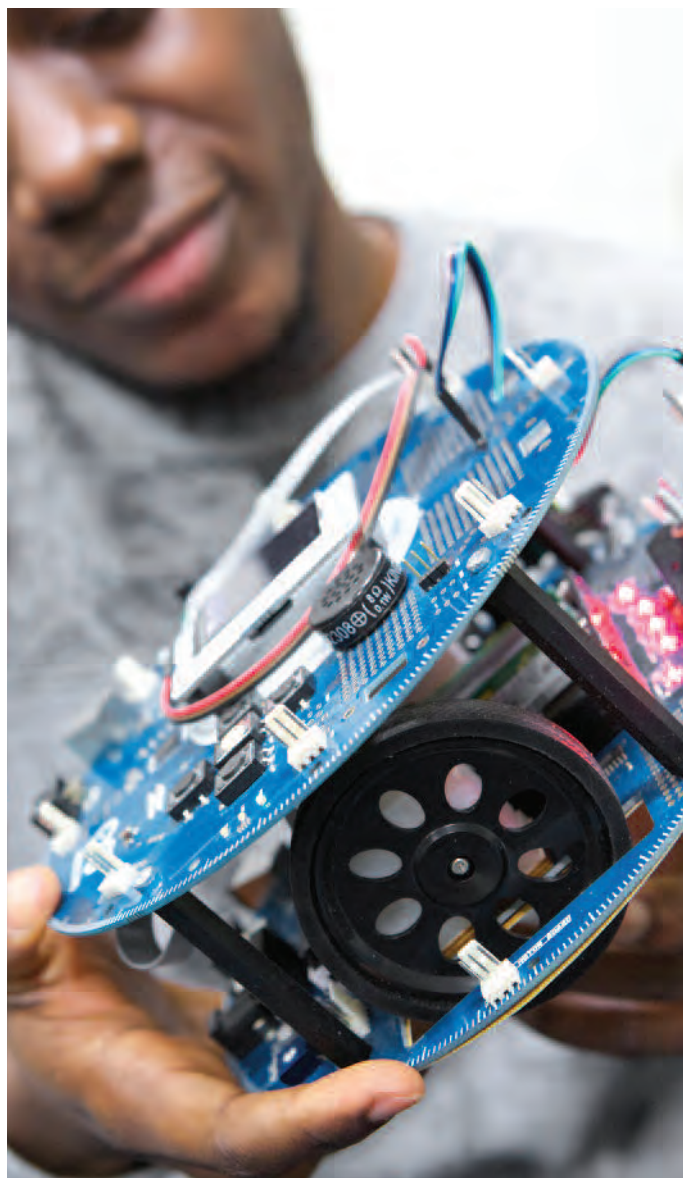
**Campus:** Clifton campus

**Course:** This course will introduce you to robotics and mobile interface programming, and will give you the ability to:

- demonstrate an understanding of robot control and how robots operate;
- demonstrate knowledge of methods of user interaction with mobile devices;

- develop an awareness of electronic devices and sensors;
- generate basic software in the context of robots or mobile apps;
- evaluate a range of techniques that enable appropriate human-computer interaction;
- solve problems through algorithmic development; and
- communicate effectively with other members of the cohort.

This course gives you the opportunity to experience techniques and learn skills applicable to applications of this exciting new technology. Students should have familiarity with Information Technology.





## PRACTICAL EXPERIENCES IN SPORT AND EXERCISE SCIENCE

**Duration:** One week

**Credits:** 5

**Campus:** Clifton campus

**Course:** This course provides you with experience of a range of techniques and research methods for analysing sports performance. This will enhance your understanding of important key concepts in sports management industries and give you the ability to:

- measure maximum oxygen uptake, the sub-maximal responses to exercise and determine the relative exercise intensity;
- undertake health screening and design an exercise or sporting intervention to enhance quality of life for adults or young people;
- work effectively in a team to bid for small scale funding;
- describe the meaning of the term maximum oxygen uptake and relative exercise intensity and discuss their relevance for setting exercise intensities and sport training;
- describe the methods for evaluating sport performance in the laboratory and field setting and explain how this knowledge can be used to enhance performance; and
- explain how sport and exercise can contribute to health and quality of life for adults and young people. It is recommended that students have completed the first year of an undergraduate degree in sport and exercise science or related subjects.

## STATISTICS WITH R

**Duration:** One week

**Credits:** 5

**Campus:** Clifton campus

**Course:** An introduction to the statistical principles and methods required for analysis of data emerging from various disciplines, including Biosciences. The areas this course will cover include:

- types of data;
- statistical inference – population and sample;
- descriptive statistics;
- probability – normal and binomial distributions;
- principles of hypothesis testing;
- one sample t-test, two-sample t-test, paired t-test;
- nonparametric tests;
- correlation and regression; and
- chi-square tests.

This course introduces R programming language and its applications for initial exploration and visualisation of data and for predictive modelling, including hands-on labs to familiarise students with the concepts taught. This course is ideal if you have an appropriate background in basic Mathematics.

## TECHNIQUES IN MOLECULAR BIOLOGY

**Duration:** One week

**Credits:** 5

**Campus:** Clifton campus

**Course:** On this course, you will gain hands-on experience of carrying out molecular biology techniques at the cutting edge of modern biosciences. Sessions will include laboratory-based practical classes and computer-based workshops with guided data analysis and interpretation in order to extend your knowledge and skills base. This course will:

- describe the principles and uses of polymerase chain reaction (PCR);
- discuss the methods for detecting mutations/variation;
- analyse DNA sequences;
- design and carry out appropriate PCR-based DNA detection assays;
- apply gel electrophoresis in DNA detection;
- evaluate appropriate methods for mutation detection; and
- use bioinformatics tools for DNA sequence analysis.

This will introduce you to the techniques involved in DNA and RNA detection and analysis, in vitro protein production, and associated bioinformatics tools.

# GLOBAL SUMMER SCHOOL COURSES

## SOCIAL SCIENCES

### APPLYING PSYCHOLOGY TO YOUR COMMUNITY

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** This course will give you an effective knowledge of how to apply psychological theory and research to understand different communities and real-world problems.

The areas covered include:

- the relationship between individuals, communities, and the social environment;
- social determinants of health and wellbeing;
- communities, identity and power relationships;
- creating a sense of community;
- researching communities;
- social identity;
- resilience and social change in communities;
- challenging inequality; and
- dealing with marginalisation, disempowerment, and lack of voice among some community groups.

You will analyse how problems have surfaced in different communities and explore methods and approaches for addressing such problems.

### CRIMINAL JUSTICE SYSTEM IN THE UK

**Duration:** One week

**Credits:** 5

**Campus:** City site

**Course:** The aim of this course is to provide students with a critical understanding of the nature and issues surrounding penal policy in England and Wales. The main focus will be on the domestic penal system, which will be considered and contextualised in an international comparative context.

The main areas covered include:

- the penal system in England and Wales – an overview;
- international comparative penal trends: the unhealthy prison and the role of human rights;
- gender and imprisonment;
- youth justice: children behind bars;
- ageing behind bars – older offenders;
- black minority and ethnic people in prison;
- the criminal justice system – a hidden secret – foreign nationals;
- mental health care in prisons;
- politics of abolitionism – reducing and eliminating the use of incarceration; and
- prison biographies and prison films – Film and question and answer session.

During this course, a number of external visits will take place, including a guided tour of the Galleries of Justice in Nottingham.



# NON-ACCREDITED SUMMER SCHOOL COURSES

Nottingham Trent University also offers the following non-accredited summer school courses during July and August 2016. These expert led courses take place on the NTU city centre site and are non-credit bearing programmes.

These courses may be mixed and matched alongside or after the accredited Global Summer School courses if required. More course details and information about how to book may be found online using the following URLs provided.

Course Title (Short Courses for Adults)	Course Start Date	Course End date	Fee	Booking URL
Adobe Creative Suite (Introduction)	4 July 2016	8 July 2016	£645	<a href="http://www.ntu.ac.uk/graphicsshortcourses">www.ntu.ac.uk/graphicsshortcourses</a>
Interactive Objects and Augmented Materials	4 July 2016	8 July 2016	£450	<a href="http://www.ntu.ac.uk/productshortcourses">www.ntu.ac.uk/productshortcourses</a>
Introduction to Drawing	4 July 2016	8 July 2016	£325	<a href="http://www.ntu.ac.uk/artshortcourses">www.ntu.ac.uk/artshortcourses</a>
Smart Textiles and Wearable Technology	11 July 2016	15 July 2016	£450	<a href="http://www.ntu.ac.uk/textileshortcourses">www.ntu.ac.uk/textileshortcourses</a>
Introduction to Paint and Painting	11 July 2016	15 July 2016	£350	<a href="http://www.ntu.ac.uk/artshortcourses">www.ntu.ac.uk/artshortcourses</a>
Introduction to Mixed Media Painting	18 July 2016	22 July 2016	£350	<a href="http://www.ntu.ac.uk/artshortcourses">www.ntu.ac.uk/artshortcourses</a>
Fine Art and the City	25 July 2016	29 July 2016	£520	<a href="http://www.ntu.ac.uk/artshortcourses">www.ntu.ac.uk/artshortcourses</a>
CAD for Product Design - Beginners	25 July 2016	29 July 2016	£480	<a href="http://www.ntu.ac.uk/productshortcourses">www.ntu.ac.uk/productshortcourses</a>
Furniture Making Workshop	25 July 2016	29 July 2016	£325	<a href="http://www.ntu.ac.uk/furnituresummerschool">www.ntu.ac.uk/furnituresummerschool</a>
Watercolour Painting Now	1 August 2016	5 August 2016	£525	<a href="http://www.ntu.ac.uk/artshortcourses">www.ntu.ac.uk/artshortcourses</a>
Digital SLR Photography	1 August 2016	5 August 2016	£650	<a href="http://www.ntu.ac.uk/photoshortcourses">www.ntu.ac.uk/photoshortcourses</a>
Tutu Making for Costume	1 August 2016	5 August 2016	£475	<a href="http://www.ntu.ac.uk/textileshortcourses">www.ntu.ac.uk/textileshortcourses</a>
CAD for Textile Design	8 August 2016	12 August 2016	£325	<a href="http://www.ntu.ac.uk/textileshortcourses">www.ntu.ac.uk/textileshortcourses</a>
Contemporary Drawing	15 August 2016	19 August 2016	£425	<a href="http://www.ntu.ac.uk/artshortcourses">www.ntu.ac.uk/artshortcourses</a>
Interior Design for Beginners	15 August 2016	19 August 2016	£425	<a href="http://www.ntu.ac.uk/interiorshortcourses">www.ntu.ac.uk/interiorshortcourses</a>
Contemporary Fine Art Pottery	15 August 2016	19 August 2016	£480	<a href="http://www.ntu.ac.uk/artshortcourses">www.ntu.ac.uk/artshortcourses</a>
Wildlife Photography Summer School	15 August 2016	19 August 2016	£525	<a href="http://www.ntu.ac.uk/photoshortcourses">www.ntu.ac.uk/photoshortcourses</a>
Creating a Commercial Pottery Collection	22 August 2016	26 August 2016	£480	<a href="http://www.ntu.ac.uk/artshortcourses">www.ntu.ac.uk/artshortcourses</a>

# OUR CAMPUSES



Our campuses are spread across three sites in Nottingham, each with everything you'll need. You will be based at one of the following:

## CITY SITE

All of Nottingham's tourist attractions are within easy walking distance of our studios, classrooms and accommodation.

## CLIFTON CAMPUS

A purpose-built campus with specialist technical resources, just a short bus or tram ride from the city centre. Clifton campus is home to the impressive Rosalind Franklin building, a multimillion-pound science "super lab".



To find out more about the facilities on our campuses visit:

[www.ntu.ac.uk/campus](http://www.ntu.ac.uk/campus)

To take a virtual tour of our campuses visit:

[www.ntu.ac.uk/virtualtours](http://www.ntu.ac.uk/virtualtours)



# ACCOMMODATION

We have a range of accommodation options available to you. You should budget between £150 and £180 per week for a single room with en-suite bathroom in a self-catered hall of residence. You can read more about the options available by visiting [www.ntu.ac.uk/globalsummer](http://www.ntu.ac.uk/globalsummer)



## FACILITIES

Our summer school takes place in the same studios, classrooms, workshops and laboratories which are used by our full-time students throughout the year.



## STUDENT SUPPORT SERVICES

Our summer school students receive the same level of support we give our full-time students. Our dedicated Student Support Services team are here to give you information and advice on a wide range of practical and personal issues. We have Student Services Centres at each campus.

When you are not in class you will be supported by a Summer School Coordinator and a team of Student Ambassadors who will ensure you have a great stay.

You will be very welcome to visit our Global Lounge at the City site for tea and coffee.



# HOW TO APPLY

## STEP ONE

Read the guidance notes and complete the application form at [www.ntu.ac.uk/globalsummer](http://www.ntu.ac.uk/globalsummer)

You can choose from between one and four courses as long as the timetable allows it.

## STEP TWO

Email your form to our summer school team at [GlobalSummer@ntu.ac.uk](mailto:GlobalSummer@ntu.ac.uk)

## STEP THREE

An NTU representative will be in touch to confirm there is a place available for you. They'll then help you to pay the fees online or via

bank transfer. You'll also be sent information on accommodation, and you'll be supplied with a letter if you require a visa.

## STEP FOUR

Once payment is made you will be invited to complete your enrolment online.

## STEP FIVE

Joining instructions about where to go on the first day will be sent closer to the course start date.

If you're making a booking on behalf of a group, please contact us directly at [GlobalSummer@ntu.ac.uk](mailto:GlobalSummer@ntu.ac.uk).



## ENROLMENT DEADLINE

We take enrolments until the courses are full. We recommend an early booking as places are limited.

## TUITION FEES

Prices range between £500 and £600 per week, depending on the content and duration. The fee covers the cost of tuition and most specialist materials. You may be asked to provide some equipment for practical activities (such as a camera or a laptop). This information, plus the prices, can be found at [www.ntu.ac.uk/globalsummer](http://www.ntu.ac.uk/globalsummer)

## ANY QUESTIONS?

[www.ntu.ac.uk/globalsummer](http://www.ntu.ac.uk/globalsummer)

Email: [GlobalSummer@ntu.ac.uk](mailto:GlobalSummer@ntu.ac.uk)

Tel: +44 (0)115 848 2808

## ENGLISH LANGUAGE REQUIREMENTS

For all our summer school courses (excluding journalism), international students are expected to have an English language qualification of IELTS 6.0 or equivalent.

For our journalism courses, international students are expected to have an English language qualification of IELTS 7.0 or equivalent. For full English Language entry requirements and how to apply, visit [www.ntu.ac.uk/globalsummerapply](http://www.ntu.ac.uk/globalsummerapply)

## OPTIONAL EXTRAS

Nottingham in the summer is a great place to be, and we play the perfect host in ensuring you settle in and see as much as you can whilst you are here. In addition to your studies, we provide optional weekend events such as visits to historic buildings, outdoor pursuits, shopping trips and cultural events, both locally and around the country. Further information on these and how to book your place can be found at [www.ntu.ac.uk/globalsummer](http://www.ntu.ac.uk/globalsummer)



## **CONTACT US**

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**[www.ntu.ac.uk/globalsummer](http://www.ntu.ac.uk/globalsummer)**