

Summer Scholars

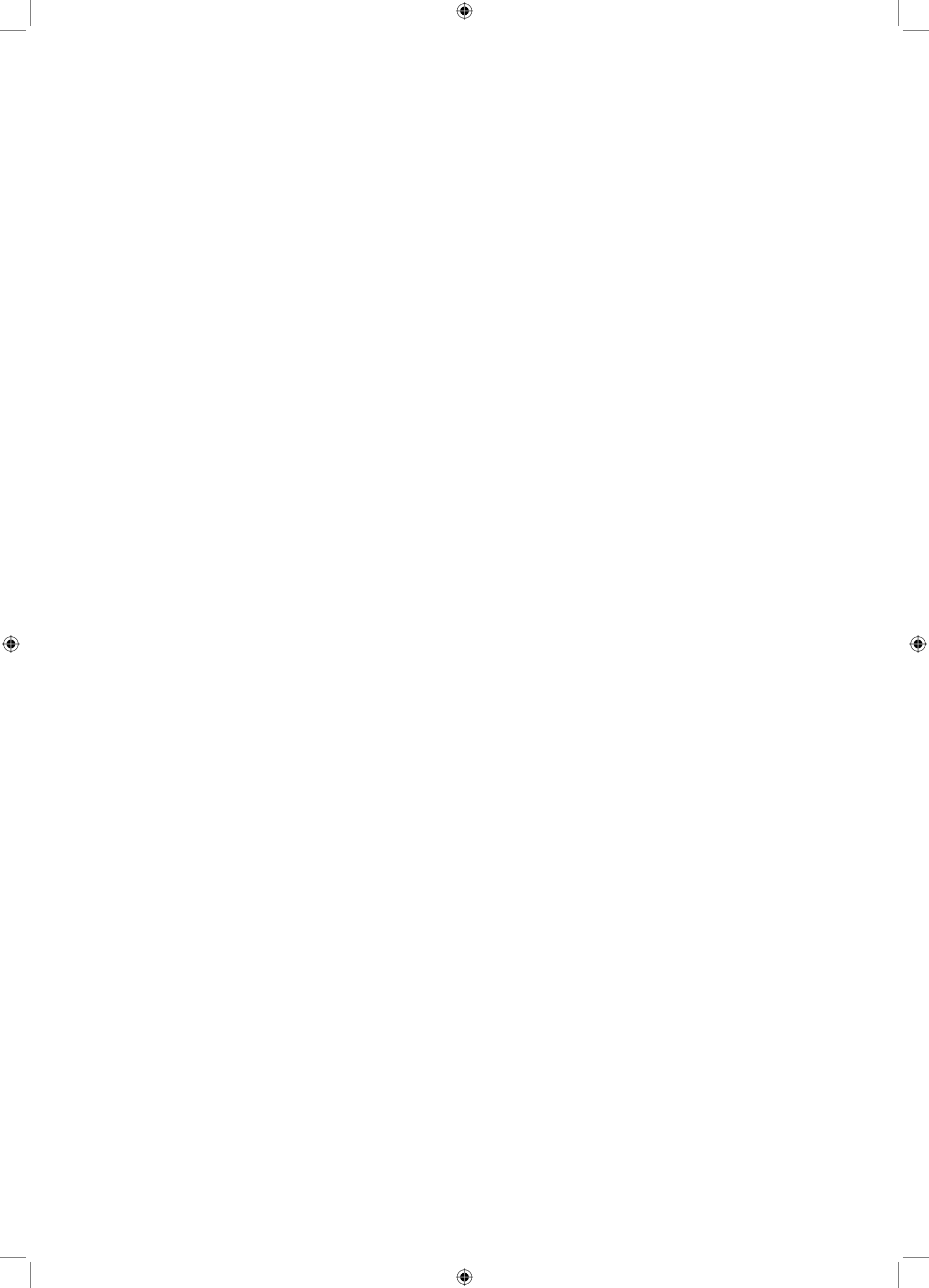
2020

2 Week Academic Summer Programme
for Second Level Students

Session Dates: 22nd June - 3rd July



CT4
IRELAND





Invitation to CTY Ireland

We are delighted to invite you to participate in the Summer Scholars programme here at Dublin City University. Making choices for third level can be a hugely difficult task and this programme is designed to give you a preview of potential college courses. As well as trying out some new subjects this programme will also give you an opportunity to experience college life on a university campus. You will get to meet other students and also have use of the great facilities on offer here at Dublin City University. It promises to be a great two weeks so hopefully we will see you here on campus in June.

I encourage you to take this opportunity and join us in DCU this summer.

Dr. Colm O'Reilly
CTYI Director

Dublin City University is Ireland's youngest university. Just 30 years old in November 2010, it currently has a student population of over 17,000, including 3500 postgraduate students, of which more than 750 are research postgraduate students. Moreover, DCU is global in its focus and has a very international campus profile with close to 2000 students from 115 countries outside Ireland.

DCU is an innovative and dynamic institution. Radical in its strategy from the outset, it has always been particularly responsive to the needs of business and industry, both in its programmes of study and its research. It is characterised today by a focus on innovation and entrepreneurship, an ability to move quickly and effect change. DCU is home to world class research centres that focus on translating their outputs into societal and economic benefits.

DCU has the highest research income per faculty member of any Irish university and is committed to continuing its vigorous contribution to the development of Ireland as a globalised knowledge society.

In 1992, the Irish Centre for Talented Youth (CTYI) was established at DCU to meet a long-felt need by providing recognition, encouragement and challenge for academically talented students and guidance for their parents and teachers. CTYI has had the invaluable advice and assistance of the highly successful Johns Hopkins University Center for Talented Youth in the early stages of planning and in continued support over the years. We share the same educational philosophy and the same commitment to nurturing and challenging academically talented young people and assisting them to fulfill their intellectual potential.

CTYI is one of the jewels in DCU's crown. It has a long record of stimulating and exciting talented students. Beyond that, it is also a place where many lasting friendships begin!

Professor Brian MacGrath
President
Dublin City University

Application Information

Full Fees

€550

Initial Application

€350

Balance of Fees

€200 (due before May 8th)

Students wishing to apply for *Financial Aid* should contact Orla Dunne at orla.dunne@dcu.ie before sending their application. **€100** must be included when submitting application forms - we only accept Credit/Debit Cards for this fee.

Balance of Fees forms will be posted with the Acceptance Packs in April.

There will no longer be a reduction in fees for early applications. If you pay your fees in full before January 31st then €50 will be donated towards Financial Aid to help students with financial difficulties attend the programme.

Students will not be permitted to attend the Summer Programme until all fees have been paid.

Avoid Delays in the Application Process

Remember - First Come, First Served

Applications will not be processed unless full information is provided. Please review your application carefully before posting it as an incomplete application will be returned by post to parents.

The following items cause delay in the application process:

- **Missing Signatures** - both the student's signature and a parent/guardian's signature are required on the application form.
- **Fees Not Enclosed** - The application fee (includes the €100 registration fee) is required as part of the application for courses.

Course Information

Drawn typically from a university curriculum, the courses open up new avenues of learning and opportunities for greater challenge and stimulation than students would be used to at school. Students may also use this as an opportunity to trial run a university course that they may be considering after they leave school. Our courses are fast paced and cover material in more depth and at greater levels of complexity than is usual at post primary school. They are designed to be intellectually stimulating.

Eligibility

This course is open to all second level students aged 12-17 years, except those who will sit their Leaving Certificate in June 2020. All students attending should be born after 1st June 2003. Please note applicants **MUST** have sufficient English proficiency.

Course Structure

Students take one subject, which they study intensively for approximately 40 hours over the 2 weeks. Class sizes are small with 18-20 students. Overall, the student to staff ratio is approximately 5 to 1. Classes have an instructor, a teaching assistant. CTYI staff are chosen on the basis of mastery of the subject, enthusiasm and good communication skills.

Course Choices

All students who meet the age criteria may apply to the DCU Summer Scholars Programme. We may however, receive more applicants than there is space available. Students are assigned to courses on a first-come, first-served basis although we do encourage students to apply as early as possible as this gives our office more processing time. Students should think very carefully about their course choices, listing only those courses which they will accept if they do not receive their first choice. The more flexible students can be, the greater their chances of being assigned to a course. Students are assigned to courses on a **first-come, first-served basis** upon receiving your application.

Course Allocation

Course assignment packs will be posted as soon as possible after 3rd of April to students who have been allocated places. Students who have not been offered places may choose to have their deposit returned or apply for any places which have not been taken up. (Please note that refund requests must be made in writing). CTYI reserves the right to cancel or alter any course if, due to unforeseen circumstances the course cannot be run economically or efficiently.

Note to Returning Students

Enrollment is limited in many of the courses. Please do not assume that because you have participated in CTYI previously, you will receive your first choice. It is very important for you to list alternatives.

2020 Summer Courses

21st June - 3rd July

Computer Animation
Criminology
Forensic Science
Law
Medicine
Psychology
Popular Fiction

Course Descriptions

Computer Animation

Computer animation is everywhere - from your favourite films and TV shows to games and modern art. The Irish animation industry is booming. Animation is bigger, more advanced and more popular than ever and the medium is changing and growing rapidly. This course aims to equip students with knowledge of the various theories, methods and techniques involved in computer animation. Students will gain a solid understanding of film and animation history and theory - from optical illusions and early animation to character design, camera angles and lighting. This theory will be put into context and practiced as students gain practical, hands-on experience with computer-aided design, modelling and animation using cutting-edge software.

Criminology

What is crime? Who commits crime? Why do people commit crime? How is crime dealt with? Criminology is the scientific study of the nature, extent, causes, and control of criminal behaviour in both the individual and in society. This course will delve into many areas in an attempt to explain crime and criminal behaviour. The course will start by assessing the different theoretical perspectives which attempt to offer a scientific study of 'crime' and the 'criminal', from classical to contemporary theories. We then take a more practical approach, reviewing topical criminal justice issues in Ireland and elsewhere such as crime rates, media and crime, policing, poverty and sentencing policies. We conclude with an overview of studies in penology and penalty, theories of the prison and of alternatives to imprisonment.

Forensic Science

Forensic science is the application of scientific processes to help solve crimes. Forensic science incorporates aspects of chemistry, physics, and biology, to draw impartial conclusions from evidence to support the prosecution or defence in investigations. Forensic evidence includes DNA profiling, fingerprints, toxicology, ballistics, and much more. Forensic scientists must analyse whatever is found at a crime scene to draw conclusions about what happened and who may have committed the crime. This course will introduce you to some of the science and techniques used by forensic scientists to catch criminals

Law

How many of us know how the law actually works? It's around us every day, but for many it remains a mystery. Crime scene shows and courtroom dramas give a glimpse of its inner workings, but even they often don't tell you the full story. This course has that full story. First, it's about how law is applied in practice today. At the end of three weeks, you will be able to debunk many of the common myths surrounding the law. Is an accused person always innocent until proven guilty? Is DNA evidence as conclusive as it seems? How do judges and juries really come to their conclusions? With this new understanding of how law is in reality, the class will embark on a course long project to design reforms of the law. Next is how law is written down, in legislation, the Constitution, and in books. We will look at all the main areas that students might encounter (like criminal law, tort, and constitutional law) as well as some of the lesser known areas of study, like media law and sports law. Throughout the course there will be a particular focus on the Constitution and the effect the European Convention on Human Rights has on Irish law. The last part of the story shows you how to 'do' law. We will develop some of the most crucial skills that any good lawyer needs: opinion writing, case analysis and, of course, your skills of persuasion, which will be honed in the class discussions that form an integral part of the course.

Medicine

Do you want to be a doctor in the future? If so, why not try this innovative taster course in medicine, which contains both theoretical and practical elements. Students will learn about health and illness with a focus on anatomy, the causes, prevention and possible cures and treatments of various diseases. The course will focus on problem based learning where these health practitioners of the future will be taught the basics of medicine using case studies, evidence from expert Speakers and advice from the instructor. Debates and discussions on topics such as the value of alternative therapies, should blood and organ donation be compulsory, and is biotechnology the way forward for medical treatments, will be carried out by the students.

Popular Fiction

What makes a work of fiction 'popular'? Why must many popular texts fight to be recognised as 'serious'? What can popular texts tell us about society? And how can we write a bestseller or blockbuster? In this exciting course, we will attempt to answer such questions by exploring a wide range of popular genres such as horror, fantasy, science fiction, romance, and detective fiction, as well as popular forms such as comics, videogames, and animation. We will study recent bestsellers, analyse latest trends, compare various media interpretations, and consider historical developments. Expect to examine the history and mythology behind the fantasy worlds of writers such as JK Rowling and JRR Tolkien, investigate the psychosocial roots of legendary creatures and iconic monsters, psychoanalyse the supervillains of Marvel and DC, discuss the twists and turns of gripping mystery plots, and even consider the accuracy of the science behind sci-fi tropes from time travel to cyborgisation. Learning key writing skills, students will develop

their own worlds, characters, dialogue and plots, and be encouraged to challenge contemporary tropes. With a focus on both critical analysis and creative writing, this course will uncover the important place of popular fiction within modern culture, and attempt to answer the question; can Popular Fiction give us the answer to Life, the Universe and Everything?

Psychology

The aim of this introduction to Psychology is to encourage students to consider questions about the human mind, brain, and behaviour. Students will be stimulated to think critically and analytically as they review recent psychological research and engage with an empirical research project of their own design. Areas of Psychology which will be studied include personality, child development, social psychology, learning, research methods and the brain.

The course will be delivered in an interactive, dynamic group format intended to foster a questioning and evaluative stance in students. At the end of this module, students can expect to have a better knowledge of the scope of psychological enquiry as well as an appreciation of some of the methodological issues which span the field of psychological research today.





Student Life

Weekday Schedule

9.00am - Class

(There is a 15-min break mid-morning)

12.00pm - Lunch

1.00pm - Class

3.00pm - Activities/Students Sign Out

5.00pm - Students Sign Out

Teaching Assistants

A varied programme of sport and recreation has been arranged in conjunction with the academic programme. During the time they are not in class, students are supervised by their Teaching Assistants (TAs), and their time is highly structured. Each class has a dedicated Teaching Assistant. The TAs are usually university students, who are studying a similar discipline at university themselves. They are responsible for helping students in class as well as for leisure and sports activities and out of class supervision. In general, they help students adjust to life on the programme. They encourage a friendly and supportive atmosphere among the students and ensure that they observe the rules of the programme.

The recreational activities are supervised by the TAs, with students choosing from a wide range of options, which could include team and individual sports, board games, discussion groups, drama, reading etc.

Sign In & Sign Out

Students sign in at their classroom each morning, and sign out at the Site Office when they leave class at 3pm or 5pm. There will be a designated person with whom students should sign out. Once signed in, students must not leave the campus at any time except with the expressed permission of the Director or senior staff member authorised for this purpose. Failure to comply with this regulation will result in immediate dismissal from the programme. Students off campus and unsupervised by a CTYI staff member are not covered by DCU insurance policy. We therefore accept no liability for them.

Lunch

Students may bring a packed lunch. Students will have access to the Londis shop on campus to buy sandwiches etc. or buy the set lunch provided by CTYI.

Campus Facilities

Facilities available on campus include bank, interfaith chaplaincy centre, restaurant and shops.

Computing Facilities

There are excellent computer facilities for those courses that require computers. We do not allow students to bring their laptops or tablets to CTYI as word processing facilities and Internet access are available at specific times during class.

Social

As this is a commuter programme, there will be no weekend activities for Summer Scholars students. Between 3.00pm and 5.00pm students attend recreational activities. The activities are supervised with students choosing from a wide range of options, which could include team and individual sports, board games, discussion groups, drama, reading etc.

What to bring?

Specific information will be included in the acceptance pack that will be posted in April.

All students should bring general class materials (paper, pens, pencils, note-pads, dictionaries, calculators, etc.). In general your child should bring warm, comfortable clothes for class, sports and other recreational activities. As the weather in Ireland is notoriously changeable, we suggest that students bring clothing which can be layered and also bring a warm, waterproof jacket or coat along with waterproof shoes for field trips and outings.

What NOT to bring?

No water guns, bicycles, skateboards and time consuming games such as video or computer games are not permitted.

The use of mobile phones is confined to those times when students are not engaged in class or activities. Rules concerning their use will be explained to students on their arrival to the programme.

Students are not permitted to bring laptops or tablets devices to DCU Summer Scholars.

Students are responsible for their personal items. CTYI and DCU cannot be held responsible for loss or damage.

Campus Safety

Students must not leave campus at any time except with the express permission of the Director or a senior staff member authorised for this purpose. Failure to comply with this regulation will result in immediate dismissal from the programme. Students off campus and unsupervised by a programme staff member are not covered by the college insurance policy, and Dublin City University and CTYI accept no liability for them.

Medical Services

Services provided on campus will normally be limited to first aid. Students may be referred by CTYI to other health care facilities e.g. private clinics, general medical practitioners or hospitals for conditions requiring additional diagnosis and care.

Parents will be notified immediately in the event of a more serious illness or injury, or it is felt that the student should see a healthcare professional.

Families are responsible for the costs of prescriptions and transport costs to and from medical centres and any health care beyond that provided free of charge on campus. Please note that these costs must be paid for immediately.

In the event that a student needs to see a healthcare professional, we encourage parents to bring them. Where not possible, CTYI will make the necessary arrangements to take the student.

Insurance

Students attending Summer Scholars are covered by DCU's public liability insurance policy while in the care of CTYI. This cover does not extend to students who leave campus without permission or without a staff member. Previous students may not visit current students during the programme. Students found on campus in the company of previous students may be dismissed from the programme.

If a student is dismissed from the programme they are no longer the responsibility of CTYI once their parent/guardian (or person nominated by parent/guardian) has been notified of the impending dismissal and given reasonable time to arrange to collect the student. It is the responsibility of the parent/guardian to ensure that they or their nominated substitute is contactable and available to the student in the event of dismissal.

Advice to Parents

Some students approach their first experience at DCU Summer Scholars with a little trepidation. We would suggest that you try to encourage them to overcome these normal and natural apprehensions. However no matter how enthusiastic you may be about the programme, we do not recommend that you send very reluctant young people to DCU Summer Scholars.

Frequently Asked Questions

How many places are available on the Summer Scholars Programme?

There are approximately 150 places available.

When will I receive notification of acceptance for course I applied for?

You will receive notification of acceptance as soon as possible after the Application deadline (3rd April 2020).

What if I withdraw from the programme before it begins?

Refunds are not generally given to students who withdraw unless in very exceptional circumstances. Requests for refunds must be given in writing to the CTYI Director and are given solely at his discretion.

How much pocket money should my child bring?

We suggest that parents give their child their normal amount of pocket money that they would have at home. The only items that students may wish to buy would be lunch. There are three ATMs on Campus.

What sort of clothes should I bring?

Students normally wear casual clothing for classes and activities. Please label ALL clothing with student's identification details. CTYI would suggest that students bring clothing which can be layered and also a heavy sweater and raincoat are recommended for cool evenings and in case of rain.

Please note, if students are wearing inappropriate clothing they will be asked to change.

What certifications are received at the end of the course?

All students who complete a Summer Scholars course receive a certificate.

How are subjects chosen for syllabus?

Our principal aim is to choose subjects which are both interesting and challenging for the students. We try to find material that students would not usually have access to in school.

Discipline

CTYI demands the same standards of behaviour which one would normally find in a caring well organised home. Cleanliness, honesty, co-operation and respect will be expected from all students. Rules concerning student conduct will be explained at the beginning of the session. Our rules are for the safety and well-being of all students, hence, we ask both parents and students to co-operate fully with the programme.

Students may be **immediately dismissed** from the course for any of the following reasons:**

- Bullying, in person or via social media
- Possession or use of alcohol, drugs or a substance controlled by law during the summer programme
- Being off campus without specific authorisation
- Being in restricted areas of the campus (including parts of the Residential Building) unaccompanied by a CTYI staff member
- Violating or putting at risk the safety and well-being of any person
- Threatening or intimidating behaviour toward staff or students
- Taking a picture, video or audio recording of a staff member or student without their express permission
- Not leaving campus promptly at 5pm after signing out.

Students **may be subject to dismissal** from the course for any of the following reasons (on a case by case basis):**

- Punctuality (applicable to all aspects of the course)
- Stealing
- Vandalism
- Bullying, in person or via social media
- Possession or use of tobacco or e-cigarettes
- Not attending satisfactorily to their academic work, including repeated absence from class
- Abusive language in verbal or written form to students or staff members
- Inappropriate behaviour on or off campus
- Using computing facilities for purposes other than assigned course work

**Or for other reasons which in the opinion of the director are of a sufficiently serious nature to warrant dismissal

In Addition

- Students may not contact a staff member on any social network unless the account is a registered CTYI one.
- Students should not interact with those who are not part of the programme during their time on campus.
- Students should not use mobile phones or tablet devices at unauthorised times – i.e. during class/ activities.

Insurance

Students of CTYI are covered by Dublin City University's public liability insurance policy while in the care of CTYI. This cover does not extend to students who leave campus without permission or without a staff member in attendance. Previous CTYI students may not visit current students during the programme. A student who has been dismissed from the programme will no longer be the responsibility of Dublin City University or of CTYI once their parent/guardian or a person nominated by them for that purpose has been notified of the impending dismissal and given reasonable time to make arrangements to receive the student. It is the responsibility of the parent/guardian to ensure that he or she or a substitute authorised to act on their behalf is contactable and available to receive the student in the event of dismissal. CTYI staff will assist in making travel arrangements for the dismissed student, and escort them to the airport or other departure point.

Important to Note

Students who violate programme rules are subject to the disciplinary actions outlined above. No refunds will be made to students dismissed from the programme. Students and their families will be billed for any damage they cause. Details on CTYI Data Protection and Equality policies can be found on our website www.dcu.ie/ctyj/CTYI-Policies

Terms & Conditions

Students who violate programme rules will be dismissed from the programme. No refunds will be made to students dismissed from the programme. Students and their families will be billed for any damage they cause.

CTYI reserves the right to cancel or alter any course, if due to unforeseen circumstances the course cannot be run economically or efficiently.

CTYI accepts no responsibility for items lost/stolen or damaged on the premises. We recommend students leave valuables at home.

We do not return lost property so make sure when leaving that you bring everything with you.

Places are allocated on a first come, first served basis.

Incomplete application forms will be returned to parents by post.

All payments and installments must be paid on time, as shown on brochure. CTYI reserves the right to cancel the booking without refund if this condition is not followed.

Fees are non-transferable.

No refunds will be made to students dismissed from the programme.

Students and their families are liable for any damage they cause to university property.

If you request a receipt for payment, please enclose a stamped addressed envelope. Receipts are only prepared when full fees are received.

Refunds

The €100 Registration fee is non-refundable.

Refunds are not given if the student withdraws from the programme having been offered a place on one of their course choices.

Refunds are only provided where a course does not take place.

Written requests for a refund of Application Fees received up to and including 3rd April will be considered.

Application Fees will not be refunded after 3rd April.

No refunds will be made to students dismissed from the programme.

Application & Fee Deadlines

Financial Aid Deadline.....	Friday, 20th March 2020
Closing Date for Applications.....	Friday, 3rd April 2020
Balance of Fees Deadline.....	Friday, 8th May 2020

Please Note:

Course places are allocated on a **first-come, first-served** basis.

Financial Aid applications must include a minimum fee of €100
Credit/Debit Cards ONLY

Students will not be permitted to attend the Summer Programme until all
fees have been paid.

SEND YOUR CHILD'S APPLICATION TO:

SUMMER SCHOLARS PROGRAMME
CTY IRELAND
DUBLIN CITY UNIVERSITY
DUBLIN 9
IRELAND

Contact Us

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Student Applications
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The logo features a black circle with the text 'Summer Scholars' in white. The circle is surrounded by several yellow diagonal lines that create a sunburst effect.

**Summer
Scholars**

A black circle containing the text "Summer Scholars" in a white, cursive font. The circle is set against a background of yellow and grey rays emanating from behind it.

Summer Scholars

**Closing Date for Applications
3rd April 2020**

The logo for the Centre for Talented Youth Ireland, featuring the letters "CTY" in a large, white, stylized font above the word "IRELAND" in a smaller, white, sans-serif font.

CTY
IRELAND

Centre for Talented Youth Ireland
Dublin City University, Dublin 9

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