Summer Scholars 2017

Academic Summer Programme for Second Level Students

Monday, 26th June - Friday, 7th July 2017

DCU
Invitation to Summer Scholars Programme

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.

Dr. Colm O'Reilly
Director of CTY Ireland

Dublin City University is Ireland's youngest university. Just 30 years old in November 2010, it currently has a student population of over 11,000, including 2,600 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 2,000 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 eco-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 2010, in collaboration with the Irish Centre for Talented Youth (CTYI), DCU launched Summer Scholars. CTYI has a long record of stimulating and exciting talented students. We share the same educational philosophy and the same commitment to nurturing and challenging young people and assisting them to fulfil their intellectual potential. DCU Summer Scholars is a chance for you to gain an insight into college life and try some of the great courses that DCU has on offer.

Professor Brian Mac Craith
President
Dublin City University
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**A Message from the DCU President**

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Professor Brian Mac Craith
President
Dublin City University
Summer Courses 2017

App Design & Development
Engineering
Law
Medicine
Music Production
Psychology

Course Dates – Monday, 26th June – Friday, 7th July 2017

“CTYI: Nurturing Talent, Maximising Potential”
The courses are college style courses and similar to those on offer at university undergraduate level. Students take one subject which they study intensively for approximately 65 hours over 2 weeks. Class sizes are small with about 15-20 students. Overall student to staff ratio is approximately 5 to 1.

Eligibility

This course is open to all second level students, except those who will sit their Leaving Certificate in June 2017. All students attending should be born after 1st June 2000. Please note applicants who are not native English speakers MUST have sufficient English proficiency.

Course Structure

Classes typically have an instructor and a teaching assistant (TA). We choose our staff on the basis of mastery of the subject, enthusiasm and good communication skills. A certificate of completion will be given to each student after the end of each course.

Course Assignment

All students who meet the age criteria may apply to the Summer Scholars Programme. We may however, receive more applicants to the programmes 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.

Notification of Course Allocation

Course assignment packs will be posted as soon as possible after 7th 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. Students who withdraw after course allocations have been made will not be entitled to a refund unless the request is accompanied by a medical certificate stating why the student can’t attend. Please note that refund requests must be made in writing.

DCU reserves the right to cancel or alter any course if, due to unforeseen circumstances the course cannot be run economically or efficiently. Enrolment is limited in many of the courses.

Application Deadlines

Early Application Deadline
Friday, 27th January 2017

Financial Aid Application Deadline
Friday, 24th March 2017

Normal Application Deadline
Friday, 7th April 2017

Balance of Fees Due
Friday, 26th May 2017

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.

Early Application Deadline Applications paid in full and received before Friday, 27th January will receive a €50 reduction in fees. Please note that early applications are not guaranteed their first choice (course).

Note to Returning Students!

Please do not assume that because you have participated previously, you will receive your first choice. It is very important for you to list alternatives.
App Design & Development
Once upon a time you needed a desk-top PC to run an application, but nowadays the humble app is big business and can be found on phones, tablets, even televisions. Makers of these devices usually provide access to all the software you need to develop your own ‘killer app’ and this course aims to provide students with the tools to do just that. This fast paced course aims to give students a well-rounded understanding of what is required to make both functional and user friendly apps for Android and iOS devices. Starting with the MIT App Inventor software, students will rapidly develop several generic applications and following a crash course in user interface design will then be challenged to design and build apps of their own. The course will also include case studies, best practices in development and building apps in, and for, web browsers. Can’t tell your API from your SDK? Don’t worry, the whole course will be taught from first principles!

Engineering
In reality, without engineers, the world would fall down around our ears. Yet, most of their work goes largely unnoticed. If we examine the world around us, practically everything manmade that we can see, an engineer has been involved in it. This course introduces the basics of the various fields of engineering. The class will work on developing the problem solving and communication skills that are essential for a career in Engineering. We are faced with basic needs in everyday life. It is these needs and providing for them that fuels the problems for which engineers must provide solutions in the most efficient, socially aware, aesthetic and cost effective manner. Civil Engineering: buildings and roads. Mechanical Engineering: machinery and manufacturing. Electronic Engineering: circuits and robotics. Computer Engineering: programming and hardware. As the Engineering umbrella covers so many areas, this should prove to be a demanding, interesting, challenging and extremely enjoyable course.

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. Students will visit the hospital wards in DCU School of Nursing to learn more about patient care and will also carry out microscope work in the lab to identify some common bacteria and viruses that cause infection. 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.

Music Production
Never before has Music Technology been so accessible to young producers. All platforms, from the smart phone to the desktop computer are capable of running some sort of music production software putting creative control into the hands of musicians wherever they are. The Music Technology course will introduce the area of music production and chart its development from analog studios up to modern day standalone computer setups. Each class will consist of theoretical and practical parts. The theoretical side of the course will focus on an analysis of different musical styles and how they are made, science of sound, how waves and frequencies work and what that means for music production, as well as an in-depth look at how digital audio works and its implications for the music industry. The practical side will see the students creating and editing their own recordings with a view to eventually recording and producing songs as a class.

Psychology
This course is designed as an introduction to psychology which aims to examine the core concepts and specialisations in psychology today. The areas which will be studied include those of Emotion, Sensation & Perception, Memory, Intelligence, Social Psychology and the Biological basis of behaviour. This course will also have a practical basis. The study of Body Language, Nonverbal communication and Relaxation Techniques are an integral part of the course. Each student also researches, designs and presents his/her own project.
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.

They are always available to talk with students about their concerns, whether academic or social. The TAs are a bright and caring group of people with a wide range of interests and experiences.

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 express 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 Spar shop on campus to buy sandwiches etc. or buy the set lunch provided by CTYI.

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, a GP or hospital for conditions requiring additional diagnosis and care. Parents will be notified immediately in the event of a more serious illness or injury or if it is felt that the student should see a healthcare professional. All students are required to submit a Medical form which will be held by CTYI. This will be referred to should medical intervention be required. Families are responsible for the costs of prescriptions and transport costs to and from medical centres or any health care beyond that provided free of charge on campus. Please note that all costs must be paid for immediately. In the event that a student needs to see a health care professional, parents should take them, where possible. If not, CTYI can make the necessary arrangements.
Further Details

Campus Facilities

Students have access to the following facilities available on campus: library, bank, inter-faith chaplaincy centre, laundrette, restaurant and shops.

Computer Facilities

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

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.

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. There will be a disco on the last Thursday of the programme, following the closing ceremony.

Insurance

Students attending 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 be the responsibility of CTYI once his or her parent/guardian (or person nominated by parent/guardian) has been notified of the impending dismissal and given reasonable time to arrange to receive the student. It is the responsibility of the parent/guardian to ensure that he/she or their nominated substitute is contactable and available to receive the student in the event of dismissal.

What should I 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 is notoriously changeable, we suggest that students bring clothing which can be layered and also bring a warm, waterproof jacket or coat along with sensible waterproof shoes for field trips and outings. No water guns, bicycles, skateboards or time consuming games such as video or computer games are permitted. The use of cell/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 bring laptops or tablets to Summer Scholars.

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

Advice to Parents

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

**How many places are there available on the Summer Scholars programme?**
There are approximately 150 places available.

**When will I receive notification of acceptance for the course applied for?**
You will receive notification of acceptance after the application deadline (7th April 2017).

**What if I withdraw from the programme before it begins?**
Refunds are not given to students who withdraw unless in very exceptional circumstances. Requests for refunds must be given in writing to the programme Director and are given solely at his discretion. (Please see our Refund Policy at the back of this brochure).

**What certifications are received at the end of the course?**
All students who complete a Summer Scholars course receive a certificate.

**Are there any safe-keeping facilities available?**
Students may avail of safe-keeping facilities in the CTYI office. They can leave laptops etc. in the office during lunch and afternoon activities.

**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 soft drinks/sweets. There are 3 ATMs on the DCU campus.

**What sort of clothes should my child wear?**
Students normally wear casual clothing for classes and activities, and perhaps dress up a little more for the closing ceremony and disco. Please label all clothing with student's identification details. CTYI suggest that students bring clothing which can be layered and also a heavy sweater and raincoat are recommended in case of rain.

Please note that if students are wearing inappropriate clothing they will be asked to change.
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**Rules & 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
- Possession or use of alcohol, drugs or a substance controlled by law
- Being off campus without specific authorisation
- Being in restricted areas of the campus unaccompanied by a CTYI staff member
- Being in the residential area of the campus
- Violating or putting at risk the safety and well-being of any person

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
- Possession or use of tobacco or e-cigarettes
- Not attending satisfactorily to their academic work
- Abusive language in verbal or written form to students or staff member
- Inappropriate behaviour on or off campus
- Using computing facilities for purposes other than assigned course work

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

General Rules

- Students may not contact a staff member on any social network unless the account is a registered CTYI one.
- Students may not take a picture or video of a staff member or student without their express permission.
- 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 music players at unauthorised times, i.e. during class/activities.
- Details on CTYI Data Protection and Equality policies can be found on our website www.dcu.ie/CTYI

Important to Note

Students who violate programme rules are subject to the disciplinary actions. No refunds will be made to students dismissed from the programme. Students and their families will be billed for any damage they cause.
Application & Fee Deadlines

- Early Application Deadline: Friday, 27th January 2017
- Financial Aid Application Deadline: Friday, 24th March 2017
- Normal Application Deadline: Friday, 7th April 2017
- Balance of Fees Deadline: Friday, 26th May 2017

Avoiding Delays in the Application Process
Applications will not be processed unless full information is provided. An incomplete application slows down the application process and causes unnecessary confusion and delay. Please review your application carefully before posting it.
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.
- No fees enclosed: The application fee (which includes the €100 registration fee) is required as part of the application.
- Incomplete applications - please note that incomplete application forms will be returned.

Financial Assistance
Students who wish to apply for financial assistance should request an application form from CTYI. Please note, applications from students wishing to apply for financial aid must include €100 registration fee. When applying for financial aid we can only accept payment by debit or credit card. The deadline is Friday, 24th March 2017.

Requests for Receipts
If you wish to receive a receipt for payment of fees, please enclose a stamped-addressed envelope.
Receipts are only prepared when the full fees are received.
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Terms & Conditions

Registration Fee
All fees include a €100 registration fee, which is non-refundable.

Late Payment Fee:
A late payment fee is applicable on all accounts not paid in full by Friday, 26th May 2017. Students will not be permitted to attend the Summer Programme until all fees have been paid.

Returned cheques / declined credit cards are liable for a €10 fee to cover handling costs. Please note, your child’s application will be suspended until the payment has been processed.

Early Application Deadline:
Applications paid in full and received before Friday, 27th January will receive a €50 reduction in fees. Please note that early applications are not guaranteed their first course choice.

Course Allocation:
All communication relating to course allocations is communicated by Post. Please do not call the office, as we cannot share this information by any other means.

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.

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

Refunds
Written requests for a refund of Application Fees received up to and including 7th April will be considered. After this date there will be no refund of Application Fees. Written requests for a refund of Balance of Fees received up to and including 26th May will be considered. Application Fees will not be refunded after 7th April and the €100 Registration fee is non-refundable.
## Contact Us

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Closing Date for Applications

7th April 2017

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27th January 2017