Centre for Academic Talent

Summer Academic Programme
for 12-17 year olds
with High academic ability

Session 1: 25th June - 7th July, 2017
Session 2: 16th July - 28th July, 2017
(2-Week Programmes)
by Dir ector, Dr. Col m O'Reilly

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President, Dublin City University
Invitation to the Centre for Academic Talent
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On behalf of the Centre for Talented Youth, Ireland (CTYI), I would like to welcome you to the 6th annual summer programme of the Centre for Academic Talent (CAT). In the last 6 years, over 1500 students have participated in courses at Dublin City University. This year some 15 courses from various exciting academic disciplines will be offered at DCU.

The goal of this programme is to offer students the chance to study exciting college-like subjects, to meet students who have similar interests, and to have fun all the while. The social programme at CAT is every bit as important as the academic one. Our staff are carefully selected to meet students needs and the information atmosphere makes for a great learning and recreational environment.

Parents can be satisfied that their children are being well looked after, and students can enjoy the excellent benefits of a programme like this. I really hope that you will join us this summer for the CAT programme. It’s an experience that you will remember fondly for many years to come.

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Introduction to CTYI
by DCU President, Prof. Brian MacCraith

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 2600 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 fulfil 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 MacCraith
President, Dublin City University
Background

The Centre for Academic Talent (CAT) was developed to give high ability students access to courses, not ordinarily available in the secondary school curriculum. 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. CAT offers small class sizes (~18 students), led by an instructor and teaching assistant. CAT academic staff is carefully selected. We look for individuals who have an expertise in the area, are enthusiastic about their subject and can communicate well with young people.

Ensuring that students can relax and become acquainted outside of the learning environment, students will participate in a range of extra-curricular activities from 3.15 – 5pm each day. Here they can expect to participate in sports, arts & crafts, explore mutual interests in music and drama etc.

Eligibility Criteria

The Centre for Academic Talent is for secondary school students aged 12-17 years, who have;
- participated in our Talent Search, and have scored in the top 15% of their age group
- have previously taken part in the CTYI Young Students Programme

Where does it take place?

Centre for Academic Talent will be held in Dublin City University. Please note that residential and commuter places are available.

Why should you consider taking part?

Courses at the Centre for Academic Talent will be of benefit to students in a wide number of ways:
- It’s an opportunity to study a university level subject that would otherwise be unavailable;
- You’ll meet similarly interested and motivated students;
- You’ll learn from an instructor who is working in the field;
- You have access to some of the university’s top quality facilities;
- The course will give you greater focus and motivation on your learning.

Application & Fee Deadline

Early Application Deadline: Friday 27th January 2017
Application Deadline: Friday, 7th April 2017
Balance of Fees Deadline: Friday, 26th May 2017
### Course Information

**CAT Session 1**
- Biotechnology
- Computer Animation
- Criminology
- Neuroscience
- Novel Writing
- Social Psychology
- Veterinary Science

*25th June – 7th July, 2017*

**CAT Session 2**
- Behavioural Psychology
- Computer Gaming
- Engineering
- Law
- Marine Biology
- Medicine
- Music Production
- War & Conflict

*16th July – 28th July, 2017*

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. 15 courses are on offer. Many of these courses deal with topics not normally encountered in post primary school. Textbooks and hand-outs, where required, will be provided on the first day of class. Further information about course requirements will be posted to students as soon as possible after the closing date.

### Structure of courses

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. Classes typically have an instructor, a teaching assistant (TA) and a residential assistant (RA). We choose our staff on the basis of mastery of the subject, enthusiasm and good communication skills. Homework will be assigned to be completed during the two hour study period each evening. Commuting students in DCU are encouraged to stay for the supervised study period.

### Course Assignment

All students who meet the eligibility criteria may apply to the CAT Programme, whether or not they have been Talent Search participants. Students should think very carefully about their alternative course choices, listing only those courses which they will accept if they do not receive their first choice. **Students are assigned courses on a first-come, first-served basis.**

### Note to Returning Students

Enrolment is limited in many of the courses. 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.

### One Session, One Programme

Please note, students can only attend one session from the CAT programme.
General Information

Weekday Schedule

8.15 am  Breakfast (Residential students only)
9.00 am  Class  (there will be a 15-minute break mid-morning)
12.00 pm Lunch
1.00 pm  Class
3.00 pm  Recreational Activities
5.00 pm  Dinner
6.30 pm  Study
8.30 pm  Social time
10.00 pm Residential students go to their rooms. Commuters sign out.
10.30 pm Lights Out

Commuting students should bring a packed lunch. Students will have access to the Spar shop on campus to buy sandwiches etc. or buy the set lunch (and dinner) provided for residential students. The recreational activities are supervised by the RAs with students choosing from a wide range of options, which could include team and individual sports, board games, discussion groups, drama, reading, etc. In the evening, students return to their classrooms for a two hour study period after which they have social time and meet informally with their RAs.

Weekend Schedule

No classes are held at weekends and study periods are on Monday - Friday evenings only. There is a full schedule of events at the weekend that may include sports, shopping, sightseeing and the like. Weekend activities may also include special events such as discos, movies, a students’ Talent Show and quizzes. The weekend schedule allows time for doing laundry, writing emails, relaxing, socialising and attending religious services if so desired. All weekend activities are supervised by the Residential Assistants. Commuting students are strongly encouraged to take part in the weekend activities and trips.

Sign in & Sign Out

Students must not leave 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 the college insurance policy and DCU and CTYI accept no liability for them.

Commuting Students

Commuting students sign in at their classroom in the morning. They sign out at the Site Office when they leave the class at 3pm, 5pm, 8.30pm or 10pm. There will be a designated person with whom students should sign out.
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. All students will be required to submit a Medical form which will be held by CTYI. This will be referred to should medical intervention be required. (Medical form will be included in the acceptance pack).

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.

Overseas Students: CTYI requires documentary evidence that a student’s medical insurance will cover his/her stay in Ireland.

Advice to Parents

Some students approach their first experience at CAT 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 CAT.

Stay Residentially or Commute?

We encourage students, where possible, to attend on a residential basis. We do however reserve places for students who wish to commute to class at the university Monday - Friday. Commuting students are encouraged to attend from 9am to 10pm, and immerse themselves in both the academic and social aspects of the programme. We particularly encourage these students to stay for evening study and the subsequent social period however, they are free to sign out at any stage after class. Commuting students must sign out by 10pm.

Residential Students

Being away from home especially for the first time can be difficult for some students. CTYI makes every effort to create a supportive environment to help students settle in. Many students who were homesick at first are among those most reluctant to see the programme come to an end. Students may leave the programme at the weekend, although we suggest that parents do not take their children away at this time as a full recreational and social programme takes place. This time is important for students to establish friendships and become fully involved in residential life.

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 CTYI as word processing facilities and Internet access are available at specific times during class and study period. Email facilities are not available in campus residences however there will be time during the programme when students can access their email.

Campus Facilities

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

Please note, students may NOT choose their roommates.
Residential 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 Residential Assistants (RAs), and their time is highly structured.

Both residential and commuting students are assigned a Residential Assistant (RA). The RAs are usually university students who stay in the Campus Residences with the students. They are assigned a group of (same gender) students, and they are responsible for leisure and sports activities and out of class supervision. In general they help students adjust to life at CTYI. They encourage a friendly and supportive atmosphere among the students and ensure that they observe the rules of the programme.

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

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 CTYI staff member are not covered by the college insurance policy, and Dublin City University and CTYI accept no liability for them.

Insurance

Students attending CAT 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 CAT 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.

A student who has been dismissed from the programme will no longer be the responsibility of CTYI once his or her parent/guardian or a person nominated by him or her 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 his or her behalf 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 May. All students should bring general class materials (paper, pens, pencils, notepads, 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. Students should bring an alarm clock, towels and toiletries. No water guns, bicycles, skateboards, large equipment (TV, stereo, etc.) or time consuming games such as video or computer games are permitted. Students will not be required to bring bed linen as this will be provided.

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.
# Travel Arrangements

## Arrival & Departure Days

### Session 1
All residential students attending Session 1 must arrive on the Arrival Day (Sunday, 25th June) and leave campus by noon on the final Friday (7th July).

All commuting students attending Session 1 must arrive on the Arrival Day (Monday, 26th June) and leave campus by noon on the final Friday (7th July).

An orientation session for commuting students will take place on Saturday, 24th June 2017.

### Session 2
All residential students attending Session 2 must arrive on the Arrival Day (Sunday, 16th July) and leave campus by noon on the final Friday (28th July) as CTYI staff is only employed until midday on this date.

All commuting students attending Session 2 must arrive on the Arrival Day (Monday, 17th July) and leave campus by noon on the final Friday (28th July) as CTYI staff is only employed until midday on this date.

An orientation session for commuting students will take place on Saturday, 15th July 2017.

## Overseas Students

### Arrival
When booking flights, please note that students should not arrive any earlier than the morning of,
- **Sunday, 26th June** on session 1
- **Sunday, 16th July** on session 2

Please note, we are happy to accommodate flights arriving at ~6am!

### Departure
On homebound flights, flights must depart from Dublin airport no later than 2pm on the day of departure;
- **Friday, 7th July** on session 1
- **Friday, 28th July** on session 2

If students cannot depart from Dublin airport before 2pm on Friday, 28th July, they **MUST** book a flight on Thursday, 27th July.

### Shuttle Service
Airport/train/bus Station Shuttle Service will be available on arrival and departure days to students only (not to family members) from Dublin airport, Busaras Bus Station and train stations. Shuttles are charged at a rate of €50 (one way) or €100 (round trip). Details will be provided in the acceptance pack.
Course Descriptions

**Behavioural Psychology**

**Session 2**

This domain of psychology is based upon the concept that behaviours can be explained through observation, and that individuals behave according to their environment. It contends that our actions are a response to stimuli. This course will bring into sharp focus the environmental component of the nature: nurture discussion. Assuming that each of us is born with a blank canvas, it will seek to better understand the impact of different life experiences and environmental factors. Students can expect to learn about the work of Skinner, Pavlov, Thorndike, Erikson, and Bandura. With a myriad of fascinating topics, including: fight or flight syndrome, overcoming fears, conformity, aversion and altruism, students on this course will sit back, observe and develop their own conclusions as to why human behaviour is as it is. This will be a highly interactive course, with a strong research component.

**Biotechnology**

**Session 1**

Biotechnology is the fascinating study of how living organisms can be manipulated to improve many areas of society. This course will investigate how animals and plants are cloned and why and how the fields of pharmaceuticals, medicine, food and agricultural have all advanced using this form of biological engineering. Famous case studies, such as Dolly the sheep, and the controversy behind Monsanto’s genetically modified fertilizers, will be discussed. The ethical dilemmas of using biotechnology, especially in the case of human and animal cloning, and also in genetically 'designing' babies to have particular traits, will be debated. The course will also have a strong practical element with students carrying out related experiments in a biology laboratory, including: amplifying DNA using polymerase chain reaction (PCR); growing microorganisms; extracting DNA; microscope work and more. Visits by guest speakers and project work will also be included.

**Computer Animation**

**Session 1**

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.

**Computer Gaming**

**Session 2**

This course is an introduction to computer game design and programming. Programming will be done with the popular and user friendly Game Maker program. By investigating the history of computer gaming, and through modelling of retro games, each student will build up their knowledge of good game design. Exercises on the programming of different types of games (puzzle, platform) coupled with tutorials on coordinate geometry, animation, logic and good programming technique will equip students with all the tools needed to complete an individual game design project. The course will also take a look at the consistently growing computer gaming industry. With advancing technologies like motion detection, new applications such as health and fitness, and a huge online target market, the gaming culture is changing. These changes and their positive and negative social implications will be analysed during the course.
Criminology

Session 1

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. There is also normally the option to visit the Four Courts and Mountjoy Prison.

Engineering

Session 2

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

Session 2

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.

Marine Biology

Session 2

With 5,600 km of coastline and 220 million acres of sea territory, Ireland has a huge range of marine life. From tiny plankton to animals like sunfish, basking sharks and humpback whales, the variety of life in the oceans is incredible. From the oxygen you breathe to the food on your table, oceans provide humans with many important goods and services. This course will look at the classification of animals in the sea, the special features of each group and their distribution. Students will learn about food webs, how climate change may impact the oceans and how animals defend themselves from predators. Students will handle animals collected from the seashore, dissect and study the anatomy of fish and observe animal behaviour in videos. This is a course suitable for students with an interest in science, particularly biology and animals. Skills learned in this class may aid students wishing to pursue a career in research or wildlife conservation.
**Medicine**

**Session 2**

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**

**Session 2**

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. This will be done through the Reaper and Apple Garage-band music production programs.

**Neuroscience**

**Session 1**

Why do we sleep? How do some people 'smell' colour? How do our brains change throughout life? Why did the man mistake his wife for a hat? Is nature or nurture more important in how we behave? Interested in these questions? Then the CAT Neuroscience course is for you! Neuroscience is one of the most interesting fields of study and we have made huge strides in neuroscience from the days when we thought that the only function of the brain was to produce snot! Neuroscientists now work in fields as varied as mechanisms of disease, drug development, sports medicine and psychology and we shall touch on all of these areas. Students will begin with the basics of cellular biology and neuroanatomy before taking a tour of the brain looking at both the normal function of different areas of the brain and what happens when these functions break down. We shall also look more recently developed fields of neuroscience such as stem cell therapies and brain-computer interfaces. This course is of interest to anyone who has an interest into how our brains work, how they process the world around us and what happens when these systems break down. We shall also look at and discuss how this fascinating research is carried out in laboratories in Ireland and around the world. The class will be lecture based but enthusiastic discussions are welcome! Don’t know what a neuron is? Don’t worry! Everything will be taught from first principals.

**Novel Writing**

**Session 1**

For everyone who’s ever even contemplated writing a novel, the following questions are probably all-too-familiar: Is it really that important to have an outline? Should you always know how your novel is going to end? How do you write about the same characters for so long without getting fed up of them? What’s ‘dramatic tension’ and ‘conflict’ all about? What’s the difference between writing for children and writing for adults? How do you decide what genre to write in? Is it necessary to do research before writing? Has every idea really been done before or are there still new concepts out there? This course will answer these questions and guide students towards finding a method of outlining
that best suits them and identifying themes and situations they will most enjoy writing about. Students will have the chance to work on individual projects as well as collaborating on the first draft of a novel-length project, enabling them to see how things change and develop from the initial seed of an idea to what ends up on paper. If you’ve ever had writer’s block, if you want to improve your skills, or if you want to impress people by talking about that novel you co-wrote – this is the course for you!

**Social Psychology**

**Session 1**

If psychology is the study of human behaviour, social psychology looks at that behaviour in action in the world. This course seeks to impart a detailed understanding of the burgeoning field of social psychology, focusing specifically on the applied use of psychology in the fields of politics, advertising and healthcare. Students will be introduced to psychological theory of attitudes, attractiveness, prejudice, groups and teams, attribution, self-identity and helping behaviour. How do our attitudes affect our behaviour? Can we ever truly overcome prejudice? What is the best way to address racial tension in schools? How important are a candidate’s looks in a political campaign? How do juries behave, what influences them, and why? This wide ranging course will use case studies from Irish advertising campaigns, the healthcare system, recent Dáil elections and the 2008 American presidential campaign to deepen students’ understanding of the structure and function of human behaviour and its effects in the world. Students will conduct and present research to the class on topics of current interest, and will have the opportunity to design and present the results of a psychological experiment of their choice.

**Veterinary Science**

**Session 1**

This course will look at various aspects regarding the cause, treatment and prevention of diseases in animals. The physiology, dietary requirements and the habitat of both household pets and farm animals will be studied. There is an emphasis throughout the programme on problem-based learning and the use of case studies to give an insight into the correct procedures to use when treating animals. Students will learn the appropriate procedures to approach, handle and restrain animals in theory and also how to manage livestock in a farm environment. They will acquire a fundamental knowledge of how poor husbandry may contribute to disease. The class will be introduced to clinical cases and the correct methods in diagnosis and treatment of various animals. The characteristics and methods of anaesthetics, sutures, and treatment of all types of wounds will be described. Students will visit the zoological gardens in Dublin to see first hand the physiology of exotic animals and will learn more about some of the most exciting species on the plant including, tigers, snakes and crocodiles. This is a theory based course and suitable for students wishing to pursue a career in the sciences or veterinary medicine.

**War + Conflict**

**Session 2**

This course in War and Conflict studies will examine the main wars and conflicts of the 20th Century through the lens of three disciplines: history, international relations and international law. The origins, course and consequences of World War I, World War II and the Cold War will be explored as well as the ideologies which dominated their formation (nationalism, fascism, communism, capitalism). We will continue by examining the phenomenon of ethnopolitical conflict in Yugoslavia and the Arab-Israeli conflict and methods of conflict resolution and post-conflict state-building. On a thematic level, we will consider the relationship between war, human rights, propaganda, terrorism, the persecution of war crimes and the regulation of conflict by the international community. Throughout the course, equal emphasis will be placed on diplomatic, strategic, military and cultural perspectives and students will be stimulated by carefully selected readings, documentaries, films and role-play activities. Discussions and debates will also feature strongly. In short, this course will encourage students to explore why and how societies go to war and to examine the changing nature of conflict in the 20th century.
Frequently Asked Questions

How many places are available on the summer programme?
There are approximately 150 places in total available per session.

What certifications are received at the end of the course?
All students who complete a CAT 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. Typically courses in this programme (12-17 years) are covering first year university material. In areas such as Maths the courses may include some introductory material e.g. some algebra, which is necessary to cover in order that students can follow the core material.

How are subjects chosen for syllabus?

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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 CTYI Director and are given solely at his discretion. (Please see our Refund Policy at the back of this brochure).

Are there safe-keeping facilities available?
Residential DCU students must avail of the safe-keeping facilities that will be available for money, passports and important papers when they arrive.

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 (and a small number of optional off-campus activities such as cinema or bowling where there is an entrance charge). Residential students may keep their money in a locked safe in the site office and they will be able to access it whenever they need it. There are 3 ATMs on the DCU campus.

What sort of clothes should I bring?
Students normally wear casual clothing for classes and activities and perhaps dress up a little more for discos and the closing ceremony. 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 that if students are wearing inappropriate clothing they will be asked to change.

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**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 (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
- Residential students being absent from their room or campus residence between "lights out" and "morning call"

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 another student without their prior 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.

**Important to Note**

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

Application + Fee Deadlines

- Early Application Deadline: Friday, 27th January 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. (This fee can only be paid by debit or credit card.) The deadline for applications 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.
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.

Course Allocations: 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
Due to the fact that accommodation and catering costs have to be paid in advance by CTYI an administrative cost will be factored in to all potential 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.

Refunds are only provided where a course does not take place or where a course is full.
Refunds are not given if the student withdraws from the programme having been offered a place on one of their course choices.

The €100 Registration fee is non-refundable.
Contact Us

Dr. Colm O'Reilly  Director  01 700 5634
cyti@dcu.ie

Dr. Eleanor Healion  Academic Coordinator  01 700 8977
eleanor.healion@dcu.ie

Dr. Catriona Ledwith  Academic Coordinator  01 700 8423
catriona.ledwith@dcu.ie

Ms Orla Dunne  Residential Coordinator  01 700 7051
orla.dunne@dcu.ie

Ms Maeve Murphy  Student Applications & Fees  01 700 8482
Maeve.Murphy@dcu.ie

General Enquires  +353 1 700 5634
cyti@dcu.ie
Closing Date
7th April 2017

Early Application Deadline
27th January 2017

Balance of Fees Deadline
26th May 2017

centre for Academic Talent

Centre for Talented Youth, Ireland
Dublin City University
Dublin 9
IRELAND

Tel: 01 700 5634
ctyi@dcu.ie
www.dcu.ie/ctyi