

# 5<sup>TH</sup> Year Options Evening 2022

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# What to choose

- ▶ All subjects (Except Maths) are equally valid (points)
- ▶ Some subjects are mandatory
- ▶ Some subjects are college required (Matriculation)
- ▶ Some subjects are course requirements
- ▶ Some subjects are relevant
- ▶ Some subjects are easy / interesting / suited

# Subjects offered within Chanel

- ▶ Irish
- ▶ English
- ▶ Maths
- ▶ French/Spanish
- ▶ Biology/Physics/Chemistry
- ▶ Business/Accounting
- ▶ Economics
- ▶ History/Geography
- ▶ Construction Studies/ Design & Communication Graphics
- ▶ Art
- ▶ Leaving Cert PE
- ▶ Leaving Cert Computer Science

# How Many?



MAXIMUM IS 7  
SUBJECTS



MINIMUM IS 6  
SUBJECTS



RECOMMENDED  
IS 7

## Matriculation

- ▶ All NUI's (UCC, UCD, Maynooth, Galway, RCSI, NCAD) require a third language for entry

Except for Science, required for all healthcare related degrees, some sports degrees and all Science degrees

NCAD will accept Art instead of a third language

# Maths

- ▶ IS ESSENTIAL FOR;
- ▶ Entry for almost all colleges

Science, Engineering, Business, Medicine, Paramedical, Nursing and Psychology and for all courses in the Institute of Technology

**Foundation level** is accepted as general entry in many universities, but no points are awarded and it will not suffice for meeting course requirement.

# English

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- ▶ Is essential for;

Entry to almost all colleges. Higher English is required for Journalism (HB in DCU, HC in DIT), communications and media arts in DIT and Maynooth

## Irish

- ▶ Is essential for;

All NUI colleges – exemptions must be stated on CAO and colleges will then contact the student directly

Primary teaching (HC), Degrees through Irish,



# Third language

▶ Essential for

Entry to all NUI colleges and courses that require language as part of course.

IN TCD, UL, and DCU, it is essential to have a language (Irish will suffice) other than English.

NCAD (art instead of third language), Nursing (any other subject instead)

# Science subjects

## **Biology, Physics, Chemistry**

- ▶ Medicine x 2 (can include higher maths instead of physics)
- ▶ Nursing / midwifery / OT / radiography x 1
- ▶ Science x 2 TCD (can include higher / app maths / geography)
- ▶ Science x 1 UCD
- ▶ Dentistry x 2 (can include higher maths instead of physics)
- ▶ Pharmacy,
- ▶ Physiotherapy x 2 (can include higher maths)
- ▶ Veterinary courses x Chemistry + other matric.
- ▶ Engineering (UCD) need chemistry / physics
- ▶ Dietetics (DIT) need chemistry

Usually implies HC3

# Leaving Certificate PE

## ▶ Who is it aimed at??

LCPE is designed to appeal to a broad range of learners, whether they excel in sport or have a keen interest in physical activity and sport either as a performer and/or as a coach/ choreographer.

Ideally participants are involved in some sort of physical activity or sport outside of school.

**LCPE is not the same as your weekly double PE. There is a strong theoretical scientific element to this subject!**

# Leaving Certificate PE

## ▶ Assessment 3 Elements

### ▶ Physical Activity Project (PAP) - 20%

This is where students analyse their own performance in a chosen activity. (use of video)

### ▶ Performance Assessment (PA) - 30%

Compile a video of your best performance in one of the three physical activities studied

### ▶ Terminal Exam - 50%

Higher & Ordinary level Conducted with traditional exams in June of 6th Yr

# LCPE – Course Structure

The specification is presented in two strands. In strand 1, students learn about different theoretical perspectives that impact on optimum performance and how to apply this understanding to a range of different activities. In strand 2, students learn about contemporary issues in physical activity and how different people experience physical activity and sport.

| <b>STRAND 1</b><br><b>Towards optimum performance</b>   | <b>STRAND 2</b><br><b>Contemporary issues in physical activity</b>   |
|---|--|
| <ol style="list-style-type: none"><li>1. Learning and improving skill and technique</li><li>2. Physical and psychological demands of performance</li><li>3. Structures, strategies, roles and conventions</li><li>4. Planning for optimum performance</li></ol> | <ol style="list-style-type: none"><li>5. Promoting physical activity</li><li>6. Ethics and fair play</li></ol> <p><i>In addition, two of the following topics will be prescribed each year:</i></p> <ol style="list-style-type: none"><li>7. Physical activity and inclusion</li><li>8. Technology, media and sport</li><li>9. Gender and physical activity</li><li>10. Business and enterprise in physical activity and sport</li></ol> |

# Leaving Cert Computer Science

- ❖ The study of algorithms and programming, and the impact of computers on society.
- ❖ It has its roots in design, engineering, maths, psychology and human creativity.
- ❖ Computer Science seeks creative ways to solve problems and evaluate solutions.
- ❖ It is about finding automated solutions to almost any problem you can imagine.

# Course Structure

## Strand 1: Practices and principles

- ▶ Computers and society
- ▶ Computational thinking
- ▶ Design and development

## Strand 2: Core concepts

- ▶ Abstraction
- ▶ Algorithms
- ▶ Computer systems
- ▶ Data
- ▶ Evaluation/Testing

## Strand 3: Computer science in practice

- ▶ Applied learning task 1
  - Interactive information systems
- ▶ Applied learning task 2 - Analytics
- ▶ Applied learning task 3
  - Modelling and simulation
- ▶ Applied learning task 4
  - Embedded systems

# Assessment

End of course examination – 70%

1. Section A - Short Answer Questions
2. Section B - Long Answer Questions
3. Section C - Programming (Computer based)

Coursework Assessment – 30%

1. One computational artefact with report
  - i. Released by SEC in January of 6<sup>th</sup> Year
  - ii. 8 week timeframe for completion
  - iii. Submitted Electronically
  - iv. Similar layout to ALT tasks – 2/4 ALT Tasks





# In summary!

Choose

Choose subjects you are good at and enjoy!

Choose

Choose subjects you will need for your chosen university route

Choose

Choose subjects you are interested in and are willing to work at

Choose

Choose subjects that will gain you sufficient points or the basic grades required.

# Making up your career mind!



What subjects do I enjoy



What subjects am I good at



Aptitude tests / interest inventories



Work experience



Ruling out!!



Research



Work experience – especially for UCAS applicants

## LCVP – What is it

- ▶ The primary goal of the LCVP is to prepare young people for adult life by ensuring that they are educated in the broadest sense, with an ability to cope and thrive in an environment of rapid change
- ▶ It is an excellent way to boost points and 9 out of 10 students that take it use it to increase their points and get in 3<sup>rd</sup> level

# CAO process

- ▶ Begin research now
- ▶ Convert points from all exams
- ▶ Goals – short and long term
- ▶ Art applicants need to work on portfolio – restricted courses #
- ▶ Hpat students advised to take Hpat in 5<sup>th</sup> year and 6<sup>th</sup> year

# UCAS

- ▶ University and College Application System
- ▶ First deadline is 15<sup>th</sup> October (6<sup>th</sup> year)– for Oxbridge and medicine, dentistry and veterinary
- ▶ Work experience is crucial for these courses

15<sup>th</sup> January is deadline for all other courses

Recommend to apply early, from September 1st!!

Predicted grades so work from now!

# 2009 Points change 2022

- ▶ Science: 440 (TCD), 385 (UCD), 360 (DCU)
- ▶ Business: 475 (TCD), 450 (UCD), 425 (DCU), 410 (DIT)
- ▶ Engineering: 410 – 365
- ▶ Arts: 440 – 555
- ▶ Architecture: 505 UCD
- ▶ Science: 550 (TCD), 556 (UCD), 537 (DCU)
- ▶ Business: 570 (TCD), 547 (UCD), 510 (DCU), 430 (DIT)
- ▶ Engineering: 528 – 380
- ▶ Arts: 325 – 555
- ▶ Architecture 525 (plus interview)

| Current Grading System | % Marks |        | New Grading System |
|------------------------|---------|--------|--------------------|
| A1                     | 90-100  | 90-100 | H1 / O1            |
| A2                     | 85<90   | 80-89  | H2 / O2            |
| B1                     | 80<85   |        |                    |
| B2                     | 75<80   | 70-79  | H3 / O3            |
| B3                     | 70<75   |        |                    |
| C1                     | 65<70   | 60-69  | H4 / O4            |
| C2                     | 60<65   |        |                    |
| C3                     | 55<60   | 50-59  | H5 / O5            |
| D1                     | 50<55   |        |                    |
| D2                     | 45<50   | 40-49  | H6 / O6            |
| D3                     | 40<45   |        |                    |
| E                      | 25<40   | 30-39  | H7 / O7            |
| F                      | 10<25   | 0-29   | H8 / O8            |
| NG                     | 0<10    |        |                    |

# New Leaving Cert Points System

# Health Professional Aptitude Test - HPAT

- ▶ Can be taken more than once and best score can be used
- ▶ 3 sections;

**Section 1** tests your *logical reasoning and problem solving skills*. This section is designed to test how fast you can interpret information and your ability to think in various ways.

**Section 2** tests your ability to *understand people*. You will be given various passages or scenarios describing people and interactions, this section is about empathy

**Section 3** tests your *non-verbal reasoning*. This involves finding patterns and trends in a sequence or block of pictures. It tests your ability to think non-verbally



# HPAT Facts



Maximum score in HPAT is 300, this year score ranged from 71 – 230



Maximum acceptable score in LC is 480



There are 480 places on offer from 5 medical schools, student must score above the 80<sup>th</sup> %ile to be in top 500.



One student who scored in the 84<sup>th</sup> %ile (top 16%) did not receive a place



Test takes 2 hours 30 minutes

# Breakdown

- ▶ A student adds the 1<sup>st</sup> 550 points from their leaving certificate points
- ▶ For every 5 points over this they add 1 point, e.g. if they score 570 points, they get  $550 + 4$
- ▶ They add this is the Hpat score, e.g.  $225 + 550 + 4 = 779$ .
- ▶ Increase in male places from previous years.

# Alternative Routes



Medicine / Physiotherapy  
– Science 325 – 425 points,  
then post graduate  
programme



Law – variety of degrees  
for Blackhall place. For  
Kings Inn law is ideal – or 2  
years diploma req. (arts,  
private colleges)



Business / Marketing –  
entry at level 6 / 7 (330) in  
DIT and progress through  
to level 8 (410\*)



FETAC route – many linked  
programmes, nursing, art,  
business, social science,  
science

# Ideal scenario!

- ▶ In August 2024 (!!!) students should have many options – including
- ▶ Level 8 honours degree
- ▶ Level 6 /7 ordinary degree
- ▶ Fetac (back up) course

