



UCD Registry
Student Desk & Records

Tierney Building
University College Dublin
Belfield, Dublin 4, Ireland
T: +353 1 716 1555
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Clárann UCD
Deasc na Mac Léinn & Taifid

Aras Uí Thiarnaigh
An Coláiste Ollscoille Baile Atha Cliath
Belfield, Baile Atha Cliath 4, Eire

ACADEMIC TRANSCRIPT

Ciaran Michael Kenny

Student Number: 05653363

Date of Birth: 17th July 1988

This is to certify that the above student registered for a programme of study leading to the Bachelor of Science (240 Credits)

Qualification and Award

Qualification: Bachelor of Science
Baccalaureatus Scientiae
NFQ Level: Level 8
Major: Theoretical Physics
Award Status: Completed
Award Date: 17th June 2009
Award GPA: 4.12
Award: First Class Honours
Conferring Date: 2nd December 2009

Module and Assessment Outcomes

Academic Year	Module	Credits Attempted	Credits Earned	Grade	Grade Points
2008/09 Semester 2					
MAPH40070	Environmental Fluids	5.0	5.0	A+	4.2
MAPH40080	Advanced Computational Science	5.0	5.0	A+	4.2
PHYC30090	Nuclear Physics	5.0	5.0	A+	4.2
PHYC40010	Advanced Quantum Mechanics	5.0	5.0	A+	4.2
PHYC40120	General Relativity & Cosmology	5.0	5.0	A+	4.2
PHYC40260	Projects in Theoretical Physics	5.0	5.0	A+	4.2
2008/09 Semester 1					
MAPH40010	Electrodynamics & Gauge Theory	5.0	5.0	A+	4.2
MAPH40090	Differential Geometry for Relativity	5.0	5.0	A+	4.2
MAPH40430	Operators on Hilbert Spaces	5.0	5.0	A+	4.2
PHYC40020	Applied Quantum Mechanics	5.0	5.0	A+	4.2



Module and Assessment Outcomes (continued)

Academic Year	Module	Credits Attempted	Credits Earned	Grade	Grade Points
	PHYC40080	5.0	5.0	B-	3.2
	PHYC40360	5.0	5.0	A+	4.2
2007/08 Semester 2					
	MAPH30200	5.0	5.0	A+	4.2
	MAPH30210	5.0	5.0	A+	4.2
	MATH30040	5.0	5.0	A+	4.2
	MST30070	5.0	5.0	A+	4.2
	PHYC30070	5.0	5.0	A+	4.2
	PHYC30200	5.0	5.0	B+	3.6
2007/08 Semester 1					
	MAPH30220	5.0	5.0	A+	4.2
	MAPH30240	5.0	5.0	A+	4.2
	PHYC30010	5.0	5.0	A+	4.2
	PHYC30030	5.0	5.0	A+	4.2
	PHYC30100	5.0	5.0	A-	3.8
	PHYC30190	5.0	5.0	B+	3.6
2006/07 Semester 2					
	MAPH20010	5.0	5.0	A+	4.2
	MAPH20090	5.0	5.0	A+	4.2
	MATH20160	5.0	5.0	A+	4.2
	MATH20170	5.0	5.0	B+	3.6
	PHYC20030	5.0	5.0	A+	4.2
	PHYC20040	5.0	5.0	A+	4.2
2006/07 Semester 1					
	MAPH20080	5.0	5.0	A-	3.8
	MAPH20150	5.0	5.0	A+	4.2
	MATH20050	5.0	5.0	A	4.0
	MATH20060	5.0	5.0	A+	4.2
	PHYC20010	5.0	5.0	A+	4.2
	PHYC20020	5.0	5.0	A+	4.2
2005/06 Semester 2					
	COMP10020	5.0	5.0	A+	4.2
	COMP10040	5.0	5.0	A+	4.2
	EXPH10060	5.0	5.0	A+	4.2
	EXPH10080	5.0	5.0	A	4.0
	MAPH10020	5.0	5.0	A+	4.2
	MAPH10030	5.0	5.0	A+	4.2
	MATH10060	5.0	5.0	A-	3.8



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Module and Assessment Outcomes (continued)

Academic Year	Module	Credits Attempted	Credits Earned	Grade	Grade Points
2005/06 Semester 1					
COMP10010	Introduction to Programming I	5.0	5.0	A+	4.2
EXPH10050	Astronomy & Space Science	5.0	5.0	A	4.0
EXPH10070	Physics of the Universe	5.0	5.0	A+	4.2
MAPH10010	Mathematical Modelling I	5.0	5.0	B	3.4
MATH10040	Numbers & Functions	5.0	5.0	A+	4.2
MATH10050	Linear Algebra & Geometry	5.0	5.0	A+	4.2

Stage Grade Point Averages

Stage	GPA	Credits
Stage 4	4.12	60.0
Stage 3	4.07	60.0
Stage 2	4.10	60.0
Stage 1	4.13	60.0

UCD Scholarships and Awards

BSc (Theoretical Physics) Stage 4 Scholarship

Academic Session

Awarded for 2007/2008 Academic Session

Signed

Professor Mark Rogers
Registrar and Deputy President

To verify this document, go to www.ucd.ie/verify and enter
Student/Staff ID: 05653363 & Document ID: E5060AE1FD3FB0BC



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Appendix of Definitions and Guides

Module Grade Scales

		Grades
Standard	Excellent	A+, A, A-
	Very Good	B+, B, B-
	Good	C+, C, C-
	Acceptable	D+, D, D-
	Fail	E, F, G
	No Grade	NG
Non Standard	Audit. No Credit Awarded	AU
	Distinction	DS
	Pass	P
	Pass by Compensation	PC
	Non Module Credits	XG
	No Work	NW
	Withdrawn (Future sittings may or may not have the grade point capped - see Regulations)	W
	Incomplete	I, IX, IP

Qualification and Award Classification

GPA: Grade Point Average

The award GPA is the average grade earned by a student, calculated by dividing the the grade point of the applicable modules (determined by the programme) by the number of credits earned for those modules. The GPA Range is 0 - 4.2

The level of award is determined with reference to the following GPA scale:

GPA	Award
3.68 to 4.20	First Class Honours
3.08 to 3.67	Second Class Honours, Grade 1
2.48 to 3.07	Second Class Honours, Grade 2
2.00 to 2.47	Pass

Stages and Credits

A student will progress through a programme in stages. Completion of each stage normally requires the successful accumulation of credits specified for each programme.

Programme specifications define the credit requirements of each stage of a programme, and will specify the range of modules which must, or may, be taken in order to satisfy these credit requirements.

1 Credit is equivalent to 1 ECTS credit and is associated with 20-25 hours of learning.



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For further information see:

<http://www.ucd.ie/registry/academicsecretariat/asug/>

National Framework of Qualifications (NFQ)

The National Framework of Qualifications was established in 2003 and provides a structure to facilitate the comparison of qualifications within Ireland. The Framework categories awards as either Major, Minor, Special Purpose or Supplemental. Universities generally make awards between NFQ levels 8 - 10 as follows (with Minor and Special Purpose awards may be awarded at level 7 such as University Certificates and Diplomas)

UCD Major Award	NFQ Level
Honours Bachelor Degree Awards / Higher Diplomas	Level 8
Masters Degree Awards / Graduate Diplomas	Level 9
Doctoral Degree Awards	Level 10