

University of Southampton

This is to certify that on

26 June 2009

HUGO ALISTAIR DAY

was awarded the degree of

MASTER OF PHYSICS

with First Class Honours

Vice-Chancellor



Registrar and Chief
Operating Officer

University of Southampton

Diploma Supplement



Section 1 Information identifying the Holder of the Qualification

Student Name Hugo Alistair Day
Date of Birth 31 October 1986
Student ID 20938373
HESA ID 0000050291762

Section 2 Information identifying the Qualification

Qualification Achieved

Master of Physics

Classification

with First Class Honours

Date Awarded

26 June 2009

Date of Admission

1 August 2005

Date of Leaving

26 June 2009

Awarding Institution

University of Southampton

Teaching Campus

Southampton campuses

Language of Instruction

English

Section 3 Information on the Level of Qualification

Programme Level

Undergraduate

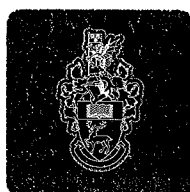
Length of Programme

4 Years

Mode of Study

Full Time

Vice-Chancellor



Registrar and Chief
Operating Officer

Understanding this document

This Diploma Supplement was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient data to improve the international transparency and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgements, equivalence statements or suggestions about recognition.

The information given overleaf is provided by the University[#], under the terms of the Data Protection Act 1998, from its student administration system as the academic and identifying personal information recorded for the student named. It is issued with an explanatory document, 'The University of Southampton Explanatory Notes on the Diploma Supplement'^{##}, and, when read together, it constitutes a full Diploma Supplement.

The Diploma Supplement is divided into the following eight sections: section one, information identifying the holder of the qualification; section two, information identifying the qualification; section three, information on the level of the qualification; section four, information on the content of the qualification and the results gained; section five, information on the function of the qualification; section six, additional information; section seven, certification of the Diploma Supplement and section eight, a summary and description of the UK Higher Education and Training System. Sections on this document are numbered appropriately to correspond with this convention. Sections six and eight, and aspects of sections three, four and five, are continued in the explanatory document.

The University issues its full Diploma Supplement solely to students who completed the requirements for the award of one of its degrees or other qualifications in or after the academic year 2008-09^{###}. The transcript information alone is provided to students who completed studies before 2008 or who have undertaken studies which did not lead to the award of a degree or other qualification by the University.

A transcript is an authoritative and official record of a learner's programme of study to date, the grades they have achieved and the credit they have gained. Neither the Diploma Supplement nor the transcript is proof of an Award from the University.

The University's programmes of study leading to the award of a named degree or other qualification comprise the study of modules. A module is a self-contained unit of teaching, learning and assessment. Each module has a credit weighting based upon the proportion of time that students are expected to devote to the module. The University uses a credit point system compatible with the QAA Higher Education Credit Framework for England: Guidance on Academic Credit Arrangements in Higher Education in England, August 2008. The European Credit Transfer Scheme (ECTS) has been developed by the European Commission. This is a system based on ECTS credits (student workload), designed to facilitate mobility, credit accumulation and transfer and the international recognition of periods of study completed abroad. Occasionally students may accumulate credits at other institutions. This University will represent the marks achieved for those credits on this document. The modules taken outside of the University can be clearly identified by the last 3 digits of the module (e.g. BIOL1999). The language competency levels used by the University are informed by the Council of Europe's Common Framework of Reference. Modules are assigned levels, represented on this document with the following values and meanings:

0	Level 3 (Foundation level)	6	Level 7 (Master)
1	Level 4 (Certificate of Higher Education level)	7	Level 7 (Master of Philosophy)
2	Level 5 (Diploma of Higher Education level)	8	Level 8 (Doctorate)
3	Level 6 (Bachelor including Advanced Diploma in Nursing)	L1-L7	Language competency levels 1-7

The modules and credits studied in each programme year are set out in the individual programme specification as published.

All the module outcomes obtained by a student are represented on this document. The module outcome is represented by a mark. Numerical marks are shown in the University's 0-100 scale. Non numerical marks are shown on a scale of A, B, C, D, E, F. The letter P denotes a Pass and the letter F denotes a Fail, where the module is being marked on a pass/fail basis. Where P is used as postscript to a numerical mark it denotes that the module has been passed, even though the mark appears to be below the module pass mark. Where F is used as postscript to a numerical mark it denotes that the module has been failed, even though the mark appears to be above the module pass mark. The notation 'AU' indicates that the module was audited: this means that the student attended the teaching, but assessment was not taken for any credit. The notation 'AUAB' indicates authorised absence from the assessment of the module. Each mark printed on this document is accompanied by relevant mark code. The code denotes as follows:

OE – Original Entry;	recording the student's original achievement in the first attempt at the module assessment
RE – Referral;	recording the student's achievement in the referral sitting of a module when the original achievement was not a pass
CR – Capped mark;	recording the level at which the student's mark was capped following referral, according to the regulations used for progression and in the classification of Award
OM – Original Mark;	recording the student's achievement when taking a referral as if for the first time according to the regulations used in progression and in the classification of Award

If you have queries about the information contained within this Diploma Supplement, please contact the Exams and Awards Office, by post at: Student Administration and Registry, University of Southampton, Highfield, Southampton, SO17 1BJ, or by e-mail at: certificates@southampton.ac.uk or telephone on: 0044 (0)23 8059 5922.

[#] or one of its accredited colleges or affiliated institutions
^{##} available from the University website www.southampton.ac.uk
^{###} it is issued to BM students who complete in or after the academic year 2011-12

University of Southampton Diploma Supplement



Student Name Hugo Alistair Day
Student ID 20938373

HESA ID 0000050291762

Section 4 Programme Outcomes and Results Gained

2005/06		Level	UK Credits	ECTS	Code	Mark
MATH1006	Intro to Mathematical Methods	1	15	7.5	OE	90
MATH1007	Mathematical Meths for PhysSci	1	15	7.5	OE	89
PHYS1005	Intro to Astronomy & Space Sci	1	15	7.5	OE	63
PHYS1008	Physics of the Solar System	1	15	7.5	OE	81
PHYS1011	Wave, Light and Quanta	1	10	5	OE	82
PHYS1013	Energy and Matter	1	10	5	OE	82
PHYS1015	Motion and Relativity	1	10	5	OE	78
PHYS1017	Physics Skills 1	1	10	5	OE	73
PHYS1019	Physics Skills 2	1	10	5	OE	72
PHYS1022	Electricity and Magnetism	1	10	5	OE	70
2006/07		Level	UK Credits	ECTS	Code	Mark
MATH2009	Vector Calculus & Apps	2	15	7.5	OE	70
MATH2015	Mathematical Meths for Scientist	2	15	7.5	OE	79
PHYS2001	Electromagnetism	2	15	7.5	OE	79
PHYS2003	Quantum Physics	2	15	7.5	OE	81
PHYS2006	Classical Mechanics	2	15	7.5	OE	80
PHYS2022	Physics from Evidence I	2	15	7.5	OE	78
PHYS2023	Wave Physics	2	15	7.5	OE	62
PHYS2024	Quantum Physics of Matter	2	15	7.5	OE	84
2007/08		Level	UK Credits	ECTS	Code	Mark
MATH3006	Relativity, Blackholes & Cosmol	3	15	7.5	OE	66
MATH3072	Biological Fluid Dynamics	3	15	7.5	OE	74
PHYS3002	Nuclei & Particles	3	15	7.5	OE	68
PHYS3004	Crystalline Solids	3	15	7.5	OE	68
PHYS3007	Theories of Matter, Space & Time	3	15	7.5	OE	82
PHYS3008	Atomic Physics	3	15	7.5	OE	71
PHYS6008	Physics from Evidence II	6	15	7.5	OE	67
PHYS6009	Dissertation	6	15	7.5	OE	73

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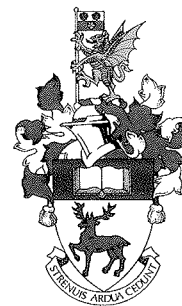
Vice-Chancellor



Registrar and Chief
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Section 4 Programme Outcomes and Results Gained

2008/09		Level	UK Credits	ECTS	Code	Mark
PHYS6003	Advanced Quantum Physics	4	15	7.5	OE	72
PHYS6006	MPhys Project	4	30	15	OE	77
SESA6028	Turbulence I: Phys & Meas	4	10	5	OE	48
MATH6107	Gravitational Waves	6	15	7.5	OE	70
PHYS6011	Particle Physics	6	15	7.5	OE	63
PHYS6015	MPhys Final Year Synoptic Exam	6	15	7.5	OE	74
PHYS6017	Computer Techniques in Physics	6	15	7.5	OE	67
FREN9001	French Lang St 2 (single unit)	L2	15	7.5	OE	76

Date Printed | 14 July 2009

Section 5 Information on the function of the Qualification

No Professional Registration statement recorded.

Vice-Chancellor



Registrar and Chief
Operating Officer