



UNIVERSITY OF
OXFORD

Physics at Oxford

“The prestige of the university was clearly important but I was particularly impressed by the breadth the course offered”

(Rosie Batty, student)

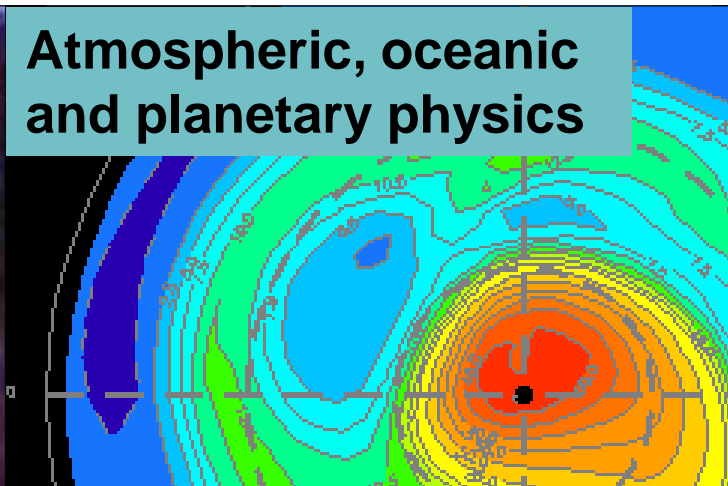


Physics at Oxford

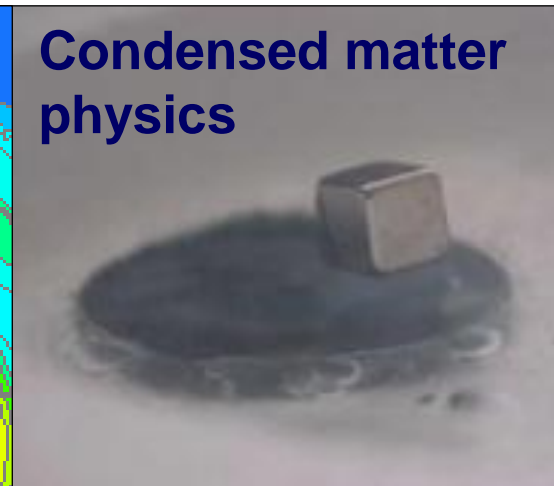
Six sub-departments covering most areas of Physics research



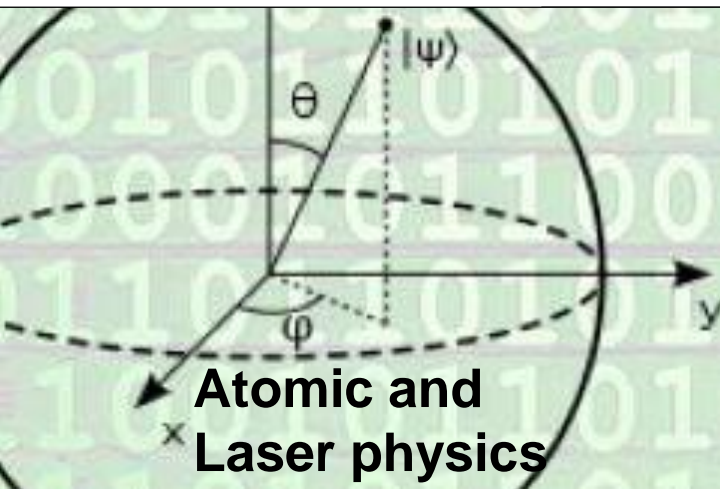
Astrophysics



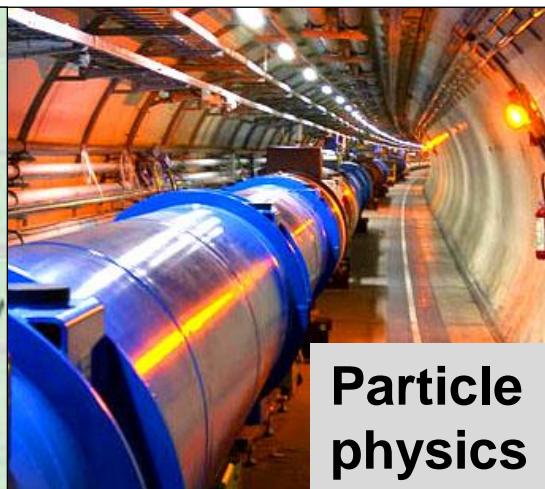
Atmospheric, oceanic and planetary physics



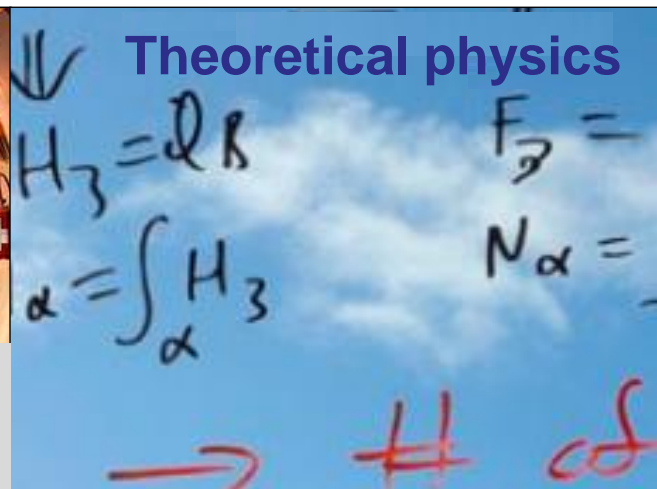
Condensed matter physics



Atomic and Laser physics



Particle physics

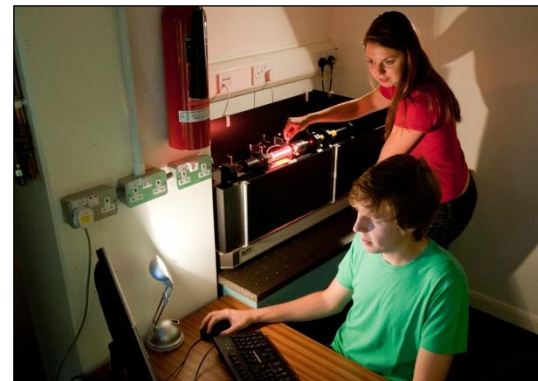


Theoretical physics



UNIVERSITY OF
OXFORD

Undergraduate courses



“An unmatched opportunity to be tutored by the leading experts in your field” (Deyan, student)



Why Physics at Oxford?

Top ranking university - graduate prospects

180 undergraduates - one of the largest in the UK



Physics degree courses:

BA: Physics 3 years

MPhys: Physics 4 years

Joint course:

MPhysPhil: Physics & Philosophy 4 years

A broad curriculum - covers all areas of physics

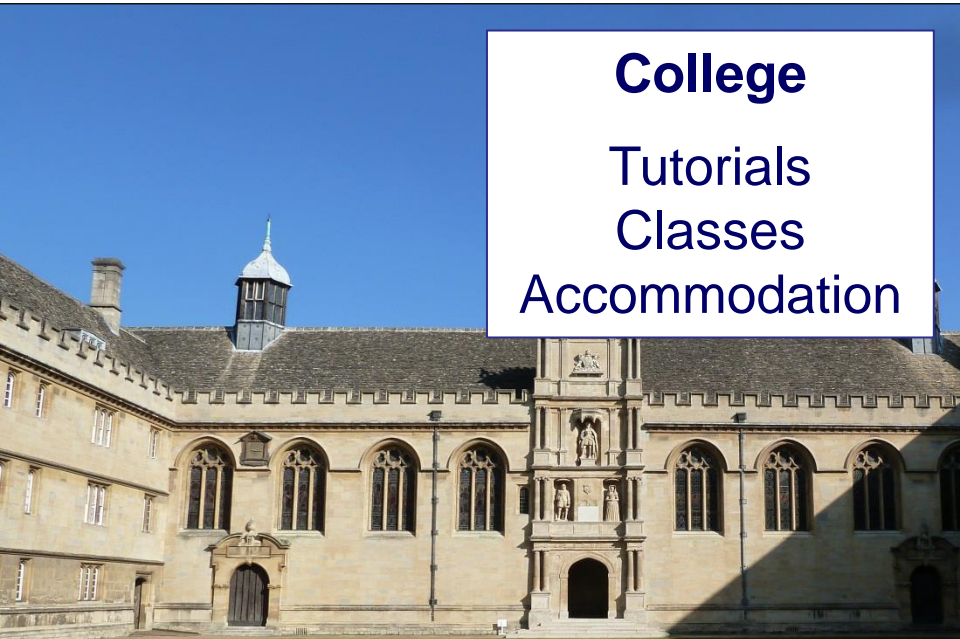
Mathematically based approach

Stretching and challenging

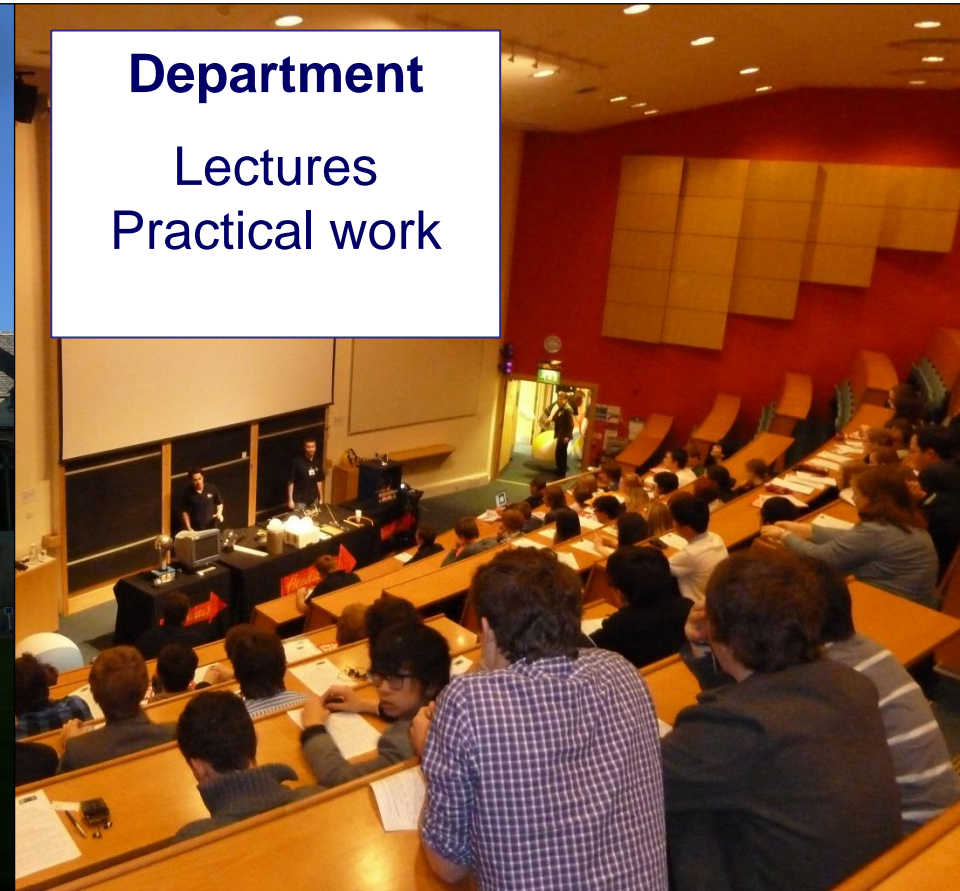
The Department and Colleges

There are 30 undergraduate colleges

The college to which you apply is not necessarily where you will end up



College
Tutorials
Classes
Accommodation



Department
Lectures
Practical work



Year 1, Year 2 and Year 3 Compulsory courses

Year 1

Four compulsory courses:

Mechanics & Special Relativity
Electromagnetism, Optics & Circuit Theory

Two maths courses covering:
Vectors, matrices, complex numbers, calculus & wave motion

Year 2

Three compulsory courses:

Thermal Physics
Electromagnetism & Optics
Quantum Physics

Year 3

Four compulsory courses
(BA)

OR

All six compulsory courses
(MPhys)

Flows, Fluctuations & Complexity
Symmetry & Relativity
Quantum, Atomic & Molecular Physics
Sub-Atomic Physics
General Relativity & Cosmology
Condensed-Matter Physics



Optional units

Optional units

Advanced Quantum Mechanics

Astrophysics: from Planets to the
Cosmos

Classical Mechanics

Complex Variables

Energy Studies

Financial Physics

Functions of a Complex Variable

Introduction to Biological Physics

Medical and Health Physics

Particle Accelerator Science

Plasma Physics

Physics of Climate Change

Quantum Ideas

Stars and Galaxies

Teaching & Learning Physics in Schools

From other Departments

History of Science

Language Option

Philosophy of Quantum Mechanics

Philosophy of Science

Philosophy of Space-Time





Physics Year 4: MPhys

Major Options

Two courses from:

Astrophysics

Biological Physics

Condensed Matter Physics

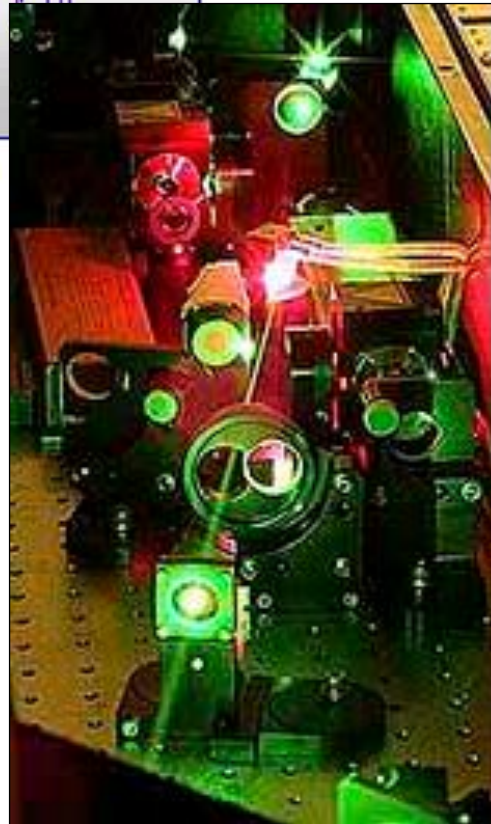
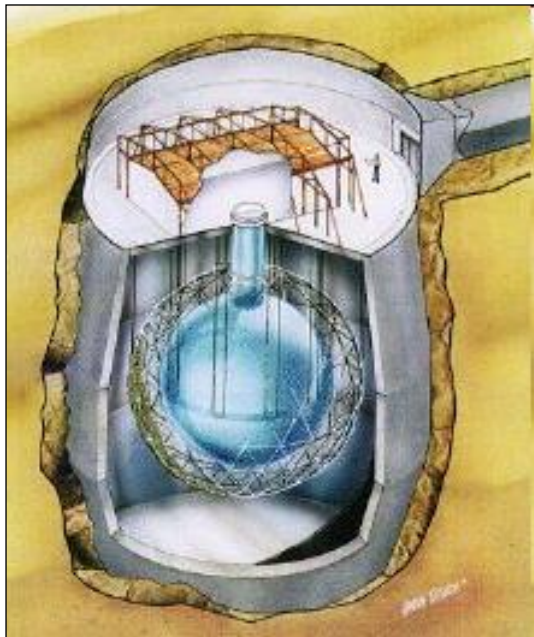
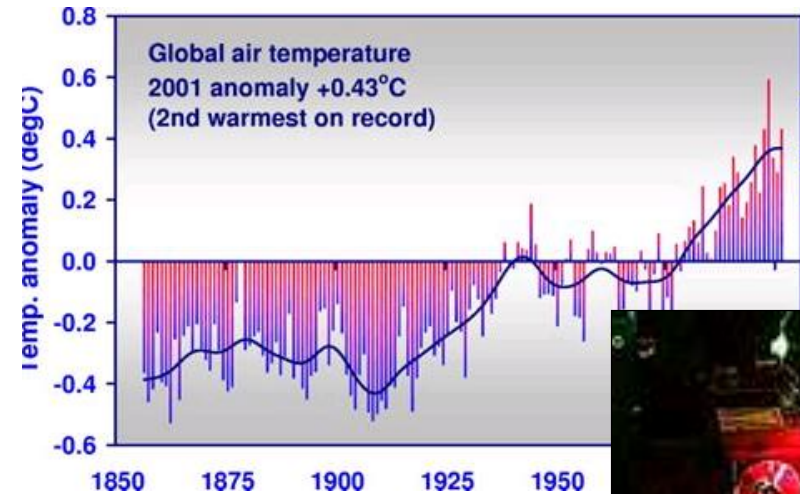
**Laser Science and Quantum
Information Processing**

Particle Physics

**Physics of Oceans and
Atmospheres**

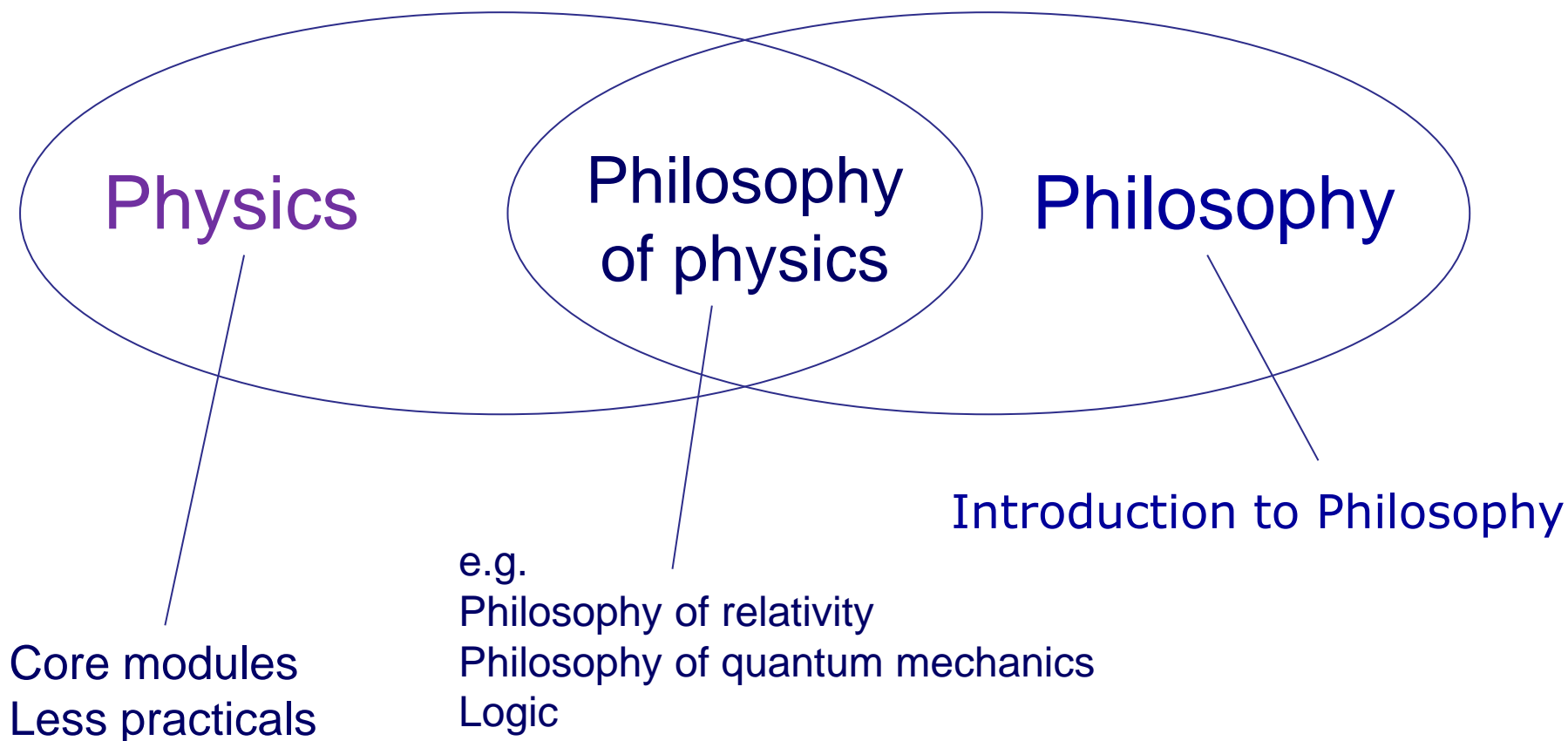
Theoretical Physics

PROJECT





Physics and Philosophy



Specialise in the 4th year

*“If you want to know everything there is to know about ‘the universe’,
Physics and Philosophy is a good place to start” (Áron Pólos, student)*

Admissions

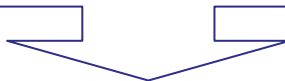




Admissions process

UCAS application

15th October 2013



~1000



Admissions process

UCAS application

15th October 2013

~1000

A* A A

Physics and Maths

Other qualifications are also welcome



Admissions process

UCAS application

15th October 2013

~1000

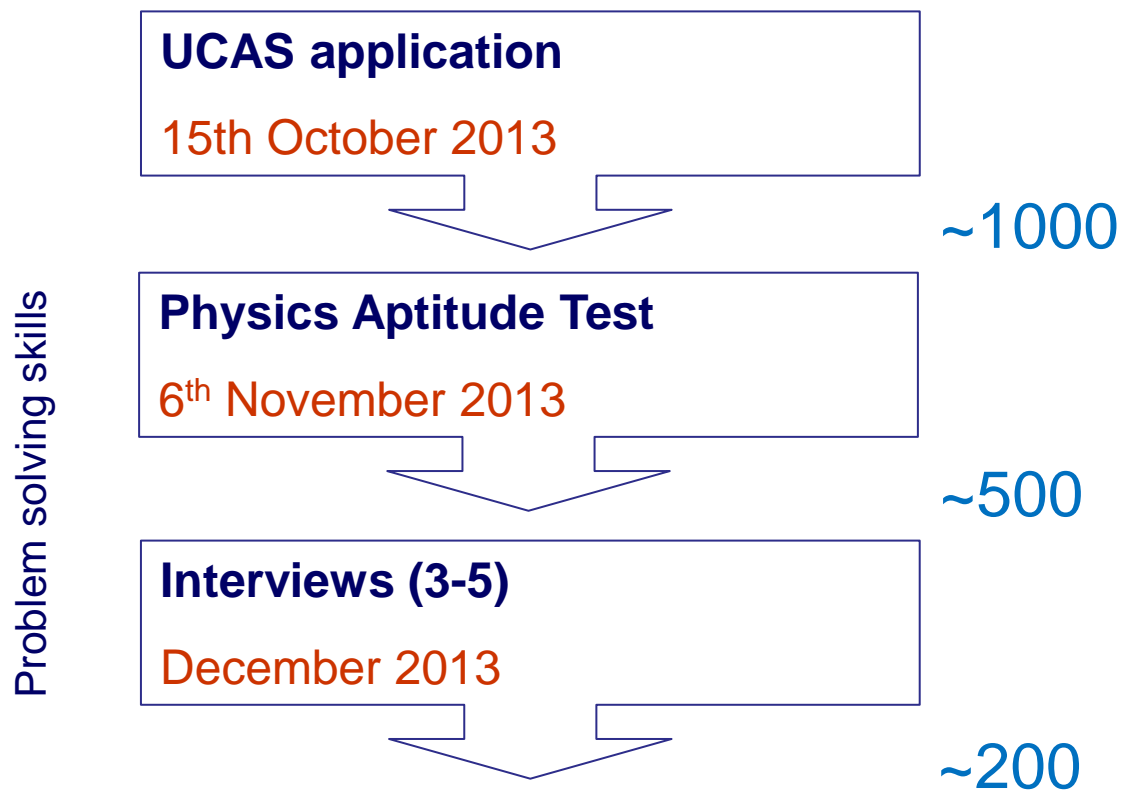
Physics Aptitude Test

6th November 2013

~500

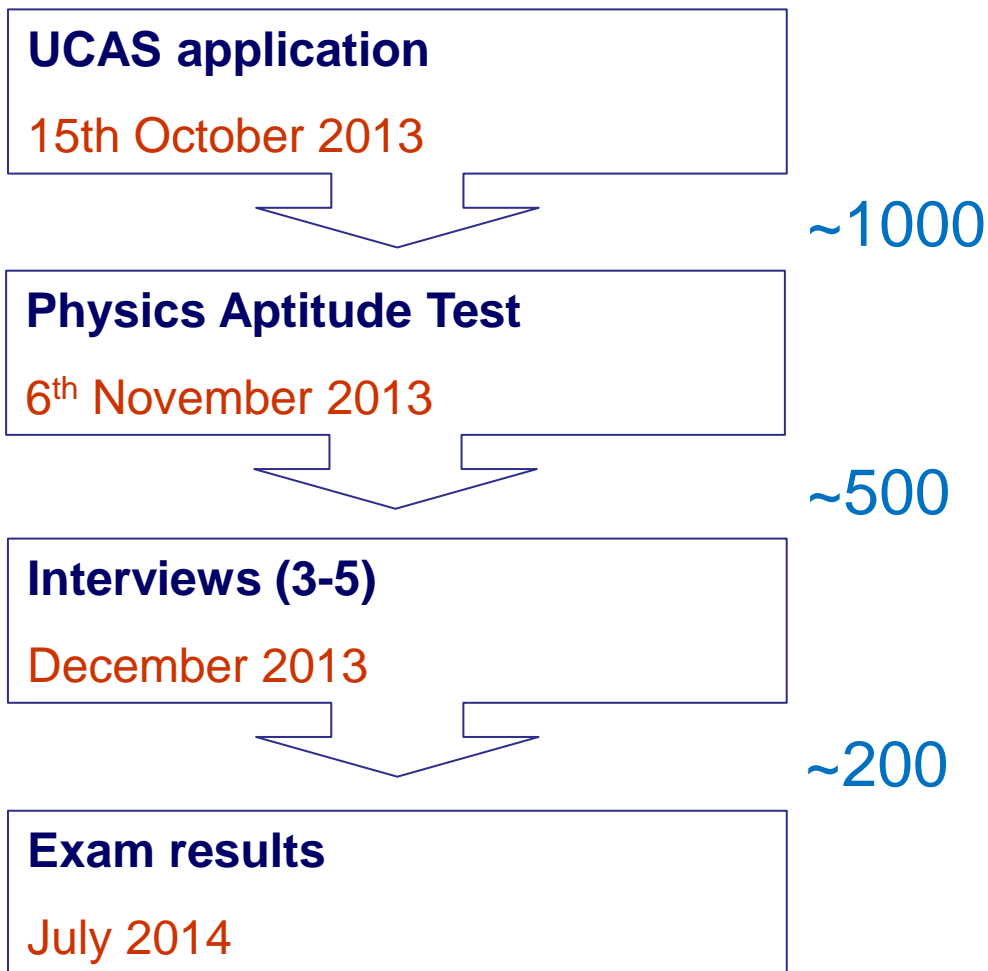


Admissions process





Admissions process





UNIVERSITY OF
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Student finance





Costs and Sources of Funds

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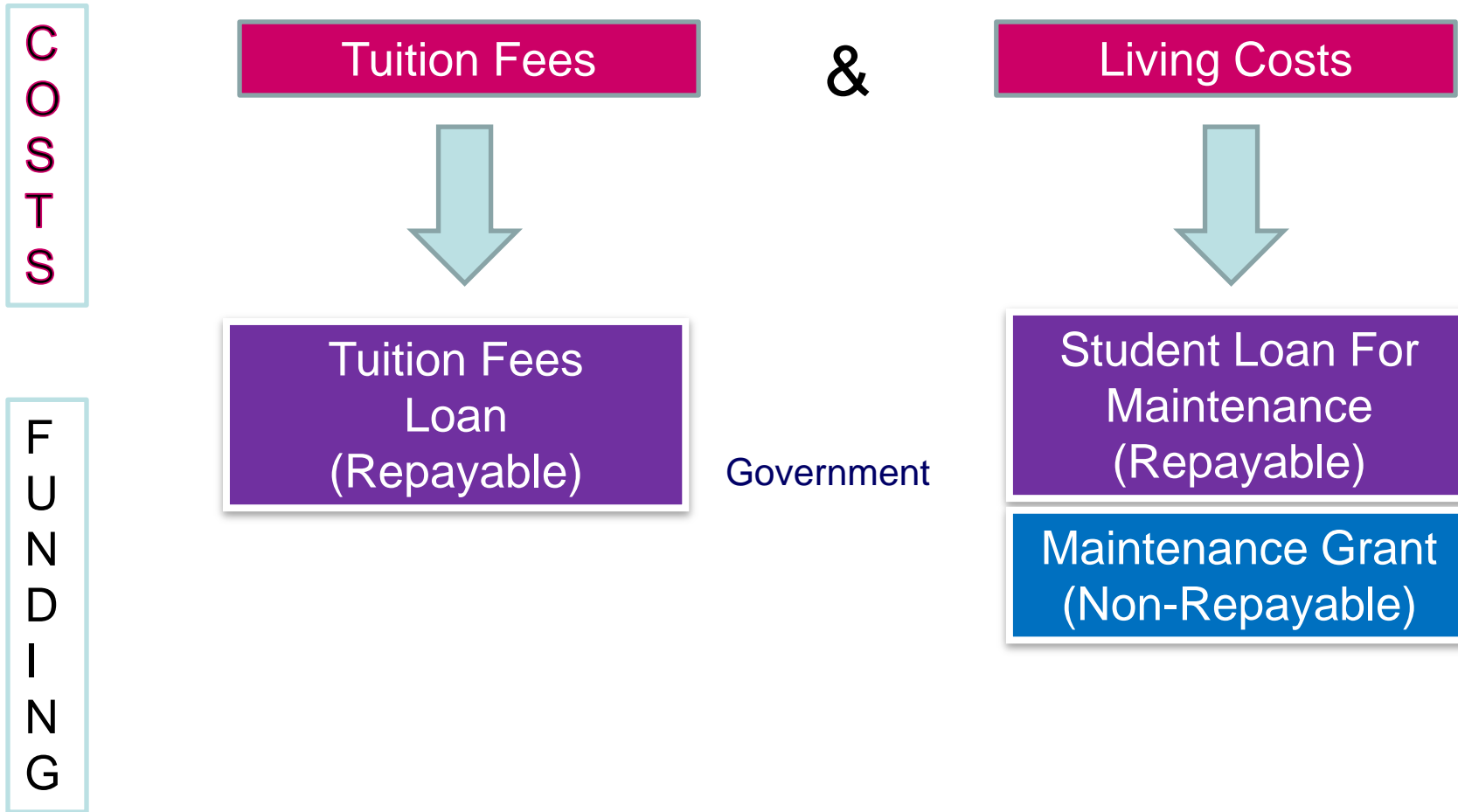
Tuition Fees

&

Living Costs



Costs and Sources of Funds





Government Support: Repayment

Income each year before tax	Approximate monthly repayment
£18,000	£0
£21,000	£0
£24,000	£23
£30,000	£68
£40,000	£143



Costs and Sources of Funds

C
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Tuition Fees

&

Living Costs



Tuition Fees
Loan
(Repayable)

Government

Student Loan For
Maintenance
(Repayable)

Maintenance Grant
(Non-Repayable)

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To get your money in time for the start of the 2013 to 2014 academic year you must apply by:

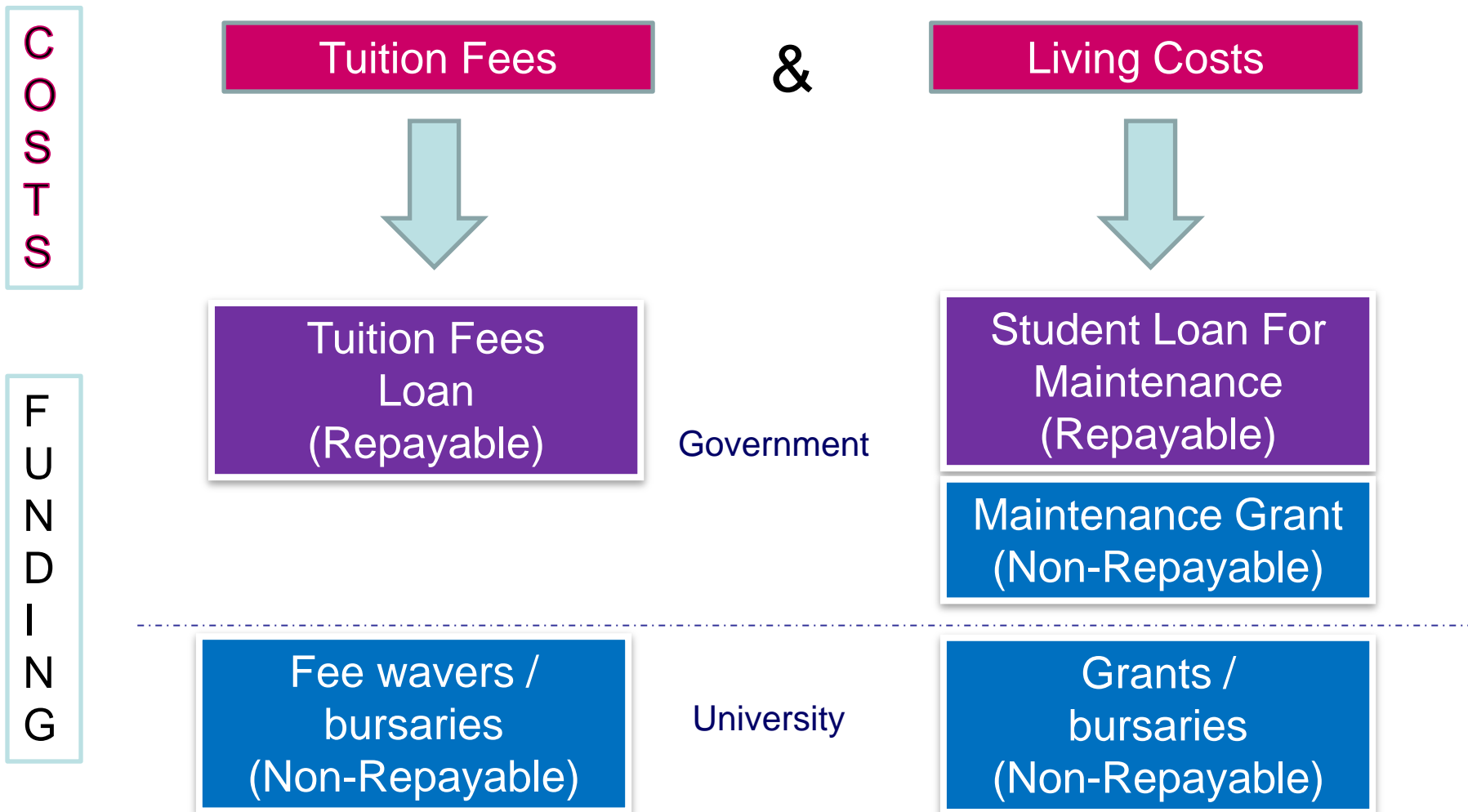
31 May 2013 - new full-time students

28 June 2013 - continuing full-time student

<https://www.gov.uk/apply-for-student-finance>



Costs and Sources of Funds





University of Oxford – Reduced Tuition Charge

Household income*	Tuition charge: 1st year	Tuition charge: subsequent years
£0 - £16,000	£3,500	£6,000
£16,001 - £20,000	£7,000	£7,000
£20,001 - £25,000	£8,000	£8,000
£25,001 +	£9,000	£9,000

* Household income is defined as a household's gross income less pension schemes and superannuation payments eligible for tax relief; less an allowance of £1,130 for each financially dependent child; less £1,130 for parents who are also students.



University of Oxford – Bursaries

Household income	Bursary: 1st year	Bursary: subsequent years
£0 - £16,000	£4,300	£3,300
£16,001 - £20,000	£3,500	£3,000
£20,001 - £25,000	£3,000	£2,500
£25,001 - £30,000	£2,500	£2,000
£30,001 - £35,000	£2,000	£1,500
£35,001 - £40,000	£1,500	£1,000
£40,001 - £42,600	£1,000	£500



“It's no more expensive to study at Oxford than at any other university...

our **world-class resources, extensive bursaries and college provision** actually keep living costs down”

