

# 1st Year Physics 17/18

## Semester 1 Participation Points

Week 01	25 Sep – 29 Sep Fundamentals of Physics – start weekly Online Homeworks
Week 02	02 Oct – 06 Oct
Week 03	09 Oct – 13 Oct
Week 04	16 Oct – 20 Oct Frontiers – Teaching Demos
Week 05	23 Oct – 27 Oct
Week 06	30 Oct – 03 Nov
Week 07	06 Nov – 10 Nov
Week 08	13 Nov – 17 Nov Mathematics – Week 8 Test
Week 09	20 Nov – 24 Nov
Week 10	27 Nov – 01 Dec
Week 11	04 Dec – 08 Dec Mathematics – Week 11 Test Frontiers – Solar Cells Report
Week 12	11 Dec – 15 Dec
Jan Exam Period	08 Jan – 19 Jan (2 weeks) Mathematics – University Exam Fundamentals of Physics A – Jan Test Fundamentals of Physics B – Jan Test Fundamentals of Physics C – Jan Test Fundamentals – Laboratory Practical Test



*This is a rough guide of semester one plans.  
Absolute confirmation is the responsibility of the Lecturer concerned.*

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## Modules, Breakdowns & Semester 2 Participation Points

[ theory.analysis.simulation ]

### Semester 1

#### *Mathematics*

- Week 8 Test (30%)
- + Week 11 Test (30%)
- + Jan University Exam (40%)

OR

- Pure & Applied Mathematics (for Physics)*
- Theory Tests 1 and 2 (50%)
- + Continuous Assessment 2 (50%)

### Semester 2

#### *Mathematics and Computing*

- Week 10 Test (10%) + Computing Lab (50%)
- + May University Exam (40%)

OR

- Pure & Applied Mathematics and Computing*
- Theory Tests 1 to 4 (50%)
- + Computing Laboratory (50%)

### Semesters 1 & 2

*Fundamentals of Physics A* [ **dynamics.relativity.nuclear** ]

*Fundamentals of Physics B* [ **thermal.waves.quanta** ]

*Fundamentals of Physics C* [ **electronics.electromagnetism.optics** ]

For each of the Fundamentals of Physics modules:

Semester 1 Test (10%)

- + Homeworks (20%, over 2 semesters)
- + Laboratory Work (30%, over 2 semesters)
- + May University Exam (40%)

*Frontiers of Physics and Entrepreneurial Skills* [ **frontiers.employers.skills** ]

Semester 1: Teaching Demos (10%) + Solar Cells (20%)

Semester 2: Institute of Physics Challenge (25%)

- + Employability (20%)
- + Research Project (25%)

### Notes

- Laboratory Work in *Fundamentals of Physics* modules start in week 1.  
Semester 1 Lab Mark (50% of total lab mark) from: In-class Assignments (30%) + Jan Practical Test (20%).  
Semester 2 Lab Mark (50% of total lab mark) from: Laboratory Sessions (30%) + 1 Report (20%).
- The precise breakdown of *Pure & Applied Mathematics (for Physics)* 'Continuous Assessment' components is prescribed in that class, and is also listed in the Assessment folder on Blackboard - ask Dr Graham McDonald if you need any further clarification.
- Submission of semester 2 Computing Laboratory assignments in *Mathematics and Computing* (and *Pure & Applied Mathematics and Computing*) due by at end of sem. 2 week 11.