

**School of Mathematical & Physical Sciences
Department of Physics and Astronomy
Examinations Rubrics**

The Department of Physics and Astronomy have two main Rubrics:

*Section A: Answer **ALL** questions. 20 Marks*
*Section B: Best **TWO** questions count. 15 marks each question.*
*Total time allowed: **TWO hours.***

Calculators are allowed

*A list of **physical constants** is provided.*

Level 4 (Year 1)

F3210 Mechanics

F3215 Oscillations, Waves and Optics

F3240 Classical Physics

F3237 Intro to Astrophysics

F3241 Modern Physics

Level 5 (Year 2)

F3205 Mathematical Methods 3 – **Calculators are NOT allowed.**

F3223 Stars and Planets

F3224 Thermal and Statistical Physics

Level 6 (Year 3)

F3209 Extragalactic Astronomy

F3221 NPP1

F3225 Quantum Mechanics 2

Level 7 (Year 4/PG)

894F3 Advanced Particle Physics

889F3 Stellar and Galactic Astrophysics

*Credit will be given for the best **TWO** answers only.
Total time allowed: **TWO hours***

*Each question carries 20 marks.
The approximate allocation of marks is shown in brackets by the
questions.*

Calculators are allowed

*A list of **physical constants***

Level 5 (Year 2)

F3204 Electrodynamics

F3239 Quantum Mechanics 1

F3212 Scientific Computing

F3217 Theoretical Physics

Level 6 (Year 3)

F3211 Atomic Physics

F3230 Condensed State Physics

F3231 Advanced Condensed State Physics

F3218 Lasers

F3214 Particle Physics

F3062 Physics Methods in Finance

Level 7 (Year 4/PG)

902F3 Astrophysical Processes

900F3 Cosmology

885F3 Further Quantum Mechanics

881F3 General Relativity

877F3 Quantum Field Theory 1 – **Calculators are NOT allowed.**

878F3 Symmetry in Particle Physics

The rubric for F3201 Maths Methods 1 and F3202 Maths Methods 2 Calculators are allowed, will be as follows

Attempt all questions

Time allowed: TWO hours.

Each question carries TWENTY marks. The numbers beside the questions indicate the approximate marks that can be gained from the corresponding parts of the questions.

The following rubric will apply for:

Skills in Physics 2 Exam

Section A: Short questions total marks 40. Maximum score 20.

*Section B: Four questions, 15 marks each. Best **TWO** questions count.*

Section A Marks weighted at 40%. Section B is weighted at 60%.

*Total time allowed: **TWO** hours*

Calculators are allowed

A copy of "The Cambridge Handbook of Physics Formulas" by Graham Woan is provided.