

Revision and Exams

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Outline

- Revision Tips
- Exam technique tips
- The Mechanics and Relativity Timed Remote Assessment
- Questions

Day	Date	Days to M&R
Wednesday	15-Dec	-26
Thursday	16-Dec	-25
Friday	17-Dec	-24
Saturday	18-Dec	-23
Sunday	19-Dec	-22
Monday	20-Dec	-21
Tuesday	21-Dec	-20
Wednesday	22-Dec	-19
Thursday	23-Dec	-18
Friday	24-Dec	-17
Saturday	25-Dec	-16
Sunday	26-Dec	-15
Monday	27-Dec	-14
Tuesday	28-Dec	-13
Wednesday	29-Dec	-12
Thursday	30-Dec	-11
Friday	31-Dec	-10
Saturday	01-Jan	-9
Sunday	02-Jan	-8
Monday	03-Jan	-7
Tuesday	04-Jan	-6
Wednesday	05-Jan	-5
Thursday	06-Jan	-4
Friday	07-Jan	-3
Saturday	08-Jan	-2
Sunday	09-Jan	-1
Monday	10-Jan	0

Schedule

- Mechanics and Relativity Exam is on day 1 of term
 - **10 am 10th January 2022**
- That is 3 weeks and 5 days away
 - Plenty of time to do quality revision
 - ...and relax and have a break to recharge your batteries ready for term 2

Revision Techniques



- See the College Guide on Revision Techniques:

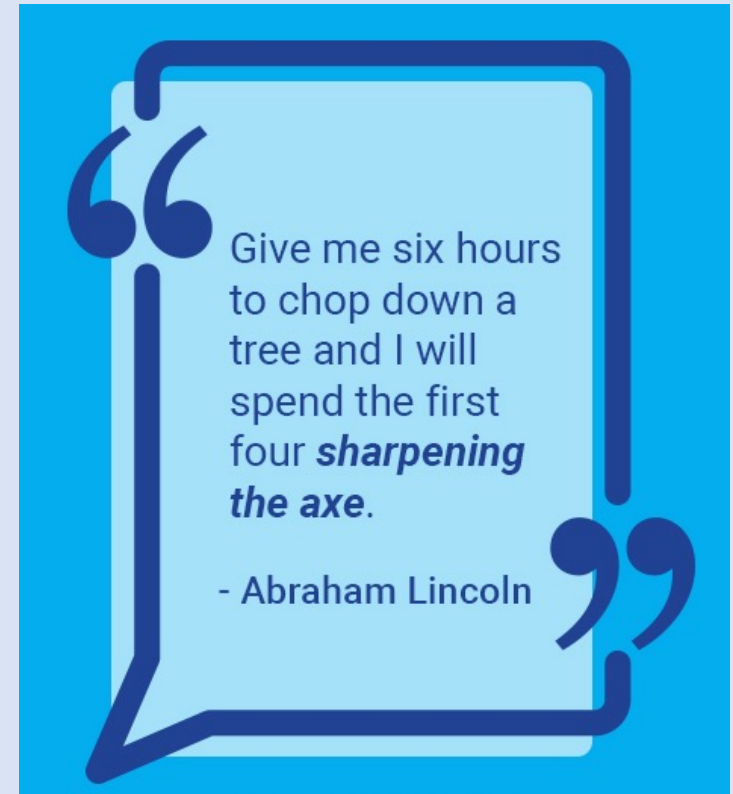
<https://www.imperial.ac.uk/students/success-guide/ug/assessments-and-feedback/examinations/revision/>

Revision Techniques

- Every student learns differently
- You will have developed your own exam revision style during high school
- But there are some differences to University level exams so you may need to adjust your revision techniques
 - Your previous exams may have involved recalling techniques / sequences
 - Our exams rely more on using techniques to solve problems
 - This requires a deeper level of knowledge than simple recall

Prepare

- Start early
 - Cramming before an exam leads to superficial learning
 - Gives you time to address problems
- Have a plan
 - Have a revision timetable
 - Helps to make sure you cover all topics
 - include variety (mornings and afternoons on different topics, group study)
 - Plan breaks, rest days



Go through the course material



Go through the notes
and other material.

summarise
mind maps



Do lots of questions.

problem sheets
textbook questions
past exams



Keep testing yourself to identify what you
know and what you need to work on

Past Exams



Only start
past paper
practice after
you've
covered
material



Time yourself
doing the
past paper
questions



Only look at
the solutions
after you've
made a
genuine
attempt at
completing
the question



Start with
past papers
that have
solutions.
Then move
on to doing
ones which
don't



Don't worry if
you taking
too long or
get low
marks.
Both get
better with
practice!

Past Exams

Where to find them

<https://www.imperial.ac.uk/physics/students/current-students/undergraduates/examinations/>

Past Exams



Mechanics and Relativity 2021:
Timed Remote Assessment



Mechanics and Relativity 2020:
in-person closed book exam



Pre 2020 (old courses)

Mechanics vibrations and waves

Mathematics

- Watch out for topics that are not in the current course!

Setting up your workspace



Have water and snacks to hand



Have pens and paper ready



Set up your laptop / screen and writing space so its comfortable



Organise your notes so that if you need them, they are easy to find

Before the exam:

01

Try to get a
good night's
sleep

02

Wake up in
plenty of time

03

Have breakfast

04

Get some fresh
air before the
exam

Exam Technique

Exam technique:



Follow instructions

Make sure you follow the instructions



Read the questions

Make sure you carefully read each question



Write clearly

Write clearly and legibly



Select

Select questions (or parts) you can answer to start



Time

Keep an eye on the time

Exam technique:



Structure

Follow the same structure as the question



State

State your assumptions, explain your reasoning



Show

Show your working.



Explain

Explain what you are doing and why

Exam Technique

Units: don't forget them

Vectors: mark them clearly

Significant Figures:
use same number
as in question

Pen colour: avoid
red and green
(used for marking)

Exam Preparation

Exams are written by module team – your lecturers

Checked by Course Associate (another academic)

Checked and approved by external examiner

Exam Marking

Exam scripts are marked by course lecturers



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graph TD; A[Exam scripts are marked by course lecturers] --> B[All scripts are second marked by course associate]; B --> C[Marking is blind – we only know the candidate number];
```

All scripts are second marked by course associate

Marking is blind – we only know the candidate number

Exam Feedback



For this exam only: you will have opportunity to look over marked script with your personal tutor



Results are summarized and overall feedback given by course lecturers



Final grades for module end of term 3 after external examiners meeting