

Revising for the Atmospheric Physics exam

Exam format

- Part A (40% of the marks): all questions are compulsory.
- Part B (60% marks): choose 2 out of 3 questions.

What is examinable?

- Everything in the notes except:

**sections 4.4.3, 4.4.4 & 4.5 which were not discussed in the lectures.

In addition, the lectures on “Clouds” and “Climate Change” are not examinable.

Equations, formulae, etc

- ***No need to learn by heart*** equations of formulae.
- Either they will be given to you or your understanding of the physical content will be enough.
- Examples:

** Angular momentum $r \cos \phi (u + \Omega r \cos \phi)$

** Potential temperature $\theta = T \left(\frac{P}{P_{ref}} \right)^{-R_d/c_{p,d}}$

** Schwarzschild's equation

$$I_\lambda(s) = I_\lambda(s_0) e^{-\tau} + \int_0^\tau J_\lambda(\tau') e^{-(\tau-\tau')} d\tau'$$

Previous years' exams

- The course has changed significantly from the version taught the previous four years. As a result I would not recommend practising with the exams for the 2009-2010 → 2012-2013 academic years.
- However, this year's course is very similar to the one taught by Jo Haigh from 2005-2006 → 2008-2009 so the exams from these years are very relevant.
- Best is to practise the problem sheets in the lecture notes!

Office hours

- I will keep Office Hours in Term3 until the exam on May 28:

** Huxley Building, Room 726

**Thursdays 11.30-12.30 & Fridays 1-2pm