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

\[ \theta = T \left( \frac{P}{P_{\text{ref}}} \right)^{-\frac{R_d}{c_p d}} \]

** Schwarzschild’s equation

\[ I_\lambda(s) = I_\lambda(s_o)e^{-\tau} + \int_0^\tau J_\lambda(\tau')e^{-(\tau-\tau')d\tau'} \]
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