

Year 13 Cambridge: A2 Mathematics

(Incorporating Level 3 NCEA)

The Cambridge content of this course accounts for 20% of the A2 Grade.

Students in this course will also be studying for the A2 (pure) examination in Mathematics

Course content.

| Cambridge A2 | NCEA Statistics and Modelling |
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| Poisson Distribution | Modelling Data (Internal: assessed March 20-22) |
| Linear Combinations of Random Variables (RV) | |
| Continuous RV | Bivariate data (Internal: assessed June 5-8) |
| Sampling and estimation | Time series analysis (Internal: assessed Aug 13-15) |
| Hypothesis tests | Numerical Methods |
| Exam Revision | Basic probability revision |
| | Probability Distributions Revision |

Assessment

- Cambridge: A2 Paper (paper 7) is assessed on November 12th 2009.
- Complementing this examination topic tests will be held as well as a mid year and end of year examination.
- NCEA: Has 3 internal assessments, each done as a 2 hour exercise in the computer rooms in an exam or testing block. There are also 4 external examinations.
 - Internal assessments (3 Two hour Exams)
 - Select and analyse continuous bi-variate data (3 Credits)
 - Determine the trend for time series data (3 Credits)
 - Use a mathematical model involving curve fitting to solve a problem (3 Credits)
 - External assessments
 - Calculate confidence intervals for population parameters (3 Credits)
 - Solve straightforward problems involving probability (4 credits)
 - Solve equations (4 credits)
 - Use probability distribution models to solve straightforward problems (4 credits)

Appeals concerning Assessment

1. The staff to approach are (in order): class teacher, HOD, Principal's Nominee. In some situations it may be appropriate to approach the relevant Dean.
2. Students are reminded of their right to question marking decisions when tasks are returned.
3. Students must initiate any appeal within 2 days of receiving a piece of marked work.
4. Work written in pencil (unless approved at the time of the assessment) or with "white out" corrections is not be subject to appeal.
5. It is the student's responsibility to collect marked work if they are absent on the day the work was returned to the class. They must do this within 5 days of returning to class.

Please see "Assessment Regulations" in the homework diary for a complete statement of da rulz.