

Immanuel Lutheran College

S.4 Mathematics Course Outline (2010 – 2011)

Textbook: New Century Mathematics – Book 4A, 4B (Oxford)

| <i>Date</i> | <i>Chapter</i> | <i>Topics</i> | No. of periods | Test / Exam |
|--|----------------|---|-----------------------|-----------------------|
| 2/9/10 – 15/9/10 | 1 | <i>Number System</i> | 11 | UT 1 |
| 16/9/10 – 28/9/10 | 3 | Quadratic Equations in One Unknown | 16 | 27/11/11 – 1/11/11 |
| Quiz 1 | | | | |
| 29/9/10 – 26/10/10 | 4 | <i>Basic Knowledge of Functions</i> | 12 | |
| 2/11/10 – 15/11/10 | 5 | Quadratic Functions | 12 | |
| Quiz 2 | | | | |
| 16/11/10 – 1/12/10 | 6 | <i>More About Polynomials</i> | 12 | |
| 2/12/10 – 17/12/10 | 2 | Equations of Straight Lines | 16 | |
| First Examination: Paper 1: 90 minutes Paper 2: 45 minutes (Ch. 1-6) | | | | |
| 21/1/11 – 15/2/11 | 10 | <i>Rational Functions</i> | 12 | UT2 |
| 16/2/11 – 3/3/11 | 8 | <i>Exponential Functions</i> | 12 | 29/3/11 – 1/04/11 |
| Quiz 3 | | | | |
| 4/3/11 – 28/3/11 | 9 | <i>Logarithmic Functions</i> | 16 | |
| 4/4/11 – 12/4/11 | M1 | <i>Binomial Theorem</i> | 7 | |
| 13/4/11 – 9/5/11 | 11 | <i>Basic Properties of Circles</i> | 14 | |
| Quiz 4 | | | | |
| 11/5/11 – 30/5/11 | 12 | <i>More About Basic Properties of Circles</i> | 12 | |
| 31/5/11 – 8/6/11 | 13.1 – 13.2 | <i>Trigonometry</i> | 7 | |
| First Examination: Paper 1: 90 minutes Paper 2: 60 minutes (Ch. 1 – 13.2) | | | | |