

# Immanuel Lutheran College

## S.2 Mathematics Course Outline (2010 – 2011)

Textbook: New Trend Mathematics (Second Ed.: School- based Curriculum) 2A, 2B (Chung Tai)

<i>Date</i>	<i>Chapter</i>	<i>Topics</i>	<b>No. of periods</b>	<b>Test / Exam</b>
2/9/10 – 14/9/10	3.1, 3.2	Identities and expansion	10	UT 1 27/11/11 – 1/11/11
15/9/10 – 27/9/10	11 (bk. 1B)	Linear equations in two unknowns	7	
28/9/10 – 6/10/10	4	Simultaneous Equations	7	
<b>Quiz 1</b>				
7/10/10 – 14/10/10	12.1, 12.2	Polygons	7	
15/10/10 – 21/10/10	10.1, 10.6 AI, AII, BI	Area of polygons, Volume and surface area of prism	6	
22/10/10 – 26/10/10	6.1, 6.2	Square roots	3	
2/11/10 – 15/11/10	3.3, 3.4	Factorization	10	
16/11/10 – 23/11/10	5.1 - 5.4E	Conditions for congruent triangles	7	
<b>Quiz 2</b>				
24/11/10 – 1/12/10	6.3-6.5	Pythagoras' Theorem	6	
2/12/10 – 14/12/10	7	More about Statistics	11	
15/12/10 – 3/1/11	9.1, 9.2	Algebraic fraction	6	
<b>First Examination: Paper 1: 60 minutes – Ch. 3, 4, 5.1 – 5.4E, 6.1 – 6.5, 7, 9.1, 9.2, 10.1, 10.6 AI, AII, BI, 12.1,12.2, 11 (Bk. 1B)</b>				
21/1/11 – 28/1/11	2	<i>Measurement and error</i>	7	UT2 29/3/11 – 1/04/11
10/2/11 – 15/2/11	10.7	<i>Accumulation of error</i>	4	
16/2/11 – 25/2/11	5.4E - 5.4F	<i>Proof associated with congruent triangle</i>	9	
<b>Quiz 3</b>				
28/2/11 – 4/3/11	6.6	Irrational numbers - Surd operation	5	
7/3/11 – 16/3/11	8	Inequalities	9	
21/3/11 – 28/3/11	9.3, 9.4	Formula	6	
4/4/11 – 14/4/11	5.5	Similar triangle	9	
15/4/11 – 9/5/11	10.3 -10.5; 10.6 AIII, BII	Area of circles, Arc Length, Area of Sector, Volume and Surface Area of Cylinders	9	
<b>Quiz 4</b>				
11/5/11 – 23/5/11	11	Trigonometry	10	
24/5/11 – 26/5/11	10.2	Area ratio of similar figure	3	
27/5/11 – 8/6/11	13	central tendency	9	
<b>First Examination: Paper 1: - 60 minutes; Paper 2:- 30 minutes Ch. 2, 5.4E – 5.5, 6.6, 8, 9.3, 9.4, 10.2 – 10.5, 10.6 AIII, BII, 10.7, 11, 13</b>				