Immanuel Lutheran College
S.2 Mathematics Course Outline (2012 – 2013)

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

Date	Chapter	Topics	No. of periods
4/9/12 – 13/9/12	3.1, 3.2	Identities and expansion	9
14//9/12 – 24/9/12	12.1, 12.2	Polygons	7
Quiz 1 (25 min.)			
25/9/12 – 5/10/12	11 (bk. 1B)	Linear equations in two unknowns	5
8/10/12– 17/10/12	4	Simultaneous Equations	10
18/10/12 – 24/10/12	6.1, 6.2, 6.6	Square roots, surd operation	6
25/10/12-26/12		Revision for the UT	5
UT 1 (45 min.) [1]			
2/11/12 – 22/11/12	5.1 - 5.5	Congruent & similar triangles	18
26/11/12 – 6/12/12	3.3, 3.4	Factorization	10
Quiz 2 (25 min.):			
7/12/11 – 12/12/12	6.3-6.5	Pythagoras' Theorem	5
13/12/12 – 20/12/12	7	More about Statistics	7
3/1/13— 4/1/13		Revision for the exam	2
EXAM 1 (60 min.) [2]			
22/1/12 – 29/1/12	2	*Measurement and error*	7
30/1/13 – 6/2/13	9.1, 9.2	Algebraic fraction	7
18/2/13– 1/3/13	8	Inequalities	9
Quiz 3 (25 min.)			
4/3/13-22/3/13	11	Trigonometry	14
8/4/13- 10/4/13		Revision for the UT	5
UT 2 (45 min.) [3]			
17/4/13 – 24/4/13	9.3, 9.4	Formula	7
25/4/13 – 22/5/13	10	Area of polygons, Area ratio of similar figure, Area of circles, Arc Length, Area of Sector, Volume and surface area of prism and cylinders , Accumulation of Error	21
Quiz 4 (25 min.)			
23/5/13 – 30/5/13	13	central tendency	7
3/6/13- 10/6/13		Revision for exam	7
EXAM 2 (I: 60 min.; II: 30 min.) [4]			

Uniform quiz : Day2,5,6

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[1] Self-reading: Construction of Triangles (Chapter 5.3, pp. 12 – 16).
[2] Self-reading: Simple Constructions and Construction of Regular Polygons (Chapter 12.4 and 12.5, pp. 16 – 29).

[3] Self-reading: *A Brief History of π* (passage to be distributed to students in the second term).
[4] Self-reading: *Trigonometric Ratios and The Unit Circle* (passage to be distributed to students in the second term).