

Course Syllabus (Final – term – Semester 2)**Learning Group: Mathematics****Subject code****Subject: Math****Year Level: 11****Total: 1.0 credit**

No.	Topics	Contents	Objectives	Reference
1	Statistical applications	1.1 Introduction to statistical applications 1.2 Normal distribution 1.3 Applications of normal distribution in problem solving 1.4 Scatter diagram 1.5 Line of best fit 1.6 Regression line 1.7 Chi-squared test 1.8 Application of chi-squared test in problem solving	<ul style="list-style-type: none">• By the end of this chapter, students should be able to<ul style="list-style-type: none">➤ Express their ideas on how statistics applications are useful in real life➤ Identify the property of a normal curve➤ Solve problems regarding normal distribution➤ Plot a scatter diagram based on the information given➤ Calculate the means of x and y and eventually construct the line of best fit➤ Write an equation of regression line based on the data given➤ Write both null and alternative hypotheses and conduct a chi-squared test and come up with appropriate results from the test performed➤ Use chi-squared test in problem solving properly	

Course Syllabus (Final – term – Semester 2)**Learning Group: Science
Year Level: 11****Subject code
Total: 1.0 credit****Subject: Chemistry**

Chapter/ Unit	Topics	Contents	Objectives	Reference
10	Petroleum and Polymer	10.1 Crude Oil 10.2 Separating Oils into Fractions 10.3 Cracking Hydrocarbons 10.4 Alkanes and alkene 10.5 Polymerization of Plastics 10.6 Polythene 10.7 Oil and the Environment	<ul style="list-style-type: none">• By the end of this chapter, students should be able to<ul style="list-style-type: none">➤ Describe, explain and analyze Crude OilSeparating Oils into FractionsCracking HydrocarbonsAlkanes and alkenespolymerization of PlasticsPolytheneOil and the Environment	Chemistry for Higher Tier (Gallagher, Ingram, 3 rd edition) Pages 166-184
11	Biomolecules	11.1 The Chemistry of Living Things 11.2 Carbohydrates 11.3 Lipids 11.4 Proteins 11.5 Nucleic Acids	<ul style="list-style-type: none">• By the end of this chapter, students should be able to<ul style="list-style-type: none">➤ Describe the structure and properties of Carbohydrates, Lipids, proteins and Nucleic Acids	Prentice hall Chemistry, Connections to our Changing World (Page 867-888)

Course Syllabus (Final – term – Semester 2)

Learning Group: Social
Year Level: 11

Subject code
Total: 1.0 credit

Subject: Geography

Chapter/Unit	Topics	Contents	Objectives	Reference
12	Rivers	12.1 Rivers and the Hydrologic Cycle ➤ River System ➤ Energy of a River ➤ River Processes ➤ Landforms Formed by River Processes ➤ Management of River Channels 12.2 Why We Study Rivers	<ul style="list-style-type: none">• At the end of the lesson the students should be able to:<ul style="list-style-type: none">➤ To understand the rivers and its hydrologic cycle and river system➤ To explain the factors affecting the volume of water in a river➤ To understand the river Processes➤ To explain the landforms formed by river processes➤ To explain the distributaries of Deltas	Page 224 – 252
13	Coasts	13.1 What is a Coast? 13.2 What are the Different Coastal Processes? 13.3 Landforms Produced by Coastal Processes 13.4 Coastal Protection Measures 13.5 A Final Word on Coasts	<ul style="list-style-type: none">• At the end of the lesson the students should be able to:<ul style="list-style-type: none">➤ what a coast and its different landform processes are➤ To explain why we need coastal protection measures	Page 253 – 277