

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

<b>No.</b>	<b>Topics</b>	<b>Contents</b>	<b>Objectives</b>	<b>Reference</b>
1	Descriptive statistics	1.1 Introduction to descriptive statistics 1.2 Types of data 1.3 Frequency table 1.4 Upper and lower boundaries 1.5 Frequency histogram 1.6 Cumulative frequency table and cumulative frequency curve 1.7 Central tendency and quartiles 1.8 Data dispersion and box and whisker diagram	<ul style="list-style-type: none"><li>• By the end of this chapter, students should be able to<ul style="list-style-type: none"><li>➤ Explain clearly what descriptive statistics is all about</li><li>➤ Identify types of data whether it is continuous or discrete, quantitative or qualitative</li><li>➤ Construct a frequency table for a set of data</li><li>➤ Calculate both upper and lower boundaries of a set of data</li><li>➤ Construct a frequency table and draw a histogram based on the frequency table made</li><li>➤ Make the cumulative frequency table and draw a frequency curve correctly</li><li>➤ Find the mean, median, mode, range, percentile and quartiles accurately</li><li>➤ Identify parts of and construct a box and whisker diagram correctly</li></ul></li></ul>	

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

<b>Chapter/ Unit</b>	<b>Topics</b>	<b>Contents</b>	<b>Objectives</b>	<b>Reference</b>
1	The Structure of the Atom	1.1 Historical Development of Atomic Models 1.2 Isotopes and their importance 1.3 Electronic Structure of the Atom	<ul style="list-style-type: none"><li>• By the end of this chapter, students should be able to<ul style="list-style-type: none"><li>➤ describe, explain the: Historical Development of Atomic Models</li><li>➤ Isotopes and their importance</li><li>➤ Electronic Structure of the Atom</li></ul></li></ul>	Pages 17-28
2	Chemical Formula and Equations	2.1 The Lymphatic System 2.1.1 The Structure of the Lymphnode 2.1.2 Interstitial Fluid 2.1.3 How does the lymphatic system complement the circulatory system? 2.1.4 The Role of the Circulatory System in the Body's Defense Mechanism 2.1.5 Immunity, antigen, antibody, and immunisation 2.1.6 Active Immunity vs. passive immunity	<ul style="list-style-type: none"><li>• By the end of this chapter, students should be able to<ul style="list-style-type: none"><li>➤ Relative Atomic Mass</li><li>➤ Relative Molecular Mass</li><li>➤ The Mole and Number of Particles</li><li>➤ the Mole and the Mass of a Substance</li><li>➤ Chemical Formula of Substance</li></ul></li></ul>	Pages 29-45

3	Chemical Bonding	3.1 Formation of Compounds 3.2 Ionic Bonds 3.3 Covalent Bonds 3.4 Properties of Ionic and Covalent Bond	<ul style="list-style-type: none"> <li>• By the end of this chapter, students should be able to <ul style="list-style-type: none"> <li>➤ Formation of Compounds</li> <li>➤ Ionic Bonds</li> <li>➤ Covalent Bonds</li> <li>➤ Properties of Ionic and Covalent Bonds</li> </ul> </li> </ul>	Pages 112-146
4	Chemical Reaction	4.1 The nature of Chemical Reactions 4.2 Chemical Equations 4.3 Classifying Chemical Reactions	<ul style="list-style-type: none"> <li>• By the end of this chapter, students should be able to <ul style="list-style-type: none"> <li>➤ The nature of Chemical Reactions</li> <li>➤ Chemical Equations</li> <li>➤ Classifying Chemical Reactions</li> </ul> </li> </ul>	Prentice hall Chemistry Connections to our changing world  Pages 279-291

**Course Syllabus (Mid – term – Semester 2)****Learning Group: Social****Subject code****Subject: Geography****Year Level: 11****Total: 1.0 credit**

<b>Chapter/Unit</b>	<b>Topics</b>	<b>Contents</b>	<b>Objectives</b>	<b>Reference</b>
9	Types of Natural Vegetation	9.1 Types of Natural Vegetation 9.2 Types of Forests 9.3 Influence of Climate on Vegetation Growth 9.4 Importance of Forests	<ul style="list-style-type: none"> <li>• By the end of this chapter, students should be able to:               <ul style="list-style-type: none"> <li>➤ To know the Types of Natural Vegetation</li> <li>➤ To know the Types of Forests</li> <li>➤ To understand the Influence of Climate on Vegetation Growth</li> <li>➤ To describe on how Forests, adapt to their environment</li> <li>➤ To explain the problems in the Coniferous Forests</li> <li>➤ To explain why the Forests are important</li> </ul> </li> </ul>	Page 150 - 177
10	Forests as a Resource	10.1 Functions and Uses of Forests 10.2 The Future of Our Forests	<ul style="list-style-type: none"> <li>• By the end of this chapter, students should be able to               <ul style="list-style-type: none"> <li>➤ To understand the Functions and Uses of Forests</li> <li>➤ To explain how to Maintaining the water Supply</li> <li>➤ To understand how Replenishing oxygen and removing carbon dioxide works</li> <li>➤ To explain why Protecting coasts are important</li> <li>➤ To understand why Natural treatment of waste water is important</li> <li>➤ To understand how the Habitat of Flora</li> </ul> </li> </ul>	Page 178 – 194

			<p>and Fauna play together</p> <ul style="list-style-type: none"> <li>➤ To see what kind of useful materials can be found in the forests</li> <li>➤ To see the Food supply in the forests</li> <li>➤ To understand that the Future of Our Forests are important</li> </ul>	
11	Case Study: Deforestation in Kalimantan, Indonesia, versus Thailand's Deforestation	<p>11.1 What is Deforestation?</p> <p>11.2 A Case Study of Kalimantan</p> <p>11.3 Managing the Rainforests in Kalimantan</p> <p>11.4 Our Role in Forest Conservation</p>	<ul style="list-style-type: none"> <li>• By the end of this chapter, students should be able to <ul style="list-style-type: none"> <li>➤ Understand why our Disappearing Forests needs special attentions</li> <li>➤ To explain the cause of rapid deforestation in the world</li> <li>➤ To understand the causes of deforestation in Kalimantan versus Thailand</li> <li>➤ To understand the causes on: <ul style="list-style-type: none"> <li>➤ Demand of agriculture settlements growth</li> <li>➤ Improvements on transport networks</li> <li>➤ Growth of industries</li> </ul> </li> <li>➤ To understand the loss in biomass and biodiversity</li> <li>➤ To understand the changes of quantity of water and its quality</li> <li>➤ To describe what Afforestation and reforestation is</li> <li>➤ To understand on how carefully we need to maintain the forests</li> </ul> </li> </ul>	Page 195 – 223