

Course Syllabus (Final – Semester 1)**Learning Group: Mathematics****Subject code****Subject: Math****Year Level: 11****Total: 1.0 credit**

No.	Topics	Contents	Objectives	Reference
1	Counting principles	1.1 Basic counting principles	<ul style="list-style-type: none">• By the end of this chapter, students should be able to<ul style="list-style-type: none">➤ Perform basic counting principles with confidence and accuracy	
2	Combination	2.1 Introduction to combination 2.2 Combination problems with repetition 2.3 Combination cases without repetition	<ul style="list-style-type: none">• By the end of this chapter, students should be able to<ul style="list-style-type: none">➤ Explain about combination in all aspects➤ Solve problems involving combination when repetition is allowed➤ Solve problems involving combination when repetition is not allowed	
3	Permutation	3.1 Introduction to permutation 3.2 Permutation problems with repetition 3.3 Permutation cases without repetition	<ul style="list-style-type: none">• By the end of this chapter, students should be able to<ul style="list-style-type: none">➤ Explain about permutation satisfactorily➤ Solve different cases of permutation when repetition is allowed➤ Solve various involving permutation when repetition is not allowed	
4	Circular arrangement and beyond	4.1 Circular arrangement and other types of arrangements rather than linear arrangement	<ul style="list-style-type: none">• By the end of this chapter, students should be able to<ul style="list-style-type: none">➤ Solve problems regarding circular arrangement and other types of arrangement	

Course Syllabus (Final – Semester 1)**Learning Group: Science****Year Level: 11****Subject code****Total: 1.0 credit****Subject: Biology**

Chapter/Unit	Topics	Contents	Objectives	Reference
8	Ecosystem & Biodiversity	8.1 The Abiotic and Biotic Composition of the Environment 8.2 The Processes of Colonization and Succession in an Ecosystem 8.3 Population Ecology 8.4 Biodiversity 8.5 The Impact of Microorganisms on Life	<ul style="list-style-type: none">• By the end of this chapter, students should be able to<ul style="list-style-type: none">➤ Explore and explain component and properties of the ecosystem➤ Search for data and compare biotic and abiotic factors➤ Experiment and explain principles on Population Ecology	Page 237-258
9	Natural Resources	9.1 The Importance of proper management of development activities and the ecosystem	<ul style="list-style-type: none">• By the end of this chapter, students should be able to” Discuss and explain the Importance of proper management of development activities and the ecosystem	Pages 298-302

Course Syllabus (Final – Semester 1)**Learning Group: Social****Year Level: 11****Subject code****Total: 1.0 credit****Subject: Geography**

Chapter/Unit	Topics	Contents	Objectives	Reference
4	Plate Movement	4.1 Plate Movements and Landforms 4.2 Plate Movements and Resultant Phenomena	<ul style="list-style-type: none"> • At the end of the lesson the students should be able to: <ul style="list-style-type: none"> ➤ Know the distribution of landforms and phenomena associated with plate movements. ➤ Identify the formation of landforms and phenomena associated with plate movements. 	Page 47 – 66
5	Earthquakes	5.1 Why are Earthquakes dangerous? 5.2 Impacts of Earthquakes 5.3 Factors influencing Extent of 5.4 Earthquake Damage 5.5 How do People Adapt to Earthquakes and What Lessons Can We Learn?	<ul style="list-style-type: none"> • At the end of the lesson the students should be able to: <ul style="list-style-type: none"> ➤ Explain the impact of earthquakes on people living in an earthquake-prone area. ➤ Identify the factors influencing the extent of earthquake damage. ➤ Conclude on the effectiveness of the measures people have taken to adapt to earthquakes. 	Page 67 – 85
6	Elements of Weather	6.1 How is Weather Different from Climate? 6.2 Changes in Weather 6.3 What are the Elements of Weather? 6.4 Why We Study Elements of Weather	<ul style="list-style-type: none"> • At the end of the lesson the students should be able to: <ul style="list-style-type: none"> ➤ Explain differences between weather and climate. ➤ Know elements of weather ➤ Know reasons for variations in temperature at different locations. ➤ Know Formation of convectional and relief rain ➤ Know the formation of winds at different scale 	Page 86 – 107