

**Course Syllabus (Mid – term – Semester 2)****Learning Group: Mathematics****Subject code****Subject: Math****Year Level: 12****Total: 1.0 credit**

<b>No.</b>	<b>Topics</b>	<b>Contents</b>	<b>Objectives</b>	<b>Reference</b>
1	Integration	1.1 Introduction to integration 1.2 Indefinite integration 1.3 Definite integration 1.4 Integration of basic functions 1.5 Integration of trigonometric functions 1 1.6 Integration of trigonometric functions 2 1.7 Integration of exponential functions 1.8 Integration of logarithmic functions	<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 what integration is and how it is useful</li><li>➤ Identify what indefinite integration is like</li><li>➤ Identify what definite integration is like</li><li>➤ Perform integration of basic functions</li><li>➤ Find the integral of basic trig functions in terms of <math>\sin(ax+b)</math>, <math>\cos(ax + b)</math>, etc</li><li>➤ Figure out the integral of advanced trig functions</li><li>➤ Perform integration of exponential functions</li><li>➤ Perform integration of log functions</li></ul></li></ul>	

**Course Syllabus (Mid – term – Semester 2)****Learning Group: Social  
Year Level: 12****Subject code  
Total: 1.0 credit****Subject: Economics**

<b>Chapter/ Unit</b>	<b>Topics</b>	<b>Contents</b>	<b>Objectives</b>	<b>Reference</b>
4	Price Elasticity of Demand and Supply	<ul style="list-style-type: none"><li>• 4.1 Price Elasticity of Demand</li><li>• 4.2 Total Revenue</li><li>• 4.3 Relationship between price Elasticity of Demand and Total Revenue</li><li>• 4.4 Factors affecting price Elasticity of Demand</li><li>• 4.5 Price Elasticity of Supply</li><li>• 4.6 Factors affecting price Elasticity of Supply<ul style="list-style-type: none"><li>➤ Concept Map</li><li>➤ Revision</li></ul></li></ul>	<p>At the end of the lesson the students should be able to:</p> <ul style="list-style-type: none"><li>• Explain and explain why the concept of demand is central to modern economic and, therefore, political life.</li><li>• Identify the key basis to understand and predict the demand for goods and services</li><li>• Recognize the ubiquity as well as the limitations of the Law of Demand</li><li>• Explain and explain why the concept of supply is central to modern economic and, therefore, political life.</li><li>• Identify the key basis to understand and predict the quantity supplied of goods and services</li><li>• Recognize the ubiquity as well as the limitations of the Law of Supply</li></ul>	Page 3 – 39