

Faculty	Economic and Management Sciences		
Home Department	Economics		
Module Topic	Intermediate Mathematical Economics		
Generic Module Name	Intermediate Mathematical Economics 235		
Alpha-numeric Code	ECO235		
NQF Level	6		
NQF Credit Value	10		
Duration	Semester		
Proposed semester to be offered.	Second Semester		
Programmes in which the module will be offered	BCom (1008), BCom (ECP) (1751), BCom (Law) (7211) BAdmin (1011)		
Year level	2		
Main Outcomes	<p>On completion of the module a student should be able to:</p> <ul style="list-style-type: none"> • Apply differentiation techniques to solve the non-linear economic problems in consumption and production theories in microeconomics. • Solve linear mathematical economic problems in macroeconomics. • Explain matrix concepts and apply them to solve linear economic problems. • Apply the integral calculus techniques to non-linear economic functions. 		
Main Content	<ul style="list-style-type: none"> • Differentiation techniques used to solve economic problems. • Linear mathematical economic problems in macroeconomics (e.g. AD-AS curves, IS-LM curves). • Non-linear mathematical economic problems in microeconomics (e.g. consumption equilibrium, production equilibrium, returns to scale, partial elasticity). • Matrices in economics applications. • Integral calculus in economics applications. 		
Pre-requisite modules	ECO241 or ECO151		
Co-requisite modules	None		
Prohibited module Combination	None		
Breakdown of Learning Time	Hours	Time-table Requirement per week	Other teaching modes that does not require time-table
Contact with lecturer / tutor:	33	Lectures p.w.	2
Assignments & tasks:	20	Practicals p.w.	0
Practicals:	0	Tutorials p.w.	0.5
Assessments	7		
Selfstudy	40		
Other:	0		
Total Learning Time	100		
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
Assessment Module type	Continuous and Final Assessment (CFA)		