

Semester:	7		
Course Code:	ENCM 41753		
Course Name:	Applications in Environmental Economics		
Credit Value:	3		
Status:	Compulsory for BSc Honours in ENCM degree		
Pre-requisites:	ENCM 31712		
Co-requisites:	None		
Hourly Breakdown:	Theory	Practical	Independent Learning
	45	-	105
Intended Learning Outcomes:			
After completion of this course unit, the student will be able to;			
<ol style="list-style-type: none"> 1. perform nonmarket valuation of environmental impacts, 2. evaluate policies and projects relating to environment using economic rationale, 3. communicate environmental economics analysis to policymakers, and 4. apply tools in environmental economics to comprehend relevant research and articles. 			
Course Content:			
Review of economics and market failure in allocating environmental resources, conventional solutions to environmental problems, economic solutions to environmental problems. Economic approach: property rights and externalities. Valuing the environment: hedonic pricing and contingent valuation, travel cost method, preventive expenditure and replacement cost method, choice modelling exercise and benefit transfer in valuation. Ecosystem services and values, The Economics of Ecosystems and Biodiversity (TEEB) approach, extended cost benefit analysis (ECBA) and communicating results for decision-making on project and policies and introduction to Green Accounting.			
Teaching /Learning Methods:			
A combination of interactive teaching sessions, field studies, computer based learning, self-studies, field based assignments and small group discussions.			
Assessment Strategy:			
Continuous assessment and end of semester examination. Percentage given for each sub-component indicates the percent contribution to the final marks.			
Continuous Assessment 30 %		Final Assessment 70 %	
Details:		Theory	Practical
Quizzes	5	70	-
Assignments	25		-
Recommended Readings:			
<ol style="list-style-type: none"> 1. Brent, R.J. (2006). Applied Cost Benefit Analysis. Edward Elgar, Cheltenham, UK. 2. Callen, C.J and Thomas, J.M. (2013). Environmental Economics and Management: Theory Policy and Application, South-Western, Mason. 3. Champ, P.A., Boyle, K.J. and Brown. T.C (Ed) (2003). A primer on Non- Market Valuation, Springer Science+Business Media, LLC, New York. 4. Field, B.C and Field, M.K. (2017). Environmental Economics: An introduction, McGraw Hill, New York. 5. Tietenburg, T. and Lewis, L. (2003). Environmental and Natural Resource Economics. 11th Edition. Routledge, Taylor and Francis, New York. 			