Faculty	Management and Social Science			
Department Economics				
Course Title	Introductory Econometrics	Introductory Econometrics		
Year of Study	1	1		
Course Code	ECN 307			
Credit Hours	Hours 2			
Contact Hours	30			
Mode of Delivery	Classroom Lectures			
Mode of Assessme	ent	Weight		
Continuous Assessment		30%		
Final Examination		70%		
Total		100%		
Course Lecturer	Dr. O.J. Omokanmi			
Course Description	troductory econometrics involves the understanding of basic econometric chniques to formulate economic models, estimate economic model and so make prediction where necessary. It involves the description of the rdinary Least Squre method, the assumptions of the classical OLS and the reakdown of those assumptions.			
Course Objectives	 The understanding of the relationship among economic theory, statistical economics and mathematical economics. Basic indices and logarithmic functions. Description of the methodology of econometrics Classical assumptions of the ordinary least squre method Describe the BLUE properties of OLS Formulate, estimate and interpret basic econometrics models. 			
Outcomes	 Explain the meaning of econometrics Explain the methodologies of econometrics 			

Teaching and Learning Detailed Course Content	 3. Describe the method of time series, cross-sectional and panel data 4. Describe the classical method of OLS 5. Formulate, estimate and interpret econometrics model 6. Explain econometrics problems such as autocorrelation, multicollinearity and heteroscedasticity The class will meet for two hours every week for a combination of both the lecture hours and tutorials. Definition and scope of econometrics, stages of econometric research, simple linear econometric model and regression, ordinary least square		
	heteroscedacity and simultaneous equation models and the two stage least square identification problem		
	Course Content Sequencing		
Weeks	Detailed Course Outline	Allocated Time	
Week 1	 Introduction to Econometrics Define econometrics Describe the role of econometrics in economics Explain types of data in econometrics Explain the methodologies of econometrics 		
Week 2	 Ordinary Least Squre (OLS) Describe the method of OLS Describe the classical assumptions of OLS 		
Week 3	 3. The BLUE properties of OLS Explain with mathematical proof, each of the BLUE properties of OLS 		
Week ,5	 4. Simple Linear Regression Estimation and analysis of data involving the simple linear regression analysis. 		

	Co-efficient of determination			
Week 6,7	 5. Multiple Regression Analysis Estimation of multiple regression analysis model Interpretation of signs and magnitudes of the co-efficients Estimation and interpretation of multiple co-efficient of determination (R-squre) Estimation and interpretation of the adjusted R-squre 			
Week 7, 8	 6. The Normal Equations The case of one independent variable The case of two independent variables 			
Weeks 9, 10	7. Econometrics ProblemsAutocorelationMulticollinearity			
Week 11, 12	Analysis of various computer generated econometrics models results.			
Week 13, 14	Examinations			
Recommended Reading Material				

- 1. Koutsoyiannis, A.(2001). Theory of Econometrics. Palgrave.
- Oyeniyi, T. A. (2012). Fundamental Principles of Econometrics. Ceders Publiches (Nig.) Limited