

Teaching Plan
Academic Session: 2025-26
Department of Economics
Jagannath Barooah College, Jorhat

Name of the Teacher: Mrs. Santana Dutta

Semester: ODD & EVEN

Class /Semester	Title & Code of The Paper Allotted (Credit)	Method of Teaching	Teaching Material	Unit	Topic	Hours	Details of the Contents	Books
SEM-III	ECOSK-31 (DATA ANALYSIS AND BASIC STATISTICS)(4)	Lecture	Books, Online Materials	I	Population and Sample	14	Population and Samples, Census ,sample survey, Principal steps in sample survey	1) S.C. Gupta, Mathematical Statistics 2)Digambar Patri and D.N. Patri, Statistical method for Economics
		Lecture	Books, Online Materials	II	Collection of data	14	Collection of data, sources of data, Primary and secondary data	
		Lecture	Books, Online Materials	III	Statistical tools and Interpretatio n	12	Measures of Central tendency, Measures of dispersion, Correlation , Regression and Index number	

		Practical				10	Measures of Central tendency, Measures of dispersion, Lorenz curve, Correlation, Index number	
SEM-III (Major)	ECOMJ-033 Mathematical Methods in Economics-I (4)	Lecture	Books, Online Materials	I		13	Number system, Cartesian product, relations, functions	1) Baruah, S.: Basic Mathematics and its Application in Economics 2) Bodo, L. :Mathematics for Economics
		Lecture	Books, Online Materials	II		17	Limit of function',Differentiation, Graphical representation, Economic application,	
		Lecture	Books, Online Materials	III		17	Maxima And Minima of Function, economic application	
		Lecture	Books, Online Materials	IV		16	Integration and economic application Differential Equations	
SEM-IV (Major)	ECOMJ-043 (Mathematical methods in Economics-II) (4)	Lecture	Books, Online Materials	I	Difference Equation	12	Difference equation, Cobweb Model	1) I. K. Sydsaeter and P. Hammond, Mathematics for Economics Analysis 2)R.G.D. Allen, Mathematical Analysis for Economics
		Lecture	Books, Online Materials	II	Linear algebra	15	Vector, Determinant, Matrix , Solution of simultaneous equations, Economic application	
		Lecture	Books, Online Materials	III	Functions of several real variables	14	Production function, Differentiation and economic applications	

		Lecture	Books, Online Materials	IV	Multi variable Optimizatio n	15	Constrained and unconstrained optimization, Application in Economic problems	3) Baruah , S. : Basic Mathematics and its application
SEM-IV (Major)	ECOMJ-044 (Public Finance)	Lecture	Books, Online Materials	II	Public expenditure and revenue	12	Public Expenditure and public revenue; Its principles and theories.	1)R.K. Lekhi Public Finance
		Lecture	Books, Online Materials	IV	Indian public finace	12	Indian Public Finance : Tax system, budget,GST	2)H.L. Bhatia, Public . Finance 3) R.A.Musgrave and P.B.Musgrave, Public Finance and practice
SEM-IV (Minor)	ECOMI-041 (Public Finance)	Lecture	Books, Online Materials	I	Introduction to public finance	12	Meaning , Scope and importance of public finance, Fiscal function :Allocation ,Distribution, Stabilization	1)R.K. Lekhi, Public Finance
		Lecture	Books, Online Materials	III	Public debt and budget	12	Public debt: Burden ,Management, Liquidation, Public budget	2) H.L. Bhatia ,Public Finance
		Lecture	Books, Online Materials	V	Fiscal federalism in India	6	Fiscal federalism: Allocation of resources between Center and State Govt., State and local finance	