

DMG 4166 - ADVANCED DEMOGRAPHIC ANALYSIS

Course Objectives:

The objective of this course is to provide through knowledge in Advanced Demographic Analysis for students who follow Special Degree in Demography.

Expected Outcomes:

Students will be equipped with all the advanced methods of demographic analysis available and applied to any given data set.

Course Content:

Topic	Allocated Lecture hours	Number of Tutorial & Discussion hours
1. Introduction	1	-
2.Cohort and period patterns of change	4	1
3. Simulating, adjusting and smoothing of demographic sample data	3	2
4. Methods of decomposition and standardization	4	1
5. Advanced Life table methods and applications	5	3
6. Advanced survival analysis	6	3
7. Advanced software applications for demographic analysis	6	3
8. Population models	4	2
Sub Total	33	15
Total	----- 48 =====	

Assessment	
Method	Weightage
Two Assignments (at 10% each)	20%
Mid-Semester Test	20%
End-of-semester Examination	60%
Total	----- 100%