

COURSE CODE: 2CM2010313	COURSE TITLE: Demography:-1
COURSE TYPE : SPECIALIZATION- STATISTICS	
COURSE OBJECTIVE: To present a clear, simple and systematic comprehensive explosion of the methods, principles and techniques and statistics in various discipline with special reference to commerce, management, economics and business.	

Teaching Scheme (Hours per week)		Evaluation Scheme (Marks)		
Lectures	Credit	University Assessment	Institutional Assessment	Total
4	4	60	40	100

Unit	Topic and Contents	Hours	Wt. (%)
1.	Demography: Meaning and scope of demography, history and growth of demography measures of population growth, common measures of growth rate growth curves logarithmic exponential gompertz and logistic curves. Measures of mortality rates, neonatal and perinatal mortality rates, standardized, age specific death rate with numerical examples.	15	25%
2.	Life tables – Scope, importance and limitations of life tables. Different methods as construction of life tables abridged life tables, numerical examples to illustrate these methods. Population projections methods of projection study of simple models for population projections 15 25 01 Statistical Quality Control	15	25%
3	Statistical Quality Control: Sampling inspection plan:- Product v/s Lot Control, Double Sampling Plan for attributes and its uses, Sequential Sampling Plan:- Sampling inspection plan or variables – single sampling plan when the quality characteristics of lot normally distributed with known and unknown standard deviation with upper and/or lower limit specified OC, ASN, ATI and AOQ of the above plans and their calculation for specified value of parameter.		
4.	Simulation: Philosophy, developments and implementation of simulation modeling, examples of simulation modeling, uniform distribution of simulation, generation of random numbers, properties of uniformly distributed numbers. Methods of consumption. Simulation from binomial. Poission, normal and Chi-Square distribution, simulation languages and their comparison.	15	25%

References Books:

1. Berry G.C. : market research McGraw Hill
2. Bhende A.A. & Kanitkar T(1985) : principal of population stu. Himalaya
3. Bowker & Godde : sampling inspection plans for variables
4. Davar R.S.(1982) :Modern Marketing Management progressive Coporation pvt. ltd.
5. Duncan & Smith : Indistrial Statistice & Qali. control
6. Duncan A.J.(1965) : Quli. Control & Indu. sta. B.O. & sons
7. King :Quantitive Analysis for Market, Management
8. Pathak K.B. & Ram R.(1992) :Technical ofDemography analysis himalaya
9. Philips kotlar : Scientific Marketing Management
10. Presesat R(1978) : statistical Demography Meth. & Co.
11. Ramkumar R.(1986) : Technical Demography wiley eastran