Syllabus for
Course Work in Ph.D. Programme in Anthropology

Revised in March 2014

Vidyasagar University
Midnapore 721102, West Bengal

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Course Work for Ph.D. Programme in Anthropology

Total Marks: 200

Division of marks

Course Code	MARKS
Course I	Theoretical: 40 Practical: 10 Total: 50
Course II	Theoretical: 40 Practical: 10 Total: 50
Course III(ANT)	Theoretical: 50 Total: 50
Course IV(ANT)	Theoretical: 50 Total: 50
TOTAL	200

Structure of the Curriculum for Ph.D. Course work in Anthropology

Course Code	Course Name	Marks			Exam Time
		Theor.	Assign.	Total	
Course I	Research Methodology	40	10	50	2 hours
Course II	Computer Application and Statistical Methods	40	10	50	2 hours
Course III(ANT)	Anthropology	50		50	2 hours
Course IV(ANT)	Special Topics in Anthropology	50		50	2 hours

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Course Contents

Course Code: Course I
Course Name: Research Methodology
Marks: Theoretical – 40 + Assignment (Practical) – 10 = 50

Group A: Theoretical – 40 marks

1.1 Research: definition, importance, meaning and characteristics. Steps in research.
1.2 Research problem: identification, selection and formulation.
1.3 Sampling: definition, theory, types, techniques and steps. Sample size, advantages and limitations of sampling.
1.4 Data: definition, sources and types. Data collection methods. Limitations and cautions. Analysis of data.
1.5 Review of literature and Bibliography.
1.6 Research report: types, contents, styles and steps in drafting. Editing the final draft and Thesis writing.

Group B: Assignment writing on any one (Practical) – 10 marks

(a) Review of articles
(b) Research proposal
(c) Sample design
(d) Data analysis

Course Code: Course II
Course Name: Computer Application and Statistical Methods
Marks: Theoretical – 40 + Assignment – 10 = 50

Group A: Theoretical – 20 marks

2.1 Operating system: latest version of WINDOWS, UNIX.
2.2 Internet: data uploading and downloading, e-mail and e-journal.
2.3 Database management System.
2.4 Office management: MS-Word, MS-Excel, MS-Power Point, and Latex.
2.5 Software Packages: SPSS, R-Statistics, MATHLAB, EMBOS, etc.

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Group B: Theoretical – 20 marks

2.6 Normal probability distribution.
2.7 Test for goodness for fit for a proposed distribution.
2.8 Correlation of coefficient: simple linear, multiple linear, and partial.
2.9 Regression; simple, multiple and stepwise.
2.10 Experimental design. Analysis of variance: its model, one or two way ANOVA. Multiple comparison tests.

Group C: Assignment writing on any one (Practical) – 10 marks

(a) Power point presentation on a research topic.
(b) Analysis of data using MS-Excel.
(c) Analysis of data on given statistical methods.

Course Code: Course III (ANT)
Course Name: Anthropology
Marks: 50

Group A: Theoretical – 20 marks

3.1 Concept of gene, genome and gene pool. Genetic structure of human population; Hardy-Weinberg law; causes for changes in gene frequencies: mutation, hybridization, genetic drift, and selection. Genetic polymorphism.

3.2 Biological consequences of mating systems: consanguinity, inbreeding and outbreeding. Inbreeding coefficient (F-ratio); heterozygosis, homozygosis and genetic load.

3.3 Application of Biological Anthropology: Forensic Anthropology, genetic counseling, karyotyping and banding; Human Genome Project.

Group B: Theoretical – 20 marks

3.4 Concept of culture. Classical concepts. Poststructuralist and postmodernist views of culture.

3.5 Fieldwork tradition in Anthropology. Emic and etic approaches in Anthropology.

3.6 Sources of anthropological data; techniques of data collection; report writing; dissertation and scientific papers.

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Group C: Theoretical – 10 marks

3.7 Quaternary period: chronology, importance in the study of human biological evolution, and major environmental episodes.

3.8 Prehistoric tools: typology and technology. Palaeolithic, Mesolithic and Neolithic culture complexes with special reference to Europe, Africa and India. Salient features of civilization.

3.9 Ethnoarchaeology: meaning, scope and usefulness in the reconstruction of cultural evolution.

Course Code: Course IV (ANT)
Course Name: Special Topics in Anthropology
Marks: 50

4.1 Human nutrition and nutritional status. Genetic and environmental factors affecting nutritional status.

4.2 Human growth. Measurement of growth: cross-sectional, longitudinal and mixed longitudinal.

4.3 Demography of human populations. Anthropological genetics. Health, disease and epidemiology of human populations. Women's reproductive health, family planning and child health.

4.4 Rural development. Community forest management. Indigenous art and craft. Ethnic migration and movement. Development and displacement. Social unrest and insurgency violence.

4.5 Social gerontology. Problems of the aged population in India: rural and urban dimensions.

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