

# VIDYASAGAR UNIVERSITY

Midnapore, West Bengal



*PROPOSED CURRICULUM & SYLLABUS (DRAFT) OF*

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## **BACHELOR DEGREE WITH ANTHROPOLOGY (MULTIDISCIPLINARY STUDIES)**

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**3-YEAR UNDERGRADUATE PROGRAMME**  
*(w.e.f. Academic Year 2023-2024)*

*Based on*  
**Curriculum & Credit Framework for Undergraduate Programmes  
(CCFUP), 2023 & NEP, 2020**

**VIDYASAGAR UNIVERSITY**  
**BACHELOR DEGREE IN MULTIDISCIPLINARY STUDIES with ANTHROPOLOGY**  
*(Under CCFUP, 2023)*

Level	YR.	SEM	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
								CA	ESE	TOTAL	
B.Sc. in Life Sc./ B.A. in Social Sc. with Anthropology	2 <sup>nd</sup>	III	SEMESTER-III								
			Major-A2	ANTPMJ02	T: Human Origin and Adaptation; P: Practical (To be studied by students taken Anthropology as Discipline- A )	4	3-0-1	15	60	75	
			Major-A3	ANTPMJ03	T: Caste and Tribe in India; P: Practical (To be studied by students taken Anthropology as Discipline- A )	4	3-0-1	15	60	75	
			SEC	SEC03	To be taken from SEC-03 of Discipline C.	3	0-0-3	10	40	50	
			AEC	AEC03	Communicative English-2 (common for all programmes)	2	2-0-0	10	40	50	
			MDC	MDC03	Multidisciplinary Course-3 (to be chosen from the list )	3	3-0-0	10	40	50	
			Minor-3 (Disc.-C3)	ANTMIN03	T: Human Evolution and Adaptation; P: Practical (To be studied by students taken Anthropology as Discipline- C )	4	3-0-1	15	60	75	
		Semester-III Total					20				375
		IV	SEMESTER-IV								
			Major-B2		To be decided (Same as MajorA2 for Anthropology taken as Discipline-B)	4	3-0-1	15	60	75	
			Major-B3		To be decided (Same as Major-A3 for Anthropology taken as Discipline-B)	4	3-0-1	15	60	75	
			Major (Elective) -1	ANTMJE-01	To be chosen from the given options (To be studied by students taken Anthropology as Discipline- A )	4	3-1-0 / 3-0-1	15	60	75	
			AEC	AEC04	MIL-2 (common for all programmes)	2	2-0-0	10	40	50	
			Minor -4 (Disc.-C4)	ANTMIN04	T: Indian Society and Tribal Culture; P: Practical (To be studied by students taken Anthropology as Discipline- C )	4	3-0-1	15	60	75	
			Summer Intern.	IA	Internship / Apprenticeship- activities to be decided by the Colleges following the guidelines	4	0-0-4	-	-	50	
		Semester-IV Total					22				400
		TOTAL of YEAR-2					42	-	-	-	775

MJP = Major Programme (Multidisciplinary), MI = Minor, A/B = Choice of Major Discipline; C= Choice of Minor Discipline; SEC = Skill Enhancement Course, AEC = Ability Enhancement Course, MDC = Multidisciplinary Course, CA= Continuous Assessment, ESE= End Semester Examination, T = Theory, P= Practical, L-T-P = Lecture-Tutorial-Practical, MIL = Modern Indian Language

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## MAJOR (MJ)

### **MJ A2/B2: Human Origin and Adaptation**

**Credits 04 (FM: 75)**

### **MJ A2/B2T: Human Origin and Adaptation**

**Credits 03 [45L]**

#### **Course contents:**

#### **Unit I**

Concept of Evolution; Modern Synthetic Theory; Early apes: Dryopithecus, Proconsul, and Sivapithecus - distribution and features.

#### **Unit II**

Australopithecines: Gracile (*A. afarensis* and *A. africanus*) and Robust (*A. robustus*) species; their distribution, features and phylogenetic position; *Homo habilis* and related findings.

#### **Unit III:**

Definition, aim and objectives, various aspects of human adaptation (genetic, environment and cultural), biotic and abiotic components.

#### **Unit IV:**

Concept of acclimatization, acclimation and adaptation. Adaptation to Altitude and temperature. Homeostasis (Thermoregulation and Hypoxia). Human ecological rules and their applicability to human populations: Concept of Allen's, and Bergman's rule.

### **MJ A2/B2P: Human Origin and Adaptation (Practical)**

**Credits 01**

#### **Course Outline:**

#### **1. SOMATOMETRY**

Measurements (should be taken on at least 5 individuals)

i) Maximum head length (ii) Maximum head breadth (iii) Least frontal breadth (iv) Bi-zygomatic breadth (v) Nasal length (vi) Nasal breadth (vii) Nasal depth (viii) Upper facial height (ix) Total facial height (x) Bi-gonial breadth (xi) Height vertex (xii) Sitting height (xiii) Head circumference (xiv) Mid Upper Arm Circumference (xv) Waist circumference (xvi) Hip circumference (xvii) Weight.

#### **2. INDICES**

i) Cephalic Index ii) Nasal Index iii) Facial Index iv) Jugo-frontal Index v) Body Mass Index.

#### **Suggested Readings**

1. Harrison, G. A., Tanner, J. M., Pilbeam, D. R., Baker, P. T. (1977). Human Biology: An Introduction to Human Evolution, Variation, Growth and Ecology. New York, London: Oxford University Press.

2. Schutkowski, H. (2006). Human Ecology: Biocultural Adaptation in Human Communities. Berlin: Springer.
3. Behera, D. K. and Pfeffer, G (1999). Contemporary Society: Tribal Studies. Volume I to VII. New Delhi: Concept Publishing Company.
4. Hasnain, N. (). Tribal India. New Delhi: Palaka Prakashan
5. Berry, J. B. (1976). Human Ecology and Cognitive Style: Comparative Studies in Cultural and Physical Adaptation. New York: John Wiley.
6. Jurmain, R., Kilgore, L., Trevathan, W., Ciochon, R.L. (2012). Introduction to Physical Anthropology. USA: Wadsworth Publication.
7. Standford, C., Allen, J. S. and Anton, S. C. (2012). Biological Anthropology: The Natural History of Mankind. New Delhi: PHI Learning Pvt. Ltd.
8. Weiner, J.S. and Lourie, J.A. (1981). Practical Human Biology. UK: Academic Press.
9. Mukherji D., Mukherjee D, Bharati P. (2009). Laboratory Manual for Biological Anthropology. Calcutta: Asian Books Pvt. Ltd.
10. Molnar, S. (1982). Human Variation: Races, Types and Ethnic Groups. New York: Pearson Education Inc.

**MJ A3/B3: Caste and Tribe in India****Credits 04 (FM: 75)****MJ A3/B3T: Caste and Tribe in India****Credits 03 [45L]****Course contents:****Unit 1:**

Indian Society over the ages - From Vedic period to the present in outline. Salient Features of Indian Society. Geographical and Ecological Background of Indian civilization. Concept of Varna, Concept of Indian Caste system, features of Caste and Changes in Caste system, Jajmani system

**Unit 2:**

Folk-Urban Continuum, Great Tradition- Little Tradition, Universalization- Parochialization, Concept of Village, Features of village societies, Village studies in India – A brief outline. Sacred Complex, Nature-man-spirit Complex, Concept of Hindu mode of Tribal Absorption, Concept of Tribe-Caste continuum.

**Unit 3:**

Anthropological concept of Tribe - i. Definition of tribe; ii. Features of tribes iii. Indian tribes - a. Indian tribes and their Regional Distribution b.. Economic classification iv. Concept of Indigenous Peoples, ST, and PVTG.

**Unit 4:**

Contemporary issues and problems of Indian tribes, tribes; Constitutional safeguards for ST. c) Tribal development schemes and programme and their impact. Anthropological study of Peasants: Concept, definition and type of Peasantry. Tribal and peasant movements (Santal Movement and Tebhaga Movement).

**MJ A3/B3P: Caste and Tribe in India (Practical)****Credits 01****Course Outline:**

Four (04) days fieldwork in a village or on a Tribe/Caste/ Community/ Occupational group for studying social organizational aspects of that village/community. Must include overall description of physical setting in short and aspects economic activities, family, marriage, kinship, religious practices. Drawing of Village Map and preparing Field diary are compulsory.

A field report based on the empirical work is to be submitted for evaluation.

**Suggested Readings**

1. Ahuja, Ram (1993). *Indian Social System*. Rawat Publication: Jaipur.
2. Bandyopadhyay, Sumahan, (2012). *Prasanga Adivasi*. Kolkata: Offbeat Publication.
3. *Samajik Sanskritik Nribijnan*. Kolkata: Parul Prakasahani. (2024).
4. Dube, S. C. (1992). *Indian Society*. National Book Trust: New Delhi.
5. Ember C. R .et. al. (2011). *Anthropology*. New Delhi: Dorling Kindersley.
6. Ferraro, G. and Andreatta, S. (2008). *In Cultural Anthropology: An Applied Perspective*.
7. Majumdar, D.N. and Madan, T.N. (1956). *An Introduction to Social Anthropology*. Asia Publishing House.
8. Rapport N. and Overing, J. (2004). *Key Concepts in Social and Cultural Anthropology*. London: Routledge.
9. Srinivas, M. N. (1959). The Dominant Caste in Rampura. *American Anthropologist*. 61(1):1–16.doi:10.1525/aa.1959.61.1.02a00030

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10. Social Change in Modern India. Hyderabad: Orient Longman. (1972, 2008 rpt.).
11. Thapar, R. 1996. *A History of India*, Volume I. London: Penguin Books
12. Vidyarthi, L.P. (1978). *Sacred Complex in Hindu Gaya*. University of Michigan.
13. Vidyarthi, L.P. and Rai, B.K. (1976, rpt.1985). *The Tribal Culture of India*. New Delhi: Concept Publishing Co.
14. Yogendra Singh (1986). *Modernization of Indian Tradition*. New Delhi: Rawat Publication.
15. Yogendra Singh (1977). *Social Stratification and Change in India*. University of California

**Major Elective (MJE)-01: Human Growth and Development****Credits 04 (FM: 75)****MJE-01T: Human Growth and Development****Credits 03 [45L]****Course contents:****Unit I**

Importance of studying human growth; Concept of human growth, development, and maturation; Prenatal and Postnatal period of growth; Concepts of Growth Curves (Distance and Velocity).

**Unit II**

Methodology of growth study: Longitudinal, Cross-sectional and Mixed longitudinal; Factors responsible for growth: genetic, social, ecological and others.

**Unit III**

Human Nutrition - Definition of Food, Diet and Nutrition; Concept of nutrients - micro and macro nutrients, their sources and utility; Concept of malnutrition - undernutrition and over nutrition; Measures of nutritional status with standard cut-off points.

**MJE-01 P: Human Growth and Development (Practical)****Credits 01**

**Laboratory note book to be prepared based on any one topic from the following.**

1. Evaluation of Growth status: Stature, Body weight, Mid upper arm circumference (MUAC), Waist circumference, Head circumference (for children)
2. Nutritional status assessment: BMI, Conicity Index, MUAC.
3. Project/ Report on any chosen topic from this DSE.

**Suggested Readings**

1. Bogin B. (1999). Patterns of human growth. Cambridge University Press.
2. Cameron N and Bogin B. (2012). Human Growth and Development. Second edition, Academic press.
3. Harrison GA, Tanner JM, Pibeam DR, Baker PT. (1988). Human Biology. Oxford University Press.
4. Malina RM, Bouchard C, Oded B. (2004). Growth, Maturation, and Physical Activity. Human Kinetics.
5. Weiner J. S. and Lourie J.A. (1981). Practical Human Biology. Academic Press.
6. Mukherjee, D., Mukherji D. P. and Bharati P. (2009). Laboratory Manual of Biological Anthropology. Asian Books Pvt. Ltd., New Delhi, India.

**OR**

**Major Elective (MJE)-01: Advanced Forensic Anthropology****Credits 04 (FM: 75)****MJE-01T: Advanced Forensic Anthropology****Credits 03 [45L]****Course contents:****Unit-I**

Introduction to Forensic Anthropology: History, Definition, Scope, and Applications.

**Unit-II**

Identification of human skeletal remains; Ancestry identification; Age estimation; Sex identification from skull and pelvis; Stature estimation from long bones.

**Unit-III**

Introduction to Dermatoglyphics: Concept of fingerprint ridges, triradii, atd angle, pattern types, palm print and sole print; Footprints

**Unit-IV**

Concept of Personal Identification; Methods of identification in living persons: Somatometry, Somatoscopy, Occupational Marks, Scars, Bite Marks, Tattoo Marks and Lip Prints. Very brief concept of serology

**MJE-01 P: Advanced Forensic Anthropology (Practical)****Credits 01****Laboratory note book to be prepared based on any one topic from the following.**

1. Personal Identification based on Somatoscopy (Skin colour, Head hair and Nose).
2. Recording and Study of Finger Prints (pattern types, triradii and atd angle).
3. Development of latent fingerprints using different chemical and powder methods.
4. Project/ Report on any chosen topic from this DSE.

**Suggested Readings**

1. Cummings, H. and Midlo, C. (1961). Finger prints, palms and soles: An Introduction to Dermatoglyphics. (vol. 319). New York: Dover Publ.
2. Lee, H.C., Romotowski, R and Gaensslen, R.E. (Ed.). (2001). Advances in finger print technology. CRC Press.
3. Mukherjee, D., Mukherji D. P. and Bharati P. (2009). Laboratory Manual of Biological Anthropology. Asian Books Pvt. Ltd., New Delhi, India.
4. Gunn, A. (2009). Essential Forensic Biology (2nd ed.). Chichester. Wiley-Blackwell.
5. Ghosh Maulick, S.K. and Rath, B. (2000). Techniques in Forensic and Physical Anthropology. Mayur Publ. Bhubaneswar, India.
6. Rastogi, S and Shukla, B.R.K. (2003). *Laboratory Manual of Physical Anthropology*. Bharat Book Center, Lucknow, India



**MINOR (MI)**

*(To be studied by students taken Anthropology as Discipline- C)*

**MI-3/C3: Same as Minor-3 (ANTMIN03) of Anthropology (Hons) prog.**      **Credits 04**  
**Full Marks: 75**

**MI-4/C4: Same as Minor-4 (ANTMIN04) of Anthropology (Hons) prog.**      **Credits 04**  
**Full Marks: 75**

**SKILL ENHANCEMENT COURSE (SEC)**

*(To be studied by students taken Anthropology as Discipline- C)*

**SEC-03 P: Same as SEC-03 (ANTSEC03) of Anthropology (Hons) prog.**      **Credits 03**  
**Full Marks: 50**