



**Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore**  
**Shri Vaishnav Institute of Social Sciences, Humanities and Arts**  
**Choice Based Credit system (CBCS) in light of NEP-2020**  
**Generic Elective (Anthropology)**  
**(Batch 2022-2023)**

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL		L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
GPANTHRO201	Generic Elective	Ecological Anthropology	60	20	20	0	0	3	0	0	3

**Legends:** L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit;

\***Teacher's Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

### **GPANTHRO201 Ecological Anthropology**

#### **Course Educational Objectives (CEOs):**

- CEO1:** To appraise the basic concept of ecological anthropology.
- CEO2:** To provide knowledge of various Approaches in the study of Human Ecology.
- CEO3:** To provide knowledge about the process of adaptation in various climatic zone.
- CEO4:** To provide the understanding of primary human adaptive strategies (sometimes referred to as subsistence patterns) that have been identified by anthropologists.
- CEO5:** To train the students to recognize the potential of this indigenous knowledge to contribute to sustainable solutions to future food needs, energy provision, and resource conservation.

#### **Course Outcomes (COs): The students are expected to:**

- CO1:** Define Ecology and explain the relationship between cultural and natural (or ecological) systems.
- CO2:** To adopt an appropriate methodology to study/understand a situation.
- CO3:** Comprehend the process of adaptation in various climate zones; and
- CO4:** Analyze and critically assess the socio-cultural, economic, and environmental costs and benefits of industrialized agriculture, including bio-technologically engineered food crops.
- CO5:** Evaluate critically environmental and natural resource issues in light of understanding interrelationships, ecosystems, and institutions.

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**Course Contents:**

**Biological Dimensions**

**UNIT I:** Concepts in Ecology: Definition; Eco-Sensitivity Adaptation; Acclimation; Acclimatization. Biotic, and Abiotic Components.

**UNIT II:** Approaches in the study of Human Ecology: Comparative Method; Cause and Effect; Multiple Stress and Strain Relationship. Ecological Rules.

**UNIT III:** Human Adaptation to Climate: Adaptation to Heat, adaptation to Cold; Adaptation to High Altitude; Impact of urbanization and industrialization on Human Adaptation.

**Cultural Dimensions**

**UNIT IV:** Culture as a tool of adaptation; Various Modes of Human Adaptation in Pre-Industrial Societies.

**UNIT V:** Dynamics in Cultural Dimensions of Human Ecology: Agriculture; Peasantry; Industrial civilization and growth of urban societies

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**Suggested Readings:**

- Cohen, Yehudi A. (1968). **Man Inadaptation; The Cultural Present.** Aldine Pub. Co. Chicago.
- Berry, J. B. (1976). **Human Ecology and Cognitive Style: Comparative Studies in Cultural and Physical adaptation.** John Wiley. New York.
- Jaiswal, A. (2017). **Ecosystem And Eco-Sensitivity: Human Ecology PG E-Pathshala,** (An Ministry of Human Resource Development Project under its National Mission on Education through ICT (NME-ICT).
- Paul, R. Ehrlich; Anne, H. Ehrlich; John, P. And W.H. Holderness (1973). **Human Ecology: Problems and Solutions.** Freeman & Company, San Francisco.
- Nath, P. (2020) **Physical Anthropology.** 9<sup>th</sup> Edition, Higher Publishers.
- Redfield, Robert. (1965). **Peasant Society and Culture An Anthropological Approach To Civilization.** Chicago [u.a.]: Univ.of Chicago Press.
- Reece, J. B., Urry, L. A., Cain, M. L., Wasserman, S. A., Minorsky, P. V., and Jackson, R. B. (2011). **The Exponential Model Describes Population Growth In An Idealized, Unlimited Environment.** In Campbell biology (10th ed., pp. 1190-1192). CA: Pearson, San Francisco.
- Richard, B. Lee and Irven DeVore (1969) **Man the Hunter,** Symposium on Man the Hunter. Chicago: Aldine Pub. Co.
- Schutkowski, H. (2006). **Human Ecology: Bio-cultural Adaptation in Human Communities.** Springer, Berlin.
- Vandermeer, J. H.; Goldberg, D. E. (2003). **Population Ecology: First Principles.** Princeton University Press. Woodstock, Oxford shire.

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