



Code	Subject Title	Cr. Hrs	Semester
ZOOL-409	Zoogeography	2	VIII
Year	Discipline		
4	Zoology		

Course Contents

Branches of zoogeography; (Descriptive, Chorology, Faunistics, Systematic, Biocoenotic, Causal, Ecological, Historical, Experimental and Applied Zoogeography). Animal distribution (Cosmopolitan distribution, Discontinuous distribution, Isolation distribution, Bipolar and Endemic distribution). Occurrence and significance of Discontinuous distribution. Factors affecting animal distribution. Barriers and Means of dispersal. Types of barriers (Topographic and climatic barriers). Barriers and Means of dispersal in Marine, Freshwater and Terrestrial environments. Zoogeographical regions, Division of the world into various zoogeographical regions. (Palaeartic, Nearctic, Oriental, Ethiopian, Australian and Neotropical regions). Geographic ranges, physical features, climates, faunas of Nearctic, Palaeartic, Oriental, Ethiopian, Australian, and Neotropical regions. Insular fauna; (Continental, Oceanic and Ancient Islands). Palaeogeography (Theories of Permanence of Continents, Land Bridges, Continental Drift and Plate Tectonics).

Recommended Books

- Frank Evers Beddard, 2008. A textbook of Zoogeography. Published by BiblioBazar, LLC, pp. 192.
- S.K. Tiwari, 2006. Fundamentals of World Zoogeography. Wedams eBooks (P) Ltd. (India), pp. 384. Sarup & Sons, Ansari Rd. Daryaganj, Delhi.
- Shivkumar Tiwari, 1985. Readings in Indian Zoogeography (Vol. 1) Today & Tomorrow Printers & Publisher, pp. 395.
- De Beaufort, 1951. Zoogeography of the Land Inland Waters, Sidgwick and Jackson.
- Darlington, 1963. Zoogeography, John Wiley.
- Muller, 1974. Aspects of Zoogeography, Hague.
- Barry, C. and Moore, P.D., 2010. Biogeography and Ecological and evolutionary approach (8th Ed.). John Wiley.
- Hesse, 1963. Ecological Animal Geography, John Wiley.
- Ekman, 1953. Zoogeography of the sea. Sedgwick and Jackson.
- Lillies, 1974. Introduction to Zoogeography, London.
- Terry, A. Vaughan, J. M. Ryan and N.J. Czaplewski, 2009. Mammalogy. 5th Ed. Jones and Barjlett publishers.
- S.S. Ali, 1999. Palaeontology, Zoogeography and Wildlife Management.
- Hickman, Roberts and Larson, 2001. Integrated Principles of Zoology (11th Edition). McGraw Hill, New York.