

PROPOSED TEACHING PLAN

Fall 2022

Department of Life Sciences

Teacher's Name		Email ID	
Course Title	Wildlife	Program	BS Zoology
Course code	ZOOL-4102	Credit Hours	02

Course Outline

Wildlife: Animal occurrence, protection, needs of animals, maintenance, and the habitat.

Techniques: Ground and aerial tracking, GPS, radio telemetry, maps etc.

Wildlife Conservation: Philosophy and significance, Biodiversity and sustainability of wildlife.

Wildlife Agencies: National and International agencies involved in conservation and management of wildlife. International conventions, agreements.

Wildlife of Pakistan: identification, distribution, status, conservation and management (population estimate technology) of fishes, reptiles, birds and mammals of major importance in Pakistan. 74

Wildlife rules and regulations in Pakistan: Sanctuaries, Game Reserves and

National Parks in Pakistan. Endangered species of Pakistan.

(Note: The teacher is suggested to provide blank maps of Pakistan in the theory class to the students to indicate the distribution of the animals. Similar blanks maps should be attached with the question paper, if distribution of animals is asked from the student in the theory paper).

Recommended Books:

1. Ali, S.S. 1999. Paleontology, Zoogeography & Wildlife Management. Nasim Book Depot. Hyderabad, India.
2. Roberts, T. J. 1998. The Birds of Pakistan, (Vol. II), Oxford University Press.
3. Roberts, T. J. 1992. The Birds of Pakistan, (Vol.I). Oxford University Press.
4. Magon, C.F. 1988. Biology of Freshwater Ponds. Longman and Scientific Publication.
5. Bailey, J.A. 1986. Principles of Wild life Management. John Wiley and Sons.
6. Robinson, W.L., Bolen, E.G. 1984. Wildlife Ecology and Management. McMillan, Cambridge.
7. Roberts, T.J. 1977. Mammals of Pakistan. Ernest Benon Ltd, London.
8. Ali S., Ripley S. D. 1973. A Handbook of Birds of India & Pakistan,
9. Oxford University Press, London. Elirza Z.B, the Birds of Pakistan.

TENTATIVE TEACHING PLAN

Week	Objective/Learning Outcomes	Content/Sub Content
1	Wildlife:	Animal occurrence, protection, needs of animals, maintenance, and the habitat.
2		
3	Techniques:	Ground and aerial tracking, GPS, radio telemetry, maps etc.
4		
5	Wildlife Conservation:	Philosophy and significance, Biodiversity and sustainability of wildlife.
6		
7	Wildlife Agencies:	National and International agencies involved in conservation and management of wildlife. International conventions, agreements.
8		
9		
10	Wildlife of Pakistan:	identification, distribution, status, conservation and management (population estimate technology) of fishes, reptiles, birds and mammals of major importance in Pakistan. 74
11		
12		
13	Wildlife rules and regulations in Pakistan:	Sanctuaries, Game Reserves
14		
15	National Parks in Pakistan.	Endangered species of Pakistan.
16		

Teaching methodology/activity: Lecture delivery via power point presentation, discussion with class. **Assessment method/technique:** Quiz, Assignments, Viva, Discussion with students, exams

Recommended Books:

1. Guyton, A.C. and Hall, J.E. 2010: Text book of Medical Physiology, 11th Edition. W.B. Saunders Company, Philadelphia
2. Hill, R.W., Wyse, G.A. and Anderson, M., 2016: Animal Physiology. 4th Ed. Sinauer
3. John E. Hall., 2015: Guyton and Hall textbook of Medical Physiology. 13th Ed. Elsevier Associates, Inc. New York
4. Moyes, C.D. and Schulte.P.M. 2015: Principles of Animal Physiology. 3rd Ed. Pearson New York
5. Randall, D., Burggren, W., French, K. and Fernald, R. Eckert. 2002: Animal Physiology. 5th Edition. W.H. Freeman and Company, New York
6. Widmaier, E., Raff, H. and Strang, K. 2013: Vander's Human Physiology: The Mechanisms of Body Function. 13th Ed. McGraw-Hill Education
7. Withers, P.C. 1992: Comparative Animal Physiology. Saunders College Publishing.