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DEPARTMENT	Zoology	
INSTITUTE	Deen Dayal Upadhyaya College (University of Delhi)	
COURSE OUTLINE	<p>The present course provides an insight into origin of life and the processes & patterns of evolution. It provides a range of evidences in support of evolution from fossils to molecular level using various examples. It helps the learners to understand the causes of variations, forces of evolution (both qualitative and quantitative), products of evolution (i.e. formation of new species) and loss of biodiversity by mass extinction events. Also, a brief account of human origin and evolution is discussed towards the end.</p>	
COURSE DETAILS		
S. No.	Module ID/ Lecture ID	Lecture Title/Topic
1	Lecture 1	Historical Review of Evolutionary Concepts-I (Various theories) (PART-1)
2	Lecture 2	Historical Review of Evolutionary Concepts-I (Various theories) (PART-2)
3	Lecture 3	Historical Review of Evolutionary Concepts-II (Lamarckism and Darwinism) (PART-1)
4	Lecture 4	Historical Review of Evolutionary Concepts-II (Lamarckism and Darwinism) (PART-2)
5	Lecture 5	Life's Beginning (Biochemical theory of origin of life) (PART-1)
6	Lecture 6	Life's Beginning (Biochemical theory of origin of life) (PART-2)
7	Lecture 7	Evidences of Evolution (PART-1)

8	Lecture 8	Evidences of Evolution (PART-2)
9	Lecture 9	Evidences of Evolution (Paleontological Evidences) (PART-1)
10	Lecture 10	Evidences of Evolution (Paleontological Evidences) (PART-2)
11	Lecture 11	Evidences of Evolution (Paleontological Evidences) (PART-3)
12	Lecture 12	Evidences of Evolution (Geological Time Scale) (PART-1)
13	Lecture 13	Evidences of Evolution (Geological Time Scale) (PART-2)
14	Lecture 14	Evidences of Evolution (Phylogeny of Horse) (PART-1)
15	Lecture 15	Evidences of Evolution (Phylogeny of Horse) (PART-2)
16	Lecture 16	Evidences of Evolution (Molecular Evidences) (PART-1)
17	Lecture 17	Evidences of Evolution (Molecular Evidences) (PART-2)
18	Lecture 18	Evidences of Evolution (Phylogenetic Trees) (PART-1)
19	Lecture 19	Evidences of Evolution (Phylogenetic Trees) (PART-2)
20	Lecture 20	Variation: Raw Material for Evolution-I (PART-1)
21	Lecture 21	Variation: Raw Material for Evolution-I (PART-2)
22	Lecture 22	Variation: Raw Material for Evolution-II (PART-1)
23	Lecture 23	Variation: Raw Material for Evolution-II (PART-2)
24	Lecture 24	Variation: Raw Material for Evolution-II (PART-3)
25	Lecture 25	Forces of Evolution: Qualitative Studies (PART-1)
26	Lecture 26	Forces of Evolution: Qualitative Studies (PART-2)
27	Lecture 27	Forces of Evolution: Quantitative Studies (PART-1)

28	Lecture 28	Forces of Evolution: Quantitative Studies (PART-2)
29	Lecture 29	Products of Evolution-I (PART-1)
30	Lecture 30	Products of Evolution -I (PART-2)
31	Lecture 31	Products of Evolution -II (PART-1)
32	Lecture 32	Products of Evolution -II (PART-2)
33	Lecture 33	Mass Extinctions (PART-1)
34	Lecture 34	Mass Extinctions (PART-2)
35	Lecture 35	Human Origin and Evolution (PART-1)
36	Lecture 36	Human Origin and Evolution (PART-2)

References:

- Ridley, M. (2004). Evolution. IIIrd Edition, Blackwell Publishing.
- Hall, B.K. and Hallgrimson, B. (2014). Strickberger's Evolution. Vth Edition, Jones and Barlett Publishers.
- Douglas, J. Futuyma and Mark Kirkpatrick (2017). Evolution. IVth Edition, Sinauer Associates.