

Lesson Plan
Mehr Chand Mahajan DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans- Odd Semester (Semester-I)
Session – 2023-24
Department- Zoology
Name of the Teacher- Dr. Neetu
Class- B.Sc. I (Medical)
Single section
Subject- Zoology

Paper–II: Biodiversity & Cell Biology-II (ZOO-102)

Month	Date		Topics to be Covered	Academic Activity to be Undertaken
	From	To		
July	21.07.2023	31.07.2023	Lysosomes: Lysosomal enzymes, Polymorphism and functions Centrosome: Structure and functions	Power point presentation, group discussion, assignments, Flipped classroom method
Departmental Meeting on 03.08.2023 to review the progress of syllabus as per lesson plans				
August	01.08.2023	31.08.2023	Detailed study of the following animal types: Platyhelminthes: <i>Fasciola, Taenia</i> Classification upto orders with brief ecological note and economic importance (if any) of the following: Platyhelminthes: <i>Dugesia, Schistosoma and Echinococcus</i>	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using museum specimens, group discussions
Departmental Meeting on 02.09.2023 to review the progress of syllabus as per lesson plans				
September	01.09.2023	30.09.2023	Detailed study of the following animal types Aschelminthes: <i>Ascaris</i> Classification upto orders with brief ecological note and economic importance (if any) of the following: Aschelminthes: <i>Ascaris, Oxyuris, Wuchereria</i> Parasitic adaptations in Helminths	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using museum specimens, group discussions
Departmental Meeting on 03.10.2023 to review the progress of syllabus as per lesson plans				
October	01.10.2023	31.10.2023	Detailed study of the following animal type: Annelida: <i>Pheretima</i> Classification upto orders with brief ecological note and economic importance (if any) of the following: Annelida: <i>Nereis, Polynoe, Eunice, Arenicola, Aphrodite, Amphitrite, Chaetopterus, Tubifex and Pontobdella.</i> MST	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using museum specimens, group discussions
Departmental Meeting on 02.11.2023 to review the progress of syllabus as per lesson plans				

November	01.11.2023	18.11.2023	<p>Ribosomes: Types of ribosomes, their structure and functions</p> <p>Cell transformation into Cancer: Introduction, difference between normal and Cancer cells, types of cancer, basic idea of transformation.</p> <p>Cellular basis of immunity: Cellular & Humoral immunity. Elementary idea of cells & organs of the immune system</p> <p>Nucleus: Structure and functions of nuclear membrane, nucleolus and chromosomes. Euchromatin & Heterochromatin</p> <p>Revision and Class test</p>	Power point presentation, group discussion, assignments, Flipped classroom method
Departmental Meeting on 20.11.2023 to review the completion of syllabus as per lesson plans				
End semester Examination 27.11.2023 to 30.12.2023				

Lesson Plan
Mehr Chand Mahajan DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans- Even Semester (Semester-II)
Session – 2023-24
Department- Zoology
Name of the Teacher- Dr. Neetu
Class- B.Sc. I (Medical)
Single section
Subject- Zoology

Paper-II: BIODIVERSITY & ECOLOGY - II (ZOO-202)

Month	Date		Topics to be Covered	Academic Activity to be Undertaken
	From	To		
January	09.01.2024	31.01.2024	<p>Detailed study of the following animal type: Mollusca: <i>Pila</i></p> <p>Classification up to orders with ecological notes and economic importance (if any) Mollusca: <i>Chiton, Anodonta, Mytilus, Ostrea, Cardium, Pholas, Solen (RazorFish), Pecten, Haliotis, Patella, Aplysia, Doris, Limax, Loligo, Sepia, Octopus, Nautilus and Dentalium</i></p>	<p>Power point presentation, group discussion, assignments, Flipped classroom method</p> <p>Practical demonstration using museum specimens, group discussions</p>
Departmental Meeting on 02.02.2024 to review the progress of syllabus as per lesson plans				
February	01.02.2024	29.02.2024	<p>Detailed study of the following animal types: Echinodermata: <i>Asterias, Echinoderm Larvae.</i></p> <p>Classification up to orders with ecological notes and economic importance (if any) Echinodermata: <i>Echinus, Cucumaria, Ophiothrix, Antedon and Asterias.</i></p> <p>MST</p>	<p>Power point presentation, group discussion, assignments, Flipped classroom method</p> <p>Practical demonstration using museum specimens, group discussions</p>
Departmental Meeting on 02.03. 2024 to review the progress of syllabus as per lesson plans				
March	01.03.2024	31.03.2024	<p>Detailed study of the following animal types: Hemichordata: <i>Balanoglossus, External characters and affinities.</i></p> <p>Classification up to orders with ecological notes and economic importance (if any): Hemichordata: <i>Balanoglossus.</i></p> <p>MST</p>	<p>Power point presentation, group discussion, assignments, Flipped classroom method</p> <p>Practical demonstration using museum specimens, group discussions</p>
Departmental Meeting on 02.04.2024 to review the progress of syllabus as per lesson plans				
April	01.04.2024	22.04.2024	<p>Natural resources: Renewable and nonrenewable natural resources and their conservation.</p> <p>Environmental Degradation: Causes,</p>	<p>Power point presentation, group discussion, assignments, Flipped classroom method</p>

			<p>impact and control of environmental pollution. (Air, Water, Land, Noise)</p> <p>Inter and intra ecological relationships: Competition, predation, parasitism, commensalism, amensalism & mutualism</p> <p>Biotic community: Characteristics, ecological succession, ecological niche.</p> <p>Revision and Class test</p>	
<p>Departmental Meeting on 24.04.2024 to review the completion of syllabus as per lesson plans</p>				
<p>End semester Examination 02.05.2024 to 05.06.2024</p>				