

**Lesson Plan for Course:... Applied Zoology. Code...ZOOGDSE01T. Credit.....06.**

- Course coordinator:.....Subharaj Paul
- Course Outcome
- **CO1:** In this DSE course component, students can learn about the different animal interaction, emphasizing on the influence of parasitism.
- **CO2:** To understand the Epidemiology of Diseases.
- **CO3:** To know about the different group of parasite and their life cycle and pathogenesis.
- **CO4:** To learn about the pest and pest management.
- **CO5:** Students can also learn about livestock industry, their problem and management.

**Course planner**

Sl	Course Topic	Teacher	Class-hour	Remarks*
Jul	<b>Unit-1</b> Host, Definitive host, Intermediate host, Parasitism,	SP	01	Online lecture method and PPT presentation, youtube animation.
Aug	Symbiosis, Commensalism,	SP	01	
	Reservoir, Zoonosis	SP	01	
	<b>Schedule for Class Exam on 28<sup>th</sup> Aug on Unit-1 in Google classroom.</b>		<b>01</b>	<b>Qu-answer method</b>
	<b>Unit-2:</b> Transmission, Prevention and control of diseases: Tuberculosis,	SP	04	Provide pdf material.
	Typhoid.	SP	03	
	<b>Unit-3</b> Brief account of <i>Rickettsia prowazekii</i> ,.	SP	01	
	<i>Borrelia recurrentis</i> and	SP	01	
	<i>Treponema pallidum</i>	SP	01	
Sep	<b>Unit-5:</b> Life history and pathogenicity of <i>Ancylostoma duodenale</i> and	SP	02	
	<i>Wuchereria bancrofti</i>	SP	02	
	<b>Schedule for Class Exam on 05<sup>th</sup> Sept on Unit-5 in Google classroom.</b>		<b>01</b>	<b>Qu-answer method</b>
	<b>Unit-4:</b> Life history and pathogenicity of <i>Entamoeba histolytica</i> ,	SP	02	
	<i>Plasmodium vivax</i> and	SP	02	
	<i>Trypanosoma gambiense</i>		02	
	<b>Schedule for class Exam on 25<sup>th</sup> Sept on Unit-4 in Google classroom.</b>		<b>01</b>	<b>Qu-answer method</b>
	<b>Assessment: Mid-term Test</b>			
Oct	<b>Unit-6</b> Biology, Control and damage caused by <i>Helicoverpa armigera</i> ,	SP	02	
	<i>Pyrilla perpusilla</i> and	SP	01	
	<i>Papilio demoleus</i> , <i>Callosobruchus chinensis</i> ,	SP	03	
	<b>Schedule for class exam on 19<sup>th</sup> Oct on Unit-6 in Google classroom.</b>		01	Qu- Answer method.
				Oct 22 <sup>nd</sup> to 17 <sup>th</sup> Nov

				Puja vacation.
Nov	<i>Sitophilus oryzae and Tribolium castaneum</i>	SP	02	
	<b>Unit-7:</b> Medical importance and control of <i>Pediculus humanus corporis</i>	SP	01	
Dec	<i>Anopheles, Culex, Aedes,</i>	SP	03	
	<i>Xenopsylla cheopis</i>	SP	01	
	<b>Unit-8:</b> Preservation of semen and artificial insemination in cattle.	SP	01	
	<b>Unit-9:</b> Principles of poultry breeding, Management of breeding stock and broilers, Processing and preservation of eggs.	SP	02	
	<b>Unit-10:</b> Genetic improvements in aquaculture industry; Induced breeding and transportation of fish seed	SP	01	
	<b>Assessment: End-term Test</b>		Total: 44 Hrs	

## Resources:

1. Books: Parasitology by K D Chatterjee.
2. Other resources: different website source such as Wikipidia, youtube etc.

\*Remarks will specify

- The nature of the class-topic (viz. Theoretical, Practical, and Tutorial).
- Methodology of teaching (whether using ICT, engaging students in group discussion, quiz etc. etc.)
- Different modes of assessment. (Please check UGC evaluation reforms).