

**Singhania University**

( UGC- recognized university per section 2(f) of the UGC Act 1956)

**COURSE OUTLINE**

<b>COURSE TITLE</b>	Biosystematics and Biodiversity
Course Code	ZOO-101
Credits	4 ( L: 3 ,P:2 ,5)
Faculty Name	Dr. PREETI SENGAR GARG
Program	MASTER IN ZOOLOGY
Academic Year and Semester	w.e.f. 2024-25, 1 <sup>st</sup> Semester

**1. Course Description**

different variety of plant and Differentiate them

**2. At the end of this course, students should be able to:**

1. Understand the different variety of plant .
2. Differentiat Microbes,
3. Familiar about their family , class and examples

**3. Required Textbook and Reference Material:**

- Material will be provided by faculty.

**4. Session Plan :**

Session plan will be provided by faculty members according to the syllabus.

**5. Evaluation:**

<b>COMPONENT</b>	<b>WEIGHTAGE</b>	<b>DETAILS</b>
Assignment	10%	Sheet Work( A-4 Size sheet in a well mannered way )
Tests	10%	Test would be taken to assess the knowledge about topics related to daily basis classes.
Attendance & Classroom participation	10%	Students should have at least 75% attendance

Mid- Sem Exam	20%	Mid term exam must be cleared by students for appearing in final examination.
End- Sem Exam	50%	The end term exam must be cleared for appearing in next semester with a minimum passing criteria .

## 6. Academic Integrity:

- Please note that students involved in academic dishonesty will receive a **ZERO** grade on the particular component in which the infraction occurred.
- Academic dishonesty consists of misrepresentation by deception or by other fraudulent means. In an academic setting this may take the form of copying or use of unauthorized aids in tests, assignments, examinations, term papers, or cases; plagiarism; talking during in-class examinations; submission of work that is not your own without citation; submission of work generated by another person; aiding and abetting another student's dishonesty; and giving false information for the purpose of gaining credits.

## 7. No Network Policy

Students cannot operate any network enabled devices such as cell phones, e- tabs, I -pads or any other electronic network enabled devices inside the classroom during the sessions unless specifically instructed by the faculty. In case you are compelled to carry it in person, you may keep it in the switched off mode. Anyone found to operate such devices during the session timings will be penalized as per the rules. No discussion or negotiation will be entertained at all with respect to this.

<b>COURSE TITLE</b>	Applied Entomology
Course Code	ZOO-102
Credits	4 ( L: 3 ,P:2 ,5)
Faculty Name	Dr. PREETI SENGAR GARG
Program	MASTER IN zoology
Academic Year and Semester	w.e.f. 2024-25, 1 <sup>st</sup> sem

## 1. Course Description

Study of Entomology

## 2. Student Learning Outcomes :

**At the end of this course, students should be able to:**

After completing this course, the learner will be able to:

1 variation in Entomology

### 3. Required Textbook and Reference Material:

- Material will be provided by faculty.

### 4. Session Plan :

Session plan will be provided by faculty members according to the syllabus.

### 5. Evaluation:

COMPONENT	WEIGHTAGE	DETAILS
Assignment	10%	Sheet Work( A-4 Size sheet in a well mannered way )
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<b>COURSE TITLE</b>	Molecular Cell Biology
Course Code	ZOO-103
Credits	2 ( L: 1 ,P: 1,2)
Faculty Name	Dr. PREETI SENGAR GARG
Program	MASTER IN ZOOLOGY
Academic Year and Semester	w.e.f. 2024-25, 1 <sup>st</sup> Semester

### 1. Course Description

Molecular Cell Biology is a program in life Science . The objective of this subject is to enable the students to prepare data in a best way.

### 2. Student Learning Outcomes :

**At the end of this course, students should be able to:**

Technique used in the field and learn about various tools +

### 3. Required Textbook and Reference Material:

- Material will be provided by faculty.

### 4. Session Plan :

- Session plan will be provided by faculty members according to the syllabus.

### 5. Evaluation:

COMPONENT	WEIGHTAGE	DETAILS
Assignment	10%	Sheet Work( A-4 Size sheet in a well mannered way )
Tests	10%	Test would be taken to assess the knowledge about topics related to daily basis classes.
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<b>COURSE TITLE</b>	Ecology and Environmental Pollution
Course Code	ZOO-104
Credits	4 (L:3 ,T:1, 4)
Faculty Name	Dr. PREETI SENGAR GARG
Program	MASTER IN ZOOLOGY
Academic Year and Semester	w.e.f. 2024-25, 1 <sup>st</sup> Semester

### 1. Course Description

Ecology and Environmental Pollution is program in ZOOLOGY .The objective of this is to enable the students to ensure the connection of daily life in biotechnology field .

## 2. Student Learning Outcomes :

At the end of this course, students should be able to:

1. learn different type of vaccine and medicine preparation and role of biodiversity

## 3. Required Textbook and Reference Material:

- Material will be provided by faculty.

## 4. Session Plan :

- Session plan will be provided by faculty members according to the syllabus.

## 5. Evaluation:

COMPONENT	WEIGHTAGE	DETAILS
Assignment	10%	Sheet Work( A-4 Size sheet in a well mannered way )
Tests	10%	Test would be taken to assess the knowledge about topics related to daily basis classes.
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will be entertained at all with respect to this.

<b>COURSE TITLE</b>	Physiological Chemistry
Course Code	ZOO-201
Credits	2 (L:1 ,T:1, 2)
Faculty Name	Dr. PREETI SENGAR GARG
Program	MASTER IN ZOOLOGY
Academic Year and Semester	w.e.f. 2024-25, 2 <sup>nd</sup> Semester

### 1. Course Description

Physiological Chemistry is an essential subject

### 2. Student Learning Outcomes :

**At the end of this course, students should be able to:**

1 After completing this course, the learner will demonstrate knowledge of Physiological Chemistry

### 3 Required Textbook and Reference Material:

- Material will be provided by faculty.

### 4. Session Plan :

- Session plan will be provided by faculty members according to the syllabus.

### 5. Evaluation:

COMPONENT	WEIGHTAGE	DETAILS
Assignment	10%	Sheet Work( A-4 Size sheet in a well-mannered way )
Tests	10%	Test would be taken to assess the knowledge about topics related to daily basis classes.
Attendance & Classroom participation	10%	Students should have at least 75% attendance
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<b>COURSE TITLE</b>	Bioinstrumentation and Biostatistics
Course Code	ZOO-202
Credits	3 ( T:3 P:0,3)
Faculty Name	Dr. preeti sengar garg
Program	Master in ZOOLOGY
Academic Year and Semester	w.e.f. 2024-25, 2nd Semester

### 1. Course Description

Bioinstrumentation and Biostatistics IS A PROGRAMM OF ZOOLOGY

### 2. Student Learning Outcomes :

**At the end of this course, students should be able to:**

1. Learn and correlate Pteridophytes and Gymnosperms

### 3. Required Textbook and Reference Material:

- Material will be provided by faculty.

### 4. Session Plan :

- Session plan will be provided by faculty members according to the syllabus.

### 5. Evaluation:

COMPONENT	WEIGHTAGE	DETAILS
Assignment	10%	Sheet Work( A-4 Size sheet in a well mannered way )



Tests	10%	Test would be taken to assess the knowledge about topics related to daily basis classes.
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<b>COURSE TITLE</b>	Anatomy and Physiology
Course Code	ZOO -203
Credits	4 (L:3 ,T:1 ,4)
Faculty Name	Dr. PREETI SENGAR GARG
Program	MASTER IN ZOOLOGY
Academic Year and Semester	w.e.f. 2024-25, 2 <sup>nd</sup> Semester

## 1. Course Description

Anatomy and Physiology is an essential program master in zoology

## 2. Student Learning Outcomes :

**At the end of this course, students should be able to:**

**Learn about anatomy and physiology of frog etc ..**

**3. Required Textbook and Reference Material:**

- Material will be provided by faculty.

**4. Session Plan :**

- Session plan will be provided by faculty members according to the syllabus.

**5. Evaluation:**

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be entertained at all with respect to this.

<b>COURSE TITLE</b>	Biology of Parasites
Course Code	zoo-204
Credits	3( L:2,T:1,3)
Faculty Name	Dr.PREETI SENGAR GARG
Program	MASTER IN ZOOLOGY
Academic Year and Semester	w.e.f. 2024-25, 2 <sup>nd</sup> Semester

### 1. Course Description:

Biology of Parasites IS A MAJOR **course**” in MASTER IN ZOOLOGY

### 2. Student Learning Outcomes :

**At the end of this course, students should be able to:**

1. Gain knowledge of different developmental stage of vertebrae

### 3. Required Textbook and Reference Material:

- Material will be provided by faculty.

### 4. Session Plan :

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### 5. Evaluation:

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