

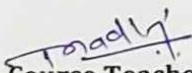
**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**  
**Department of Zoology and Fishery Science**  
**Structured Work Plan for Teaching**  
**Academic Year 2020-21 (Term-I)**

**1. Details of Classes to be taught**

Class	Name of Teacher	Course Title	Course Code	Practical paper code	Total Teaching Hours
B.Sc.F.Y. (Sem - I)	Miss. Madhuri Y. Bhande	Paper I: Taxonomy, Ecology and General Topics	U-FIS-162	Lab Course-I	Th-45

**2. Summary of Lesson Plan**

Sr. No.	Unit and Chapter to be covered	Date From	Date To	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	<b>Unit I</b> Scope and importance of fishery science Evolution of fishes.	03/08/2020	06/09/2020	10	-	
2	<b>UNIT-II</b> Introduction, self regulation of stock Predator-prey relationship Physico-chemical properties of freshwater and marine water Plankton and blooms.	07/09/2020	08/09/2020	11	Poster Presentation	Unit Test -I
3	<b>Unit III</b> Migration in fishes Air bladder. Weberian ossicles in fishes.	09/10/2020	07/11/2020	12	Seminar	Assignment
4	<b>Unit IV</b> Light producing, Electric organs, Sound producing organs, Poison glands in fishes	08/11/2020	16/12/2020	12	Group Discussion	Unit Test -II

  
**Course Teacher**

Miss. Madhuri Y. Bhande

  
**HoD**

Dr. D.S. Rathod

**Head**  
 Department of Zoology & Fishery Science  
 Rajarshi Shahu Mahavidyalaya,  
 Latur (Autonomous)

  
**Principal**

Dr. M.H. Gavhane

**PRINCIPAL**  
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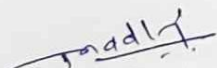
**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**  
**Department of Zoology and Fishery Science**  
**Structured Work Plan for Teaching**  
**Academic Year 2020-21 (Term-I)**

**3. Details of Classes to be taught**

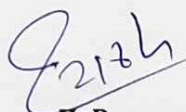
Class	Name of Teacher	Course Title	Course Code	Practical paper code	Total Teaching Hours
B.Sc.S.Y. (Sem - III )	Miss. Madhuri Y. Bhande	Paper VI: Fish Biology And Harvest Technology Course Code: U-Fis-372	U-FIS-162	Lab Course-I	Th-45

**4. Summary of Lesson Plan**

Sr. No.	Unit and Chapter to be covered	Date From	Date To	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	<b>UNIT I:</b> Growth Studies: Age and Growth Studies in Fishes:	10/07/2020	05/08/2020	12	Seminar	Surprise Test
2	<b>UNIT II:</b> Maturity and Spawning in fishes:	06/08/2020	07/09/2020	12	Seminar	Assignment
3	<b>UNIT III</b> Methods of fishing and fishing gear	08/09/2020	07/10/2020	12	Seminar	Assignment
4	<b>UNIT IV:</b> Indigenous fishing crafts-Gears	08/10/2020	06/11/2020	12	Group Discussion	Surprise Test

  
**Course Teacher**

Miss. Madhuri Y. Bhande

  
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**Department of Zoology and Fishery Science**  
**Structured Work Plan for Teaching**  
**Academic Year 2020-21 (Term-I)**

**1. Details of Classes to be taught**

Class	Name of Teacher	Course Title	Course Code	Practical paper code	Total Teaching Hours
M.Sc.F.Y. (Sem - I)	Miss. Madhuri Y. Bhande	Biochemistry	P-BIO-184	Lab Course IV	Th-60

**2. Summary of Lesson Plan**

Sr. No.	Unit and Chapter to be covered	Date From	Date To	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	<b>UNIT I:</b> Biomolecules Characteristic features, Amino acids, peptides and polypeptides, Carbohydrates, Lipids	01/01/2021	30/01/2021	15	Seminar	Surprise Test
2	<b>UNIT II:</b> Carbohydrate and Lipid metabolism, Citric acid cycle, Dark reactions of Photosynthesis.	01/02/2021	28/02/2021	14	ICT Lecture	Assignment
3	<b>UNIT III:</b> Lipid and protein metabolism, Lipid Metabolism, Amino acid metabolism	01/03/2021	25/03/2021	16	Seminar	Assignment
4	<b>UNIT IV:</b> Nucleotide Metabolism and Enzymology, Enzymology, Isoenzyme: structure and function	26/03/2021	12/04/2021	15	Group Discussion	Surprise Test

**Course Teacher**

Miss. Madhuri Y. Bhande

**HoD**

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**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

**Department of Zoology and Fishery Science**

**Structured Work Plan for Teaching**

**Academic Year 2020-21 (Term-II)**

**1. Details of Classes to be taught**

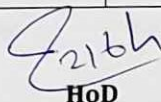
Class	Name of Teacher	Course Title	Course Code	Practical paper code	Total Teaching Hours
B.Sc.F.Y. (Sem - II)	Miss. Madhuri Y. Bhande	Paper III : Fish Seed Production technology-	U-FIS-165	Lab Course -II	Th-45

**2. Summary of Lesson Plan**

Sr. No.	Unit and Chapter to be covered	Date From	Date To	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	UNIT I: Bundh breeding: Types of bundhs, Preservation and storage of pituitary gland	16/03/2021	06/04/2021	12		Surprise Test
2	UNIT II: Fish seed trade and transport, open and close transportation system	07/04/2021	30/04/2021	12	ICT	Assignment
3	UNIT III Hatcheries and management (Principle, Structure and Management)	01/05/2021	15/05/2021	11	Seminar	Assignment
4	UNIT IV: The Reverie System of India	16/05/2021	30/05/2021	10	Group Discussion	Surprise Test

  
**Course Teacher**

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**Department of Zoology and Fishery Science**  
**Structured Work Plan for Teaching**  
**Academic Year 2020-21 (Term-II)**

**1. Details of Classes to be taught**

Class	Name of Teacher	Course Title	Course Code	Practical paper code	Total Teaching Hours
B.Sc.S.Y. (Sem – IV)	Miss. Madhuri Y. Bhande	Paper VII: Culture & Breeding of Ornamental Fishes and Aquarium Keeping	U-FIS-471	Lab Course -V	Th-45

**2.Summary of Lesson Plan**

Sr. No.	Unit and Chapter to be covered	Date From	Date To	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	Unit I : 1 Aquarium Setting, Aquarium Fishes.	22/02/2021	07/03/2021	09	Seminar	Surprise Test
2	UNIT-II : - Aquarium Maintenance, Food and its Types	08/03/2021	30/03/2021	11	Seminar	Assignment
3	Unit III : Breeding of Aquarium Fishes, Equipment management while breeding fish	01/04/2021	30/04/2021	13	Seminar	Assignment
4	Unit IV: Hybridization of ornamental fishes.	01/05/2021	30/05/2021	11	Group Discussion	Surprise Test

  
Course Teacher

Miss. Madhuri Y. Bhande

  
HoD

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**Academic Year 2020-21 (Term-II)**


**1. Details of Classes to be taught**

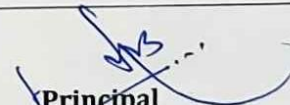
Class	Name of Teacher	Course Title	Course Code	Practical paper code	Total Teaching Hours
B.Sc.S.Y. (Sem – IV)	Miss. Madhuri Y. Bhande	Molecular Biology and Genetic Engineering	U-ZOO-464	-	Th-45

**1. Summary of Lesson Plan**

Sr. No.	Unit and Chapter to be covered	Date From	Date To	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	UNIT I: Introduction to Molecular Biology. DNA, RNA and genetic codes.	22/02/2021	07/03/2021	10	Seminar -	Surprise Test
2	UNIT II: Protein synthesis, Exons and Introns, Lac operon,	08/03/2021	30/03/2021	12	Seminar	Assignment
3	UNIT III: introduction to genetic engineering- Mendel's to Molecules	01/04/2021	30/04/2021	12	Seminar	Assignment
4	UNIT IV: Linking of desired gene with vector DNA, transgenesis and Transgenic animals	01/05/2021	30/05/2021	12	Group Discussion	Surprise Test

  
**Course Teacher**  
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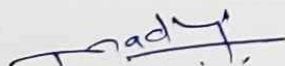
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**1 Details of Classes to be taught**

Class	Name of Teacher	Course Title	Course Code	Practical paper code	Total Teaching Hours
M.Sc.F.Y. (Sem - II)	Miss. Madhuri Y. Bhande	Genetics and r-DNA Technology	P-GRD-283	Lab Course VII	Th-60

**2. Summary of Lesson Plan**

Sr. No.	Unit and Chapter to be covered	Date From	Date To	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	<b>UNIT I:</b> Transmission Genetics, Allelic variation and gene function, Chromosome theory of inheritance	22/04/2021	10/05/2021	15		
2	<b>UNIT II:</b> Sex linked Genes and Chromosomal mutations. Maternal Inheritance.	11/05/2021	25/05/2021	15	Seminar	Assignment
3	<b>UNIT III:</b> Principles of Gene Manipulation.	26/05/2021	06/06/2021	15	ICT teaching	Assignment
4	<b>UNIT IV:</b> Methods and Applications of rDNA Technology.	07/06/2021	14/06/2021	15	Group Discussion	Surprise Test

  
**Course Teacher**

Miss. Madhuri Y. Bhande



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