

FATIMA COLLEGE (Autonomous), MADURAI-625018
MINUTES OF THE BOARD OF STUDIES

NAME OF THE DEPARTMENT: B.Sc ZOOLOGY

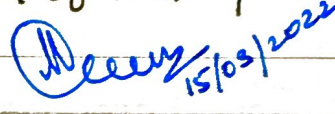
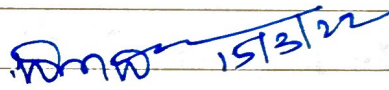
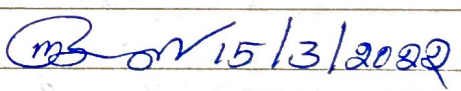
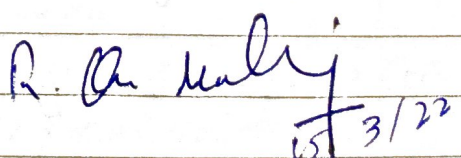
TO BE IMPLEMENTED FROM: 2022-2023 ONWARDS

VENUE: Department of Zoology

CONVENED ON: 15.03.2022

CONVENED AT: 02.00 pm

MEMBERS PRESENT:

1. Dr. A. Tamil Selvi	Head of the Department  15/03/2022
2. Dr. Capt. N. Arun Nagendran Associate Professor PG & Research Department of Zoology Thiagarajar College Madurai - 625009	University Nominee  15/3/22
3. Dr. F. Brisca Renuga Associate Professor Department of Zoology Holy Cross College (Autonomous) Nagercoil - 04	Subject Expert (Zoology)  15/3/2022
4. Dr. R. Uma Maheswari Assistant Professor PG Department of Zoology Arulmigu Palaniandavar Arts college for women Palani - 624 615	Subject Expert (Zoology)  15/3/22

5.	Dr. A. Vanniarajan Scientist Aravind Medical Research Foundation Madurai - 625 020	Industrialist / Scientist A. Vanniarajan 15/03/2022
6.	Miss. S. Susaritha Research Scholar PG & Research Department of Zoology The American College Madurai - 625 020	Alumna S. Susaritha 15/03/22
7.	Dr. N. Malathi	Dean of Academic Affairs N. Malathi 15/3/22
8.	Dr. Antony Amala Jayaseeli	Staff member
9.	Dr. N. Malathi	Staff member N. Malathi 15/3/22
10.	Dr. Sr. Biji cyriac	Staff member (absent)
11.	Dr. V. Bharathy	Staff member V. Bharathy 15.3.22
12.	Dr. N. Nagarani	Staff member N. Nagarani 15/3/2022
13.	Dr. S. Barathy	Staff member S. Barathy 15/3/22
14.	Mrs. J. Thelma	Staff member Thelma 15/3/22
15.	Dr. K. Manimegalai	Staff member K. Manimegalai 15/3/22

MINUTES OF THE BOARD OF STUDIES:

1. ACTION TAKEN REPORT FOR 2021-2022 B.Sc Zoology

S. NO	COMMON SUGGESTIONS OFFERED IN THE PREVIOUS BOARD	ACTION TAKEN FOR THE ACADEMIC YEAR 2021-22
1.	Group projects/Field Projects maybe given to UG students to document local Biodiversity.	Group Projects/Field projects are given to UG students to document local Biodiversity.
2.	The DOER may have a minimum of 5 links for each paper.	5 links have been included in the DOER of each course to maintain uniformity.

CHANGE OF COURSE TITLE					
S. NO	OLD COURSE CODE	NEW COURSE CODE	OLD COURSE TITLE	NEW COURSE TITLE	NEED FOR CHANGE
1.	Z5CC11	19Z5CC13	Biochemistry	Fundamentals of Biochemistry	As per the guidelines of Academic Deans to avoid repetition of course title
2.	Z6CC14	19Z6CC17	Immunology	Basic Immunology	As per the guidelines of Academic Deans to avoid repetition of course title.
3.	Z6CC15	19Z6CC18	Biotechnology	Principles of Biotechnology	As per the guidelines of Academic Deans to avoid repetition of course title

NEW COURSES INTRODUCED										
S. NO	COURSE CODE	COURSE TITLE	RELEVANCE TO				SCOPE FOR			NEED FOR INTRODUCTION
			L	R	N	G	EMP	ENT	SD	
1.	19Z5ME2	Animal Behaviour	L	R	N	G	-	-	SD	To introduce the classical aspects of Zoology
2.	19Z5CC15	Lab - Biochemical Analysis	-	-	N	G	EMP	-	SD	Implementation of Semesterwise Practical

3.	19Z5CC16	Lab-molecular Biology	-	-	N	G	EMP	-	SD	Implementation of semester wise Practical
4.	19Z6CC19	Lab-Immunology	-	-	N	G	EMP	-	SD	Implementation of semester wise Practical
5.	19Z6CC20	Lab-Biotechnology	-	-	N	G	EMP	-	SD	Implementation of semester wise Practical
6.	21Z2SL1	Single cell Protein Culture	L	R	N	G	EMP	ENT	SD	Offered to the Advanced Learners

REVISED COURSES

S. NO	COURSE CODE & TITLE	UNIT NO & REVISED CONTENT	Y. of Revision	NEED FOR REVISION	RELEVANCE TO				SCOPE FOR		
					L	R	N	G	EMP	ENT	SD
1.	19Z5ME1 Biostatistics	Unit-IV - Correlation & Regression - Goodness of fitness (problem) and in Unit-V - Test of Variance Student's t test can be specified.	2%	As per the recommendation of Subject Expert	L	R	N	G	EMP	-	SD
2.	19Z5SB3 Ornamental Fish Culture	Entrepreneurial aspects can be included in unit I - Introduction to Aquarium	2%	As per the recommendation of Subject Expert	L	R	N	G	EMP	ENT	SD
3.	19Z5SB4 Sericulture	The topic - National Sericulture Project (NSP) can be included in unit-I, Introduction to Sericulture	5%	As per the recommendation of Subject Expert	L	R	N	G	EMP	ENT	SD
4.	19Z6ME6 Entomology	The topic Lac insect-culture & harvesting can be included in unit-III Beneficial insects	5%	As per the recommendation of Subject Expert	L	R	N	G	-	-	SD
5.	19Z6CC20 Lab-Biotechnology	one example can be specified for Holometabolous (Butterfly), Hemimetabolous (Cockroach) insects	5%	As per the recommendation of Subject Expert	L	R	N	G	EMP	-	SD

compost-spawning-methods

Types, Storage-Spawn running

3. 19Z5CC15
Lab -
Biochemical
Analysis

Sakaguchi test & separation of amino acids by circular paper chromatography are included under experiments. Thin Layer chromatography is included as spotter.

10% As per the
guidelines
of Academic
Deans &
recommen-
dation of
course
Teachers

LRNG M- S
P D

4. 19Z5CC16
Lab -
molecular
Biology

Isolation of UV mutations using - colony plate - Replica plating, Setting up of Southern blotting, Chemical mutagenesis & Genotoxicity analysis are included under experiments.

Agarose gel electrophoresis & SDS-PAGE are included under spotters

10%. As per the guidelines of Academic Deans & Recommendation of Course Teachers

LRNG E-S
M-P-D

5. 1925ME2
Animal
Behaviour

The Following topics are included - Unit - I - Introduction to Animal Behaviour - Hormonal regulation of behaviour, Ethogram Unit - III Social & Reproductive Behaviour, Reproductive behaviour - strategies & mating systems, Mating behaviour of Penguins

As per the guidelines of Academic 10%. Deans & recommendation of course Teachers

L R N G - - S
D

6. 19Z6CC19
Lab -
Immunology

ELISA, Western Blot & Flow cytometry are included under Immunology Spotters.

As per the
10% guidelines
of Academic

LRNGMP-SD

5. Introduction of Purely Skill-Embedded certificate / Diploma / Advanced Diploma NIL

S.NO	COURSE CODE	COURSE TITLE	SKILLS SHARPENED	COURSE OUTCOME
-	-	NIL	-	-

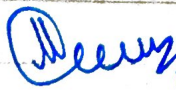
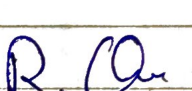
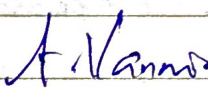
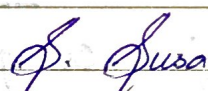
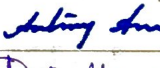
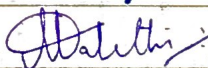
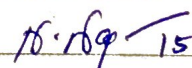
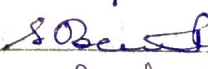
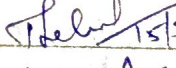
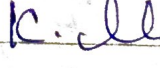
6. Approval of Ph.D Course Work Syllabus: NIL

7. Rubrics for Project: NA

S.NO	C1 20 MKS	C2 20 MKS	CIA TOTAL 40 MKS	EXTERNAL 60 MKS
-	-	-	-	-

DETAILS OF SIGNED MOU: NIL

OTHER SUGGESTIONS	COMMENDATIONS
1. Hands-on Training may be provided to the students whenever possible. 2. Biostatistics problems can be given using real-time data collected from the field. 3. Internship may be included for all UG programmes.	1. Changes made in the course contents of revised courses are useful and relevant to the current need. 2. Introduction of the new skill based course on Poultry Farming improves employability of students.

Name of	Signature
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2. University Nominee Dr. Capt. N. Anur. Nagendran	 15/3/22
3. Subject Expert Dr. F. Brisca Renuga	 15/3/2022
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