

FATIMA COLLEGE (Autonomous), MADURAI-625018

MINUTES OF THE BOARD OF STUDIES

NAME OF THE DEPARTMENT: B.Sc Zoology

TO BE IMPLEMENTED FROM: 2021-2022 ONWARDS

VENUE: Google Meet - online

CONVENED ON: 12.04.2021

CONVENED AT: 02.00 p.m.

MEMBERS PRESENT:

1.	Dr. A. Tamil Selvi	Head of the Department <i>(Signature)</i> 12/04/2021
2.	Dr. Capt. N. Arun Nagendran Associate Professor PG & Research Department of Zoology Thiagarajar College Madurai - 625 009	University Nominee <i>Ar Ar</i> 12/04/2021
3.	Dr. F. Brisca Renuga Associate Professor Department of Zoology Holy Cross College (Autonomous) Nagercoil - 04	Subject Expert (Zoology) <i>(Signature)</i> 12/4/2021
4.	Dr. R. Uma Maheswari Assistant Professor PG Department of Zoology Aulmigu Palaniandavar Arts College for Women Palani - 625 020	Subject Expert (Zoology) <i>R. Uma Maheswari</i> 12/04/21

5.	Dr. A. Vanniarajan Scientist Aravind Medical Research Foundation Madurai - 625 020	Industrialist / Scientist <i>A. Vanniarajan</i> 12/04/2021
6.	Miss. S. Susaritha Research Scholar PG & Research Department of Zoology The American College Madurai - 625 020	Alumna <i>S. Susaritha</i> 12/04/2021
7.	Dr. N. Malathi	Dean of Academic Affairs <i>N. Malathi</i>
8.	Dr. Antony Amala Jayaseeli	Staff Member <i>Antony Amala Jayaseeli</i> 12/04/2021
9.	Dr. N. Malathi	Staff Member <i>N. Malathi</i>
10.	Dr. Sr. Biji Cyriac	Staff Member <i>Sr. Biji Cyriac</i> 12/04/2021
11.	Dr. V. Bharathiy	Staff Member <i>V. Bharathiy</i> 12/04/2021
12.	Dr. N. Nagarani	Staff Member <i>N. Nagarani</i> 12/04/2021
13.	Dr. S. Bharathiy	Staff Member <i>S. Bharathiy</i> 12/04/2021
14.	Mrs. J. Thelma	Staff Member <i>J. Thelma</i> 12/04/2021
15.	Miss. T. Malar Meenakshi	Staff Member <i>T. Malar Meenakshi</i> 12/04/2021

MINUTES OF THE BOARD OF STUDIES

1. ACTION TAKEN REPORT FOR 2020-2021 B.Sc ZOOLOGY

S.NO	COMMON SUGGESTIONS OFFERED IN THE PREVIOUS BOARD	ACTION TAKEN FOR THE ACADEMIC YEAR 2020-21
1.	Field visit may be included for Skill Based Courses	Field visit was included for Skill Based courses.
2.	Importance should be given for the usage of Full stop, comma and hyphen while Framing a syllabus	Usage of full stop, comma and hyphen was checked in the syllabi.

CHANGE OF COURSE TITLE

S. NO	OLD COURSE CODE	NEW COURSE CODE	OLD COURSE TITLE	NEW COURSE TITLE	NEED FOR CHANGE
1.	Z3SBI	19Z3SBI	Vermiculture	Vermitechnology	As per the recommendations of the Pre-board Members
2.	Z3ACQ1	19Q3ACZ1	Allied Botany-I	Plant Diversity & Pathology	As per the recommendations of Deans of Academic Affairs
3.	C3ACZ1	19Z3ACC1	Allied Zoology-I	Animal Diversity, Physiology & Genetics	As per the recommendations of Deans of Academic Affairs
4.	Z4ACQ2	19Q4ACZ3	Allied Botany-II	Developmental Botany & Plant Breeding	As per the recommendations of Deans of Academic Affairs
5.	C4ACZ2	19Z4ACC3	Allied Zoology-II	Cell & Molecular Biology	As per the recommendations of Deans of Academic Affairs

NEW COURSES INTRODUCED

S. NO	COURSE CODE	COURSE TITLE	RELEVANCE TO				SCOPE FOR			NEED FOR INTRODUCTION
			L	R	N	G	EMP	ENT	SD	
1.	19Z3CC9	Lab-Human Physiology & Environmental Biology	-	-	N	G	EMP	-	SD	Implementation of Semester-wise Practical
2.	19Q3ACZ2	Lab-Plant Diversity & Pathology	-	-	N	G	EMP	-	SD	Implementation of Semester-wise Practical
3.	19Z3ACC2	Lab-Animal Diversity, Physiology & Genetics	-	-	N	G	EMP	-	SD	Implementation of Semester-wise Practical
4.	19Z4CC12	Lab-Microbiology & Evolution	-	-	N	G	EMP	-	SD	Implementation of semesterwise Practical
5.	19Q4ACZ4	Lab-Developmental Botany & plant Breeding	-	-	N	G	EMP	-	SD	Implementation of Semester-wise Practical
6.	19Z4ACC4	Lab-Cell & Molecular Biology	-	-	N	G	EMP	-	SD	Implementation of semester-wise Practical
7.	19Z4SB2	Skill Based Course - Mushroom cultivation	L	R	N	G	EMP	ENT	SD	To enhance the employability & entrepreneurial aspects of the Programme

REVISED COURSES

S. N O	COURSE CODE & COURSE TITLE	UNIT NO & TITLE WITH REVISED CONTENT	% OF REVISION	NEED FOR REVISION	RELEVANCE TO				SCOPE FOR		
					L	R	N	G	EMP	ENT	SD
1.	19Z3CC7 Human Physiology	Unit-I-Digestive System The topic Absorption of vitamins & Minerals can be specified. Unit-III - Unit Title can be changed as Urogenital System	Nil	As per the recommendations of the Subject Expert	L	R	N	G	-	-	SD
2.	19Z3ACQ2 Lab-Plant Diversity & Pathology	Lab- Identification of Plant diseases can be included under spotters	2%	As per the recommendations of the Subject Expert	-	-	N	G	EMP	-	SD
3.	19Z4CC10 Microbiology	Unit-II - Bacteria The topics transformation & transduction can be included	2%	As per the recommendations of the Subject Expert	L	R	N	G	EMP	-	SD
4.	19Z4ACQ4 Lab - Developmental Botany & plant Breeding	Demonstration of Anaerobic Respiration can be included	Nil	As per the recommendations of the Subject Expert	L	R	N	G	EMP	-	SD

2.	Updation of open Educational Resources		
S. NO	COURSE CODE	COURSE TITLE	DETAILS OF UPDATION
1.	19Z2CC5	Genetics	https://bio.libretexts.org/Bookshelves/Genetics/Book%3A_Online_Open_Genetics_(Nickle_and_Barrette-Ng)
2.	19Z4CC10	Microbiology	https://microbiologysoceity.org/why-microbiology-matters/what-is-microbiology.html

3. REVISION OF COURSES

S. NO	COURSE CODE + COURSE TITLE	UNIT NO & TITLE WITH REVISED CONTENT	%. OF REVISION	NEED FOR REVISION	RELEVANCE TO				SCOPE FOR		
					L	R	N	G	E M P	E N T	SD
1.	19Z5ME1 Biostatistics	IN 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 recommendations of the Subject Expert	L	R	N	G	E M P	-	SD
2.	19Z5SB3 Ornamental Fish culture	The topic - entrepreneurial aspects can be included in Unit-I Introduction to Aquarium	2%	As per the recommendations of the Subject Expert	L	R	N	G	E M P	E N T	SD
3.	19Z5SB4 Sericulture	Unit-I- Introduction to Sericulture - the topic National Sericulture project can be included.	5%	As per the recommendations of the Subject Expert	L	R	N	G	E M P	E N T	SD
4.	19Z6ME6 Entomology	Unit-III Beneficial insects - Lac Insect - culture & harvesting can be included.	5%	As per the recommendations of the Subject Expert	L	R	N	G	-	-	SD

5.	19Z6CC20 Lab - Biotechnology	One example can be specified for Holometabolous (Butterfly), Hemimetabolous (Cockroach) insects. Rasmol tool can be given as example for molecular visualization Tool	5%	As per the recommendations of the Subject Expert	L	R	N	G	E M P	-	S D
6.	19Z6SB6 Dairy Farming	Unit-I - Introduction Significance of indigenous breeds of cow can be included.	2%	As per the recommendations of the Subject Expert	L	R	N	G	E M P	E N T	S D

4. NEW COURSES INTRODUCED:

S. NO	COURSE CODE	COURSE TITLE	RELEVANCE TO				SCOPE FOR			NEED FOR IMPLEMENTATION	
			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	E M P	-	SD	Implementation of semesterwise Practical	
3.	19Z5CC16	Lab - Molecular Biology	-	-	N	G	E M P	-	SD	Implementation of semesterwise Practical	
4.	19Z6CC19	Lab - Immunology	-	-	N	G	E M P	-	SD	Implementation of semesterwise Practical	
5.	19Z6CC20	Lab - Biotechnology	-	-	N	G	E M P	-	SD	Implementation of semesterwise Practical	
6.	21NISLZ1	Nutrition for Health & Fitness	L	R	N	G	-	-	SD	Offered to the Advanced Learners	

7.	21Z2SL2	Single cell Protein culture	L	R	N	G	EMP	E NT	SD	offered to the Advanced learners
8.	21Z3SLN3	Public Health & Hygiene	L	R	N	G	-	-	SD	offered to the Advanced learners
9.	21S4SLZ4	Developmental Psychology	L	R	N	G	-	-	SD	offered to the Advanced learners
10.	21T5SLZ5	Traditional Medicine	L	R	N	G	-	E NT	SD	offered to the Advanced learners
11.	21Z6SLC6	Herbal Cosmetics	L	R	N	G	-	E NT	SD	offered to the Advanced learners

5. INTRODUCTION OF PURELY SKILL-EMBEDDED CERTIFICATE COURSE

S. NO	COURSE CODE	COURSE TITLE	SKILLS SHARPENED	COURSE OUTCOME
1.	21UGVACZ2	Livestock Farming	methods of rearing Farm animals. Inculcate the skills needed for self-employment	CO1- Illustrate the breeds of Buffalo & its rearing techniques. CO2- Plan for swine breeding & Feeding Strategies. CO3- Analyze the rearing methods of Rabbit CO4- Discuss the rearing methods of cattle. CO5- Assess the rearing of Sheep & goat CO6- Assess the commercial importance of Livestock Farming

6. Approval of Ph.D course work Syllabus: NIL

7. Rubrics for Project: Group Project

S.NO	C1 20 MKS	C2 20 MKS	CIA TOTAL 40 MKS	EXTERNAL 60 MKS
1.	Report	Presentation	Can be assessed by all the Staff members of the Department	Report 30 MKS Presentation 20 MKS Viva 10 MKS

Details of Signed MOU

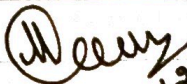
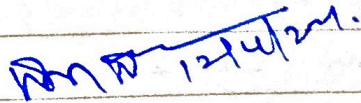
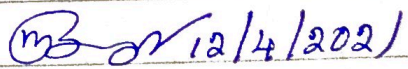
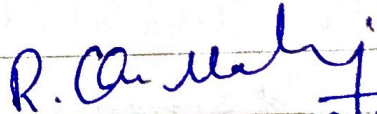
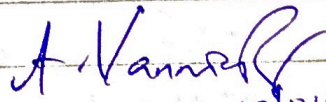
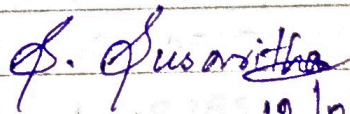
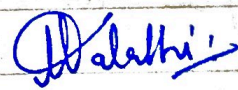
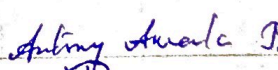
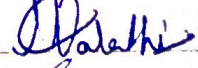
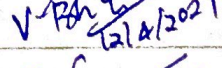
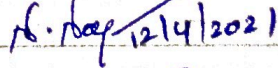
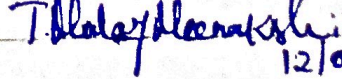
Kokila Siddha Hospital & Research Centre

(NABH, QCI Accredited)

Taihindpuram

Madurai - 625 011

OTHER SUGGESTIONS	COMMENDATIONS
1. Group projects / Field Projects may be given to UG Students to document local Biodiversity. 2. Internship may be introduced to the UG Students. 3. The DOER may have a minimum of 5 links for each course.	1. Inclusion of Lab courses in every semester is a good measure 2. course contents reflect the societal needs and make the Students fit to become entrepreneurs. 3. Use of digital resources that are useful for easy understanding of the Students is well appreciated.

Name of	Signature
1. Head of the Department Dr. A. Tamil Selvi	 12/04/2021
2. University Nominee Dr. Capt. N. Arun Nagendran	 12/04/2021
3. Subject Expert Dr. F. Brisca Renuga	 12/04/2021
4. Subject Expert Dr. R. Uma Maheswari	 12/04/21
5. Industrialist Dr. A. Vanniarajan	 12/04/2021
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