

Bajaj College of Science, Wardha
(Autonomous College)
Minutes of Board of Studies Department of Zoology

The Meeting of academic session 2023-24 has been organized through online mode on 28th March; 2024 at 12.00noon through Zoom Link:

Topic: BOS in Zoology

Time: Mar 28, 2024 12:00 PM India

Join Zoom Meeting

<https://us06web.zoom.us/j/84207122787?pwd=qKdBLb2K1CiCCiWaL3K6F2BfzZ0boR.1>

Meeting ID: 842 0712 2787

Passcode: BOSZOO

The agenda of the meeting :

- 1) Confirmation of the minutes of last meeting.
- 2) Confirmation of syllabus of Sem III & Sem IV of UG and PG as per NEP proposed in the last meeting.
- 3) Approval of certificate courses and its credits.
- 4) Approval of VSEC and GE courses.
- 5) Approval of course codes.
- 6) Any other point with the permission of the chair.

Following members attended the meeting online---

Dr. S.O. Qureshi

Dr. H.P. Sapkal

Dr. Yogesh Bhute

Mr. Vivek Khalokar

Mr. Tejas Tajane

Dr. A. D. Theng

Mr. V. P. Khandwekar

Dr. V. J. Sharma

Dr. S.P. Biswas

Miss. Sangita Yelane

Mr. Praful Kalwade

Dr. Miss. M. R. Chandrakar



Following agenda of meeting has been discussed:

- 1) Confirmation of the minutes of last meeting – minutes of the last meeting dated 10/10/2023 has been briefed by Dr. M.R. Chandrakar which has been approved by the panel.
- 2) Confirmation of syllabus of Sem III & Sem IV of UG and PG as per NEP proposed in the last meeting -- Syllabus of semester III and IV of UG and PG as per NEP which has to be implemented from 2024-25 has been discussed and approved (syllabus enclosed). Some points of UG semester III are reshuffled as per suggestion of Prof. S. O. Qureshi which has been unanimously approved. The papers of semester III and IV of UG and PG are as follows ---.

The courses of **Zoology** are given below (UG)---

Major

Semester	Course Category	Name of Major Course
I	DSC-I	Major: Zoology-I DSC- I(Non Chordate- I and cell biology)
		Practical based on Non Chordate- I and cell biology
II	DSC-II	Major: Zoology- II DSC - II (Non Chordate II and Genetics)
		Practical based on Non Chordate II and Genetics
III	DSC-III	Major: Zoology-III DSC-III (Chordate - I and Molecular Biology)
		Practical based on Chordate - I and Molecular Biology
IV	DSC-IV	Major: Zoology-IV DSC-IV (Chordate - II and Ethology)
		Practical based on Chordate - II and Ethology

Minor

Semester	Course Category	Name of Course
I	DSC-I	Non Chordate - I and cell biology
		Practical based on Non Chordate- I and cell biology
II	DSC-II	Non Chordate - II and Genetics
		Practical based on Non Chordate - II and Genetics
III	DSC-III	Chordate - I and Molecular Biology
		Practical based on Chordate - I and Molecular Biology
IV	DSC-IV	Chordate - II and Ethology
		Practical based on Chordate II and Ethology

P.G. ZOOLOGY

M.Sc. ZOOLOGY SEMESTER - I

Sr. No.	Course Category	Name of Course
1	DSC-1	Structure and function of Invertebrates
2	DSC-2	Fundamentals of Biochemistry
3	DSC-3	Practical based on Structure and function of Invertebrates
4	DSC-4	Practical based on Fundamentals of Biochemistry
5	DSE-1	Elective - I - Cell Biology and Genetics / Elective - II - Economic Zoology OR Equivalent MOOC course
6	RM	Research Methodology

M.Sc. ZOOLOGY SEMESTER - II

Sr. No.	Course Category	Name of Course
1	DSC-5	Structure and function of vertebrates
2	DSC-6	Biochemistry of metabolic process
3	DSC-7	Practical based on Structure and function of vertebrates
4	DSC-8	Practical based on Biochemistry of metabolic process
5	DSE-2	Elective - I - Molecular biology and Biotechnology / Elective - II - Basic endocrinology of invertebrate and vertebrate OR Equivalent MOOC course
6	OJT Or FP or CS	Apprenticeship or Field Project or Case Study

M.Sc. ZOOLOGY SEMESTER-III

Sr. No.	Course Category	Name of Course
1	DSC-9	Parasitology and Immunology
2	DSC-10	Animal physiology -1 Physiology of digestion and excretion
3	DSC-11	Animal Physiology-2 Physiology of circulation
4	DSC-12	Practical I -Based on Parasitology and Immunology & Animal physiology -1 Animal physiology -2
5	DSE-3	Elective – I Biotechnology -1 / Elective – II - Economic Aquaculture OR Equivalent MOOC course
6	RP	Research Project

M.Sc. ZOOLOGY SEMESTER-IV

Sr. No.	Course Category	Name of Course
1	DSC-13	Developmental Biology
2	DSC-14	Animal Physiology III physiology of Brain, nerve and muscle
3	DSC-15	Animal Physiology -IV Physiology of respiration and reproduction
4	DSC-16	Practical based on Developmental biology and Animal Physiology (III & IV)
5	DSE-4	Elective I: Biotechnology 2 / Elective II : Toxicology & Wildlife Ecology and behaviour OR Equivalent MOOC course
6	RP	Research Project

- 3) Approval of certificate courses and its credits -- Syllabus of certificate course: - following certificate courses has been approved. Two credits have been allotted to it. It has been approved by all the respected BOS members.

Certificate Courses

Semester	Course Category	Name of Course
UG / PG Any semester / Any stream	C C	Certificate course on Vermicompost technology
		Certificate course on Fundamentals on Sericulture
		Certificate course on Fresh Water Fish Culture

- 4) Approval of VSEC and GE courses:-- following syllabus of VSEC and GE courses for UG has been approved by the panel.

VSEC (VSC / SEC)

Semester	Course Category	Name of Course
I	VSEC (VSC-I)	Tools and techniques in Zoology I (VSC I)
II	VSEC (SEC-I)	Tools and techniques in Zoology II (SEC-I)
III	VSEC (VSC-II)	Food adulteration testing techniques (VSC-II)
III	VSEC (SEC-II)	Sericulture (SEC-II)
IV	VSEC (SEC-III)	Aquarium fish keeping (SEC-III)

GE / OE Category Courses (Zoology)

Semester	Course Category	Name of Course
III	GE/OE	Essential First Aid: Techniques and Emergency Management
IV	GE/OE	Food and nutrition

- 5) Approval of course codes:--All the papers have been given course codes and has been approved by the panel.

The course codes o **Zoology** are given below---

Major

Semester	Course Category	Name of Major Course	Course Code
I	DSC-I	Major: Zoology-I DSC - I (Non Chordate I and cell biology)	UZO110T
		Practical based on Non Chordate I and cell biology	UZO110P
II	DSC-II	Major: Zoology- II DSC - II (NonChordate II and Genetics)	UZO120T
		Practical based on Non Chordate II and Genetics	UZO120P
III	DSC-III	Major: Zoology - III DSC - III (Chordate I and Molecular Biology)	UZO230T
		Practical based on Chordate I and Molecular Biology	UZO230P
IV	DSC-IV	Major: Zoology-IV DSC - IV (Chordate II and Ethology)	UZO240T
		Practical based on Chordate II and Ethology	UZO240P

Minor

Semester	Course Category	Name of Course	Course Code
I	DSC-I	Non Chordate I and cell biology	UZO111T
		Practical based on Non Chordate I and cell biology	UZO111P
II	DSC-II	Non Chordate II and Genetics	UZO121T
		Practical based on Non Chordate II and Genetics	UZO121P
III	DSC-III	Chordate I and Molecular Biology	UZO231T
		Practical based on Chordate I and Molecular Biology	UZO231P
IV	DSC-IV	Chordate II and Ethology	UZO241T
		Practical based on Chordate II and Ethology	UZO241P

VSEC (VSC/SEC)

Semester	Course Category	Name of Course	Course Code
I	VSEC (VSC-I)	Tools and techniques in Zoology I (VSC-I)	UZ0112P
II	VSEC (SEC-I)	Tools and techniques in Zoology II (SEC-I)	UZ0123P
III	VSEC (VSC-II)	Food adulteration testing techniques (VSC-II)	UZ0232P
III	VSEC (SEC-II)	Sericulture (SEC-II)	UZ0233P
IV	VSEC (SEC-III)	Aquarium fish keeping (SEC-III)	UZ0243P

GE/OE Category Courses (Zoology)

Semester	Course Category	Name of Course	Course Code
III	GE/OE	Essential First Aid: Techniques and Emergency Management	UZOG231
IV	GE/OE	Food and nutrition	UZOG241

P.G. ZOOLOGY

M.Sc. ZOOLOGY SEMESTER - I

Sr. No.	Course Category	Name of Course	Course Code
1	DSC-1	Structure and function of Invertebrates	PZ0511T
2	DSC-2	Fundamentals of Biochemistry	PZ0512T
3	DSC-3	Practical based on Structure and function of Invertebrates	PZ0513P
4	DSC-4	Practical based on Fundamentals of Biochemistry	PZ0514P
5	DSE-1	Elective - I - Cell Biology and Genetics / Elective - II - Economic Zoology OR Equivalent MOOC course	PZ0515T
6	RM	Research Methodology	PZ0516T

M.Sc. ZOOLOGY SEMESTER - II

Sr. No.	Course Category	Name of Course	Course Code
1	DSC-5	Structure and function of vertebrates	PZ0521T
2	DSC-6	Biochemistry of metabolic process	PZ0522T
3	DSC-7	Practical based on Structure and function of vertebrates	PZ0523P
4	DSC-8	Practical based on Biochemistry of metabolic process	PZ0524P
5	DSE-2	Elective - I - Molecular biology and Biotechnology / Elective - II - Basic endocrinology of invertebrate and vertebrate OR Equivalent MOOC course	PZ0525T
6	OJT Or FP or CS	Apprenticeship or Field Project or Case Study	PZ0527P

M.Sc. ZOOLOGY SEMESTER-III

Sr. No.	Course Category	Name of Course	Course Code
1	DSC-9	Parasitology and Immunology	PZO631T
2	DSC-10	Animal physiology -1 Physiology of digestion and excretion	PZO632T
3	DSC-11	Animal Physiology-2 Physiology of circulation	PZO633T
4	DSC-12	Practical I - Based on Parasitology and Immunology & Animal physiology -1 Animal physiology -2	PZO634P
5	DSE-3	Elective - I Biotechnology -1 / Elective - II - Economic Aquaculture OR Equivalent MOOC course	PZO635T
6	RP	Research Project	PZO638P

M.Sc. ZOOLOGY SEMESTER-IV

Sr. No.	Course Category	Name of Course	Course Code
1	DSC-13	Developmental Biology	PZO641T
2	DSC-14	Animal Physiology III physiology of Brain, nerve and muscle	PZO642T
3	DSC-15	Animal Physiology -IV Physiology of respiration and reproduction	PZO643T
4	DSC-16	Practical based on Developmental biology and Animal Physiology (III & IV)	PZO644P
5	DSE-4	Elective I: Biotechnology 2 / Elective II : Toxicology & Wildlife Ecology and behaviour OR Equivalent MOOC course	PZO645T
6	RP	Research Project	PZO648P

The meeting ended with expressing sincere thanks to the members by Dr. A. D. Theng.


 Head / Incharge
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