



Anekant Education Society's

**TuljaramChaturchand College  
of Arts,Science,Commerce, Baramati  
(Autonomous)**

**DEPARTMENT OF BOTANY**

(Faculty of Science and Technology)

**Minutes of Board of Studies Meeting No.1**

**Date of Meeting: 11/04/2019**

**Venue: Department of Botany**

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April, 2019

Anekant Education Society's  
**Tuljaram Chaturchand College, Baramati**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**NOTICE**

Date: 02/04/2019

**Board of Studies Meeting**

All members of the Board of Studies in Environmental Science are hereby informed that, our BOS meeting is organized on 11<sup>th</sup> April 2019 at 12:00 pm. in the staff room of Department of Environmental Science and in Online mode. As esteemed members of the board, your presence and input during the meeting would be greatly appreciated.

The agenda for the meeting is as follows:

1. To design and approve course and credit structure for the B.Sc. programme in accordance with 2019 pattern.
2. To prepare and approve curriculum of F.Y.B.Sc. Semester-I & Semester-II (2019 pattern) to be implemented from the academic year 2019-2020.
3. To design the credit system allotment.
4. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
5. Any other issue with the permission of the chair.

Therefore, I kindly request you to attend the aforementioned meeting and invite you to provide your valuable inputs for designing the curriculum in accordance with the NEP 2020 guidelines.

  
Chairman,

**BOS in Environmental Science**

  
Principal

### List of Members Presented for the BOS Meeting

The following internal and external BOS members were attended the Board of Studies (Environmental Science) meeting through online/offline mode held on 11<sup>th</sup> Apr, 2019.

Sr.No.	Name of Member	Designation
1.	<b>Dr. C. V. Murumkar</b> Principal, T. C. College, Baramati.	Hon. Principal
2.	<b>Dr. S. J. Chavan</b> Head & Assistant Professor, Department of Botany, T. C. College, Baramati.	Chairman
3.	<b>Dr. B. S. Mali</b> Assistant Professor, Department of Botany, T. C. College, Baramati.	Internal Member
4.	<b>Dr. M. B. Kanade</b> Assistant Professor, Department of Botany, T. C. College, Baramati.	Internal Member
5.	<b>Dr. A. B. Telave</b> Assistant Professor, Department of Botany, T. C. College, Baramati.	Internal Member
6.	<b>Dr. R. D. Chitale</b> Assistant Professor, Department of Botany, T. C. College, Baramati.	Internal Member
7.	<b>Dr. Smt. M. P. Patil</b> Assistant Professor, Department of Botany, T. C. College, Baramati.	Internal Member
8.	<b>Dr. S. D. Kulkarni</b> Head & Associate Professor, Department of Environmental Science, New Arts, Commerce and Science College, Ahmednagar	Expert from SPPU
9.	<b>Dr. H. S. Patil</b> Head & Assistant Professor, Department of Botany, V. P. College, Baramati	Expert from SPPU
10.	<b>Dr. M. M. Sardesai</b> Assistant Professor, Department of Botany, SPPU, Pune	Expert from SPPU
11.	<b>Dr. M. V. Gokhale</b> Assistant Professor, Department of Botany, K. B. P. College, Urun Islampur	Expert from other University
12.	<b>Dr. V. B. Shimpale</b> Assistant Professor, Department of Botany, The New College, Kolhapur	Expert from other University

13.	<b>Dr. B. P. Kalgaonkar</b> CEO, Riccia seeds, Pune	Industrial expert
14.	<b>Dr. G. C. Nikalje</b> Department of Botany, Seva Sadan's R. K. Talreja College of Arts, Science and Commerce, Ulhasnagar	Meritorious Alumni
15.	<b>Mr. J. F. Bagwan</b> Agharkar Research Institutem, Sortewadi	Meritorious Alumni

**Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati  
(Autonomous)**

**Department of Environmental Science**

**AGENDA OF THE MEETING**

**The agenda of the meeting included the following subjects:**

1. To design and approve course and credit structure for the B.Sc. programme in accordance with 2019 pattern.
2. To prepare and approve curriculum of F.Y.B.Sc. Semester-I & Semester-II (2019 pattern) to be implemented from the academic year 2019-2020.
3. To design the credit system allotment.
4. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
5. Any other issue with the permission of the chair.

## MINUTES OF THE MEETING

As per the meeting of Board of Studies in Environmental Science was successfully held on 11<sup>th</sup> May, 2020 at 12:00 pm in the Department of Botany, T. C. College, Baramati. The meeting took place, adhering to the guidelines and protocols set by the college under the guidance of Dr. S. J. Chavan, Chairman of the Board of Studies in Environmental Science, the meeting commenced with a warm welcome to all the esteemed members, followed by a brief introduction of the meeting's objectives

During the meeting, fruitful discussions were held on the items mentioned in the circulated agenda. We are pleased to inform you that the following resolutions were made during the BOS meeting.

**1. To design and approve course and credit structure for the B.Sc. programme in accordance with 2019 pattern.**

The Board of Studies (BOS) members meticulously designed and crafted the course and credit structure for the B.Sc. program well in advance of the BOS meeting. This preliminary draft was then shared with all BOS members for their input and suggestions to enhance its quality. During the meeting, Dr. R. D. Patil presented the course and credit structure, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the it.

In light of the constructive suggestions offered by the BOS members, the course and credit structure underwent necessary revisions. As per 2019 pattern, BOS members finalizes 2 credits per course for F.Y.B.Sc. Environmental Science and was presented for approval during the BOS meeting.

Class	Pattern	Semester	Paper Code	Title of Paper	Course Type	No. of Credits
F.Y.B.Sc.	2019	I	EVS1101	Fundamentals of Environmental Science - I	Theory	2
			EVS1101	Fundamentals of Environmental Biology - I	Theory	2
			EVS 1103	Practical based on EVS1101 & EVS1102	Practical	2

		II	EVS 1201	Fundamentals of Environmental Science - II	Theory	2
			EVS 1202	Fundamentals of Environmental Biology - II	Theory	2
			EVS 1203	Practical based on EVS1201 & EVS1202	Practical	2
S.Y.B.Sc	2019	III	EVS 2301	Natural Resources	Theory	3
			EVS2302	Environmental Pollution and Control-I	Theory	3
			EVS 2303	Practical based on EVS2301 & EVS2302	Practical	2
		IV	EVS 2401	Solid and Hazardous Waste Management	Theory	3
	EVS 2402		Environmental Pollution and Control- II	Theory	3	
	EVS 2403		Practical based on EVS2401 & EVS2402	Practical	2	
T.Y.B.Sc	2019	V	EVS 3501	Ecosystem Management	Theory	3
			EVS 3502	Wildlife Biology	Theory	3
			EVS 3503	Geoscience	Theory	3
			EVS 3504	Nature Conservation	Theory	3
			EVS 3505	Environmental Governance, Laws and Ethics	Theory	3
			EVS 3506	Environmental Biotechnology	Theory	3
			EVS 3507	Practical based on EVS 3501 & EVS 3502	Practical	2
			EVS 3508	Practical based on EVS 3503 & EVS 3504	Practical	2

		EVS3509	Practical based on EVS 3505 & EVS 3506	Practical	2
	VI	EVS 3601	Climate Change	Theory	3
		EVS 3602	Analytical Methods	Theory	3
		EVS 3603	Sustainable Development	Theory	3
		EVS 3604	Environmental Statistics	Theory	3
		EVS 3605	Environmental Risk and Assessment Management	Theory	3
		EVS 3606	Environmental Economics And Audit	Theory	3
		EVS 3607	Practical based on EVS 3601 to EVS 3603	Practical	2
		EVS 3608	Practical based on EVS 3604 to EVS 3606	Practical	2
		EVS 3609	Project	Project	2

**Resolution No. 1:** The course and credit structure for the B.Sc. programme in accordance with 2019 pattern has been unanimously approved by all members of the BOS.

**2. To and approve curriculum of F.Y.B.Sc. Semester-I & Semester-II (2019 pattern) to be implemented from the academic year 2019-2020.**

The board carefully designed and deliberated upon the curriculum of F.Y.B.Sc. Semester-I & Semester-II, aligning it with the guidelines of the 2019 pattern, for implementation in the academic year 2019-2020. During the meeting, Ms. S. S. Sonawane presented the curriculum of courses and credit structure, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the curriculum.

During the discussion, certain modifications were suggested by the board members. Dr. H. S. Patil proposed to add physical properties of water in the course EVS 1101:



Fundamentals of Environmental Science - I. Dr. V. B. Shimpale proposed to add Biome concept, classification and distribution in the course EVS1202: Fundamentals of Environmental Biology - II. The board thoroughly discussed and finalized the syllabus for the following courses of F.Y.B.Sc. Semester-I & Semester-II.

Finally, in light of the constructive suggestions offered by the BOS members, the curriculum structure underwent necessary revisions. After thorough deliberation and careful consideration, the curriculum of following courses was presented for approval during the BOS meeting.

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
F.Y.B.Sc.	2019	I	EVS 1101	Fundamentals of Environmental Science - I	Theory	2
			EVS 1102	Fundamentals of Environmental Biology - I	Theory	2
			EVS 1103	Practical based on EVS 1101 & EVS 1102	Practical	2
		II	EVS 1201	Fundamentals of Environmental Science - II	Theory	2
			EVS 1202	Fundamentals of Environmental Biology - II	Theory	2
			EVS 1203	Practical based on EVS 1201 & EVS 1202	Practical	2

**Resolution No. 2:** The curriculum for F.Y.B.Sc. Semester-I & Semester-II (2019 pattern) has been unanimously approved by all members of the BOS.

### 3. To design the credit system allotment.

The Board of Studies (BOS) members meticulously designed and crafted the course and credit system allotment for the B.Sc. program well in advance of the BOS meeting. This preliminary draft was then shared with all BOS members for their input and suggestions to

enhance its quality. During the meeting, Dr. Smt. M. P. Patil presented the course and credit system allotment, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the it.

In light of the constructive suggestions offered by the BOS members, the course and credit system allotment underwent necessary revisions. As per 2019 pattern, BOS members finalizes 2 credits for theory and 2 credits for practicals of F.Y.B.Sc. Environmental Science and was presented for approval during the BOS meeting.

**Resolution No. 3:** The course and credit system allotment for the B.Sc. programme in accordance with 2019 pattern has been unanimously approved by all members of the BOS.

**4. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.**

The Chairman initiated the discussion by highlighting the importance of incorporating feedback from both Alumni and current students in the syllabus design process. The department created a curriculum feedback form and distributed it to students, teachers, parents, alumni, and employers. Subsequently, the stakeholders filled out the feedback forms. It was noted that their insights and suggestions would greatly contribute to creating a curriculum that aligns with the needs and expectations of the students. Therefore, the BOS members reviewed the feedback and suggestions given by the alumni and students and incorporated the relevant suggestions into the curriculum of F.Y.B.Sc. Environmental Science.

**Resolution No. 4:** Considered and Approved

**5. Any other issue with the permission of the chair.**

No any additional items to the Board of Studies (BOS) meeting.

The meeting of BOS concluded with the vote of thanks by Dr. M. B. Kanade.

  
Chairman  
Board of Studies

  
IQAC  
Coordinator

  
Principal