



# AMITY UNIVERSITY

## MADHYA PRADESH

(Established by Ritn and Balved Education Foundation)

Date: 29 / 01 / 2018

### BOARD OF STUDIES ( Biotechnology )

### MINUTES OF THE MEETING


( 5. Pages Only )

1. A meeting of board of studies of Biotechnology, Amity Institute of Biotechnology, Amity University Madhya Pradesh was held on 29<sup>th</sup> January 2018 at 1200 hrs at AUMP, under the Chairmanship of Prof. (Dr.) R.S. Tomar, Director AIB and Dean (Academics). The following members attended the meeting:-

- (a) **Chairman:** Prof. (Dr.) R.S. Tomar  
Director AIB and Dean (Academics)  
Amity University Madhya Pradesh, Maharajpur, Gwalior
- (b) **Member**
- i) Prof (Dr.) G.B.K.S. Prasad (External)  
Professor Biochemistry,  
Coordinator, Centre for Studies in Food Technology,  
Jiwaji University Gwalior
  - ii) Dr.Raghvendra Kumar Mishra  
Associate Professor, Amity Institute of Biotechnology,  
Amity University Madhya Pradesh, Maharajpur, Gwalior
  - iii) Dr. Vikas Shrivastava  
Associate Professor, Amity Institute of Biotechnology,  
Amity University Madhya Pradesh, Maharajpur, Gwalior

2. Agenda for the BoS meeting 2018:

1. Approval of syllabi of B.Sc.(H)Biotechnology for the batch 2018-21 and B.Tech Biotechnology batch 2018-22.
2. Approval of syllabi of M.Sc.(Biotechnology) for the batch 2018-20 and M.Tech (Biotechnology) batch 2018-20.

  
Prof (Dr.) R. S. Tomar  
Director, Amity Institute of Biotechnology  
Amity University Madhya Pradesh  
Maharajpur, Gwalior 474005.

3. Approval of syllabi of Ph.D. course work of Ph.D. in Biotechnology for the batch 2018-2019.
4. Approval of syllabi of minor track under CBCS courses offered by AIB.
5. Any other point with the permission of Chairman of the Board of studies.

3. Recommendations.

The BoS recommends that:-

- (a) Course BTB 303: Credits should increase from 3 to 4 to complete syllabus thoroughly.
- (b) Course BTB 303: Topic pure culture techniques should be deleted from module I as it is repeated in the same module.
- (c) Course BTB 401: Topic Cis-trans peptide bond formation should be added in module I as it is the integral part of this module.
- (d) Course BSB 201: Credits should increase from 3 to 4 to complete syllabus thoroughly.
- (e) Course BSB 405: Topic fertilization in mammals should be deleted from module IV as it is already covered in module III.
- (f) Course MSB 104: Credits should increase from 3 to 4 to complete syllabus thoroughly.
- (g) Course MSB 201: Topic translational recoding should be added in module IV as it is a new topic in this module.
- (h) Course MSB 220: Experiment of isolation of RNA should be added in lab course as it is a part of theory.
- (i) Course MTB 201: Topic translational recoding should be added in module VI as it is a new topic in this module.
- (j) Course MTB 220: Experiment of isolation of RNA should be added in lab course as it is a part of theory.
- (k) Three new courses (PhDBT 110 - Advanced Microbial Technology (3 credits), PhDBT 111-Advanced Molecular Biology (4 credits), PhDBT 112- Bioprocess Technology (4 credits) should be added in Ph.D. Course work as optional subjects to give wider choice to the students.
- (l) Minor track of AIB should be restructured with these modification:
  - (i) Course BM 1104: credit should be changed from 3 to 4 as 01 module is increased.
  - (ii) Course BM 1106 should be merged in BM 1105 with increase in credits from 3 to 4.
  - (iii) Project work (NTCC) of 01 credit should be added as course BM 1106.


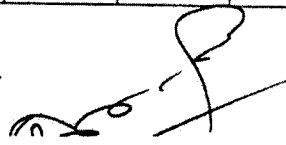

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- (iv) Title of minor track Biodiversity should be changed as Conservation Biology and their initial codes should change from BD to CB.
- (v) Course code of BD 1301 should be changed to CB 1301.
- (vi) Course code of BD 1302 should be changed to CB 1302
- (vii) Course code of BD 1303 should be changed to CB 1303
- (viii) Course code of BD 1304 should be changed to CB 1304 along with change in credit 3 to 4.
- (ix) Course BD 1305 and BD 1306 should be merged as new course code CB 1305 with new title - Methods of conservation
- (x) Project work (NTCC) of 01 credit should be added as course CB 1306 in minor track - Conservation Biology.

4. Summary of changes is given below:-

Current Syllabus					Proposed Changes/Modifications (addition/deletion in the Syllabus)	New Course Code	No. of Credits
Sr. No.	Course Title	Module of the syllabus	Old Course Code	No. of Credits			
<del>B.Sc. Biotechnology</del>							
1	Microbiology	I	BTB 303	3	. Credits changed . Topic pure culture techniques deleted	BTB 303	4
3	Biochemistry II	I	BTB-401	3	Topic Cis-trans peptide bond formation added in module I	BTB-401	3
4	Introductory Biochemistry and Biophysics	-	BSB-201	3	Credits changed	BSB-201	4
5	Animal Physiology II	IV	BSB-405	3	Topic fertilization in mammals is deleted from module IV	BSB-405	3
6	Advanced Cell Biology & Genetics	-	MSB-104	3	Credits changed	MSB-104	4

7	Advanced Molecular Biology	IV	MSB-201	4	Topic translational recoding is added in module IV	MSB-201	4
8	Advanced Molecular Biology Lab	-	MSB-220	2	Experiment of isolation of RNA added in lab course	MSB-220	2
9	Cell & Molecular Biology	VI	MTB - 201	4	Topic translational recoding is added in module VI	MTB - 201	4
10	Cell & Molecular Biology Lab		MTB - 220	2	Experiment of isolation of RNA added in lab course	MTB - 220	2
11	Advanced Microbial Technology		PhDBT 110	3	New Course is added in Ph.D. Biotechnology	PhDBT 110	3
12	Advanced Molecular Biology		PhDBT 111	4	New Course is added in Ph.D. Biotechnology	PhDBT 111	4
13	Bioprocess Technology		PhDBT 112	4	New Course is added in Ph.D. Biotechnology	PhDBT 112	4
<b>Minor Track</b>							
14	Structural Biology		BM1104	3	.Credits changed . Module IV is added	BM1104	4
15	Management of Biotech Industry , Biotech Regulations and compliance		BM 1105	3	. BM 1106 is merge with BM 1105 . Title Changed . Credits changed	BM 1105	4
16	Project work (NTCC)		BM 1106	1	Added in Minor track Biotechnology Management	BM 1106	1
17	Conservation Biology				Title of minor track Biodiversity is changed as Conservation Biology and their initial codes also changed from BD to CB		
18	Plant taxonomy and diversity		BD 1301	3	Code Changed	CB 1301	3
19	Animal taxonomy		BD 1302	3	Code Changed	CB 1302	3

	and diversity						
20	Microbial Taxonomy and Diversity		BD 1303	3	Code Changed	CB 1303	3
21	Ecology and evolutionary biology		BD 1304	3	.Code Changed .Credits changed	CB 1304	4
22	Methods of conservation		BD 1305	3	.Code Changed . BD 1306 merged as new course code CB 1305 with new title - Methods of conservation. .Credits changed	CB 1305	4
23	Project work (NTCC)		CB 1306	1	Added in Minor track Conservation Biology	CB 1306	1

## Signature of Members

*V. Dasgupta*  
29/01/18

*[Signature]*  
29/01/18

*[Signature]*  
29/01/18

Signature of Chairman BOS

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29/01/18

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29/01/18

APPROVED BY

Hon'ble Vice Chancellor  
AUMP, Gwalior



Date: 29/01/2018

**BOARD OF STUDIES (DEPARTMENT OF ENVIRONMENTAL SCIENCE)**

**MINUTES OF THE MEETING**

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1. A meeting of Board of Studies of Department of Environmental Science, Amity University Madhya Pradesh was held on 29<sup>th</sup> January 2018 at 1130 hrs at AUMP, under the Chairmanship of Prof. (Dr.) S.P. Bajpai (Dean Research) and HOI, Environmental Sciences. The following members attended the meeting: -

(a) **Chairman:** Prof. (Dr.) S.P. Bajpai (Dean Research) and HOI, Environmental Sciences

(b) **Member**

i) Dr. Swapnil Rai, AP-II, EVS

ii) Dr. Rwitabrata Mallick, AP-I, EVS

iii) Dr. (Prof.) Avinash Tiwari, SOS in Botany, JU Gwalior

2. The agenda of the meeting included the following:

(a) Approval of the syllabus of Environmental Studies I and II for all UG Courses.

(b) Approval of the syllabi of the 'Master of Environmental Science and Technology' (PG course).

(c) Approval of the syllabi of Ph.D. course work in Environmental Science.

(d) Approval of modified syllabi of Environmental Management (EM) and Environmental Law (EL) offered for Choice Based Credit System.

(e) Approval of syllabi of new subjects viz. Industrial Environment Health & Safety (ES) and Disaster Management (DM) to be offered as CBCS from 2018-19 session.

(f) Any other point with due permission of the Chairperson.


3. Recommendations:

(i) The BOS recommends that:-

a. All the syllabi are up to mark and approved.

b. The changes made in existing CBCS syllabi are satisfactory and relevant to the respective subjects.

  
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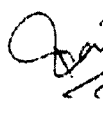
Head

Department of Environmental Science  
Amity School of Life Science  
Amity University Madhya Pradesh, Gwalior

## 4. Summary of changes is given below:-

Current Syllabus					Proposed Changes/Modifications (addition/deletion in the Syllabus)	New Course Code	No. of Credits
Sr. No.	Course Title	Module of the syllabus	Old Course Code	No. of Credits			
1.	Environmental Studies I & II for All UG Courses	No change	No change	No change	No change	No change	No change
2.	M.Sc. Environmental Science & Technology	No change	No change	No change	No change	No change	No change
3.	Ph.D. Course work syllabus	No change	No change	No change	No change	No change	No change
4.	New CBCS subject - Disaster Management	New subject	NA	18	New course	DM - 1201 DM- 1202 DM- 1203 DM- 1204 DM- 1205 DM- 1206	3 3 3 4 4 1
5.	New CBCS subject Industrial Environmental Health & Safety	New subject	NA	18	New Course	ES - 1401 ES- 1402 ES- 1403 ES- 1404 ES- 1405 ES- 1406	3 3 3 4 4 1
6.	CBCS subject - Environmental Management	Changes are made in entire syllabus of all semester	EM1201 TO EM 1206	18	Changes are given in Annexure I	EM 1201 EM 1202 EM 1203 EM 1204 EM 1205 EM 1206	3 3 3 4 4 1
7.	CBCS subject - Environmental Law	Changes are made in entire syllabus of all semester	EL 1401 TO EL 1406	18	Changes are given in Annexure II	EL 1401 EL 1402 EL 1403 EL 1404 EL 1405 EL 1406	3 3 3 4 4 1

  
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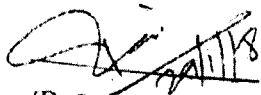


  
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**Head**  
Department of Environmental Science  
Amity School of Life Sciences  
Amity University Madhya Pradesh, Gwalior

**Signature of Members**



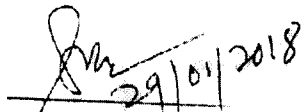
(Dr Swapnil Rai)

Member




(Dr Rwitabrata Mallick)

Member



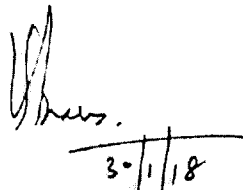
(Prof. S. P. Bajpai)

Chairman BOS



(Prof. Avinash Tiwari)

External Expert



APPROVED BY

Hon'ble Vice Chancellor

AUMP, Gwalior



**Head**

Department of Environmental Science  
Amity School of Life Science  
Amity University Madhya Pradesh, Gwalior