

**Department of Biochemical Engineering and Biotechnology**  
**Faculty Board Meeting (Special)**

April 5, 2018

A special Departmental Faculty Board Meeting was held on March 27, 2018, at 3 PM in the Departmental Committee Room (I-230) for discussing course allocation for Semester 1, 2018-19. The following members were present:

1.	Prof. Atul Narang	Chairman
2.	Prof. T.R. Sreekrishnan	Member
3.	Prof. Prashant Mishra	Member
4.	Prof. Durai Sundar	Member
5.	Prof. Shilpi Sharma	Member
6.	Prof. Ritu Kulshrestha	Member
7.	Prof. Preeti Srivastava	Member
8.	Prof. Ravikrishnan Elangovan	Member
9.	Prof. Ashish Misra	Convener

The board approved the list of courses to be floated in Semester 1, 2018-19 (Annexure 1).

The board also recommended the following:

1. BBL737 (Instrumentation and Analytical Methods in Biotechnology) should be taught by multiple faculty members with each faculty covering an instrument in their area of expertise (as had been done in a previous version of a similar course before the previous curriculum revision).
2. The assignment of Course Coordinators for BBQ 301/302 would be done at the beginning of the coming semester (after the add/drop period when the student registration in each course would be clear).
3. The incoming 2018-entry MSR students would be required to register for the courses BBL731, BBL733 and BBL734 along with BED800 and BEL850.
4. As decided in the special DFB on March 05, 2018, all PhD students from 2018-entry batch onwards would be required to complete the coursework according to the revised framework that would be recommended shortly.

**Ashish Misra**  
Convener, DFB

**Distribution**

All DBEB faculty by email

Cc: Office file

## **Annexure 1: Courses to be floated in 1<sup>st</sup> Semester 2018-2019**

### **Departmental Core Courses**

<b>Semester</b>	<b>Course Number</b>	<b>Course Name</b>	<b>Credit</b>	<b>L-T-P</b>	<b>Slot</b>	<b>Faculty</b>
3	BBL131	Principles of Biochemistry	4.5	3-0-3	D	PM
3	BBL132	General Microbiology	4.5	3-0-3	F	SS
3	BBL133	Mass and Energy Balances in Biology	3	3-0-0	H	ZAS
5	BBL231	Molecular Biology and Genetics	4.5	3-0-3	D	PS
5	BBL331	Bioprocess Engineering	3	3-0-0	B	AKS
5	BBP332	Bioprocess Engineering Lab	1.5	0-0-3	P	AKS
7	BBL731	Bioseparation Engineering	4.5	3-0-3	C	SN
7	BBL732	Bioprocess Plant Design	4	3-0-2	B	TRS
7	BBL733	Recombinant DNA Technology	3.5	2-0-3	D	RK

### **Other - Departmental Core Course**

<b>Semester</b>	<b>Course Number</b>	<b>Course Name</b>	<b>Credit</b>	<b>L-T-P</b>	<b>Slot</b>	<b>Faculty</b>
3	BBN101	Introduction to Biochemical Engineering	1	0-0-2	NM	AN
7	BBD451	Major Project Part 1 (BB1)	3	0-0-6	P	RE
	BBQ301	Seminar Course – I	1	0-0-2	P	Head (AN)
	BBQ302	Seminar Course – II	1	0-0-2	P	Head (AN)
	BBD351	Design – non graded unit	1		P	TRS

### **Program Core Courses**

<b>Semester</b>	<b>Course Number</b>	<b>Course Name</b>	<b>Credit</b>	<b>L-T-P</b>	<b>Slot</b>	<b>Faculty</b>
7	BBL734	Metabolic Regulation and Engineering	3	3-0-0	H	AM
9	BBL735	Genomics and Proteomics	3	2-0-2	D	DS
9	BBL737	Instrumentation and Analytical Methods in Bioengineering <sup>1</sup>	3	2-0-2	B	Head (AN)

<sup>1</sup> Will be taught jointly by many faculty members (each covering only one instrument).

### Other Program Core Courses

Semester	Course Number	Course Name	Credit	L-T-P	Slot	Faculty
9	BED851	Major Project Part 1 (BB)	6	0-0-12	P	AM
9	BED852	Major Project Part 2 (BB)	14	0-0-28	P	AM
9	BED853	Major Project Part 1 (BB)	4	0-0-8	P	AM
9	BED854	Major Project Part 2 (BB)	16	0-0-32	P	AM

### Program Elective Courses (1 course worth 4 credits is required)

Semester	Course Number	Course Name	Credit	L- T- P	Slot	Faculty
9	BBL741	Protein Science and Engineering <sup>2</sup>	3	3-1-0	H	SM
9	BBL743	High Resolution Methods in Biotech	3	2-0-2	F	GPA
9	BBL???	Optics in Life Sciences <sup>3</sup>	3	3-0-0	E	RE
9	BBL???	Bioentrepreneurship <sup>4</sup>	2	2-0-0	K	RE

### MSR Courses

Semester	Course Number	Course Name	Credit	L-T-P	Slot	Faculty
1	BED800	Major Project	40	0-0-80	P	RK
1	BEL850	Advanced Biochemical Engineering	5	3-0-4	B	AN

<sup>2</sup> Currently 3 credits. To be approved by Senate for 4 credit revision.

<sup>3</sup> To be approved by Senate.

<sup>4</sup> To be approved by Senate.