

NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH

COURSE STRUCTURE FOR **BATCH 2009 ONWARDS**

SEMESTER 1

SEMESTER 2

Sr No.	Maths Stream	Physics Stream	Chemistry Stream	Biology Stream	Contact hours per week (theory + tutorials + lab)	Credits	Sr No.	Maths Stream	Physics Stream	Chemistry Stream	Biology Stream	Contact hours per week (theory + tutorials + lab)	Credits
1.	M 101	M 101	M 101	M 101	[2+1+0]	3	1.	M 201	M 201	M 201	M 201	[2+1+0]	3
2.	P 101	P 101	P 101	P 101	[2+1+0]	3	2.	P 201	P 201	P 201	P 201	[2+1+0]	3
3.	C 101	C 101	C 101	C 101	[2+1+0]	3	3.	C 201	C 201	C 201	C 201	[2+1+0]	3
4.	B 101	B 101	B 101	B 101	[2+1+0]	3	4.	B 201	B 201	B 201	B 201	[2+1+0]	3
5.	H 101	H 101	H 101	H 101	[2+0]	2	5.	H 201	H 201	H 201	H 201	[2+0]	2
6.	ML 101	ML 101	ML 101	ML 101	[1+0+2]	2	6.	ML 201	ML 201	ML 201	ML 201	[1+0+2]	2
7.	PL 101	PL 101	PL 101	PL 101	[0+0+3]	2	7.	PL 201	PL 201	PL 201	PL 201	[0+0+3]	2
8.	CL 101	CL 101	CL 101	CL 101	[0+0+3]	2	8.	CL 201	CL 201	CL 201	CL 201	[0+0+3]	2
9.	BL 101	BL 101	BL 101	BL 101	[0+0+3]	2	9.	BL 201	BL 201	BL 201	BL 201	[0+0+3]	2
10.	H 102	H 102	H 102	H 102	[2+0]	2	10.	H 202	H 202	H 202	H 202	[2+0]	2
				Total	28	24					Total	28	24

Note: Semesters 1 and 2 have only common and compulsory courses for all streams. Streaming begins from Semester 3.

M: Core Course in

P: Core Course in Physics

C: Core Course in Chemistry

B: Core Course in

ML: Maths/ Computer Lab

PL: Physics Lab

CL: Chemistry Lab

BL: Biology Lab

H 101: Introduction to Sociology

or

Introduction to Economics

H 201: Technical Communication I

H 201: Introduction to Psychology

or

Introduction to Philosophy

H 202: Technical Communication II

SEMESTER 3

SEMESTER 4

Sr No.	Maths Stream	Physics Stream	Chemistry Stream	Biology Stream	Contact hours per week (theory + tutorials + lab)	Credits	Sr No.	Maths Stream	Physics Stream	Chemistry Stream	Biology Stream	Contact hours per week (theory + tutorials + lab)	Credits
1.	M 301	P 301	C 301	B 301	[3+1+0]	4	1.	M 401	P 401	C 401	B 401	[3+1+0]	4
2.	M 302	P 302	C 302	B 302	[3+1+0]	4	2.	M 402	P 402	C 402	B 402	[3+1+0]	4
3.	M 303	P 303	C 303	B 303	[3+1+0]	4	3.	M 403	P 403	C 403	B 403	[3+1+0]	4
4.	EO 301	EO 301	EO 301	EO 301	[3+1+0]	4	4.	EO 401	EO 401	EO 401	EO 401	[3+1+0]	4
5.	ML 301	PL301	CL 301	BL 301	[4]	2	5.	ML 401	PL 401	CL 401	B L401	[4]	2
6.	MA 301	PL 302	CL 302	BL 302	[4]	2	6.	MA 401	PL 402	CL 402	BL 402	[4]	2
7.	G 301	G 301	G 301	G 301	[2+0]	2	7.	G 401	G 401	G 401	G 401	[2+0]	2
8.	H 301	H 301	H 301	H 301	[2+0]	2	8.	H 401	H 401	H 401	H 401	[2+0]	2
				Total	28	24					Total	28	24

M: Core Course in Mathematics

B: Core Course in Biology

G 301: General Science I (Earth & Environmental Science)

H 301: Philosophy of Science

P: Core Course in Physics

EO: Elective out-of-stream

C: Core Course in Chemistry

M: Additional Mathematics Course

G 401: General Science- II (Energy)

H 401: History of Science

ML: Maths/Computer Lab

PL: Physics Lab

CL: Chemistry Lab

BL: Biology Lab

SEMESTER 5

SEMESTER 6

Sr No.	Maths Stream	Physics Stream	Chemistry Stream	Biology Stream	Contact hours per week (theory + tutorials + lab)	Credits	Sr No.	Maths Stream	Physics Stream	Chemistry Stream	Biology Stream	Contact hours per week (theory + tutorials + lab)	Credits
1.	M 501	P 501	C 501	B 501	[3+1+0]	4	1.	M 601	P 601	C 601	B 601	[3+1+0]	4
2.	M 502	P 502	C 502	B 502	[3+1+0]	4	2.	M 602	P 602	C 602	B 602	[3+1+0]	4
3.	M 503	P 503	C 503	B 503	[3+1+0]	4	3.	M 603	P 603	C 603	B 603	[3+1+0]	4
4.	EO 501	EO 501	EO 501	EO 501	[3+1+0]	4	4.	EO 601	EO 601	EO 601	EO 601	[3+1+0]	4
5.	ME 501	PL501	CL 501	BL 501	[4]	2	5.	ME 601	PL 601	CL 601	B L601	[4]	2
6.	ME 502	PL 502	CL 502	BL 502	[4]	2	6.	ME 602	PL 602	CL 602	BL 602	[4]	2
7.	MP 501	PP 501	CP 501	BP 501		4	7.	MP 601	PP 601	CP 601	BP 601		4
				Total	28	24					Total	28	24

Note: From Semester 5, students begin research/project work, with 4 contact hours per week.

M: Core Course in Mathematics

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ML: Maths/Computer Lab

PL: Physics Lab

CL: Chemistry Lab

BL: Biology Lab

SEMESTER 7

Sl. No.	Courses	Contact hours per week (theory + tutorial + lab)	Credits	Sl. No.	Courses	Contact hours per week (theory + tutorial + lab)	Credits
1	C 701	[3+1+0]	4	1	C 801	[3+1+0]	4
2	CE 701	[3+1+0]	4	2	CE 801	[3+1+0]	4
3	CE 704	[3+1+0]	4	3	CE 804	[3+1+0]	4
4	CP 701	[12]	12	4	CP 801	[12]	12
Total			24	Total			24

SEMESTER 8**SEMESTER 9**

Sl. No.	Courses	Contact hours per week (theory + tutorial + lab)	Credits	Sl. No.	Courses	Contact hours per week (theory + tutorial + lab)	Credits
1	CE 901	[3+1+0]	4	1	CD1001		20
2	CE 905	[3+1+0]	4	2	CS 1001		4
3	CD 901		16				
Total			24	Total			24

SEMESTER 10

CE: Chemistry Elective course
CD: Chemistry desertation

CS: Chemistry Seminar

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COURSE STRUCTURE FOR **BATCH 2007-08**

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2.	P 101	P 101	P 101	P 101	[2+1+0]	3	2.	P 201	P 201	P 201	P 201	[2+1+0]	3	
3.	C 101	C 101	C 101	C 101	[2+1+0]	3	3.	C 201	C 201	C 201	C 201	[2+1+0]	3	
4.	B 101	B 101	B 101	B 101	[2+1+0]	3	4.	B 201	B 201	B 201	B 201	[2+1+0]	3	
5.	H 101	H 101	H 101	H 101	[2+1+0]	3	5.	H 201	H 201	H 201	H 201	[2+1+0]	3	
6.	ML 101	ML 101	ML 101	ML 101	[1+0+2]	2	6.	ML 201	ML 201	ML 201	ML 201	[1+0+2]	2	
7.	PL 101	PL 101	PL 101	PL 101	[0+0+3]	2	7.	PL 201	PL 201	PL 201	PL 201	[0+0+3]	2	
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9.	BL 101	BL 101	BL 101	BL 101	[0+0+3]	2	9.	BL 201	BL 201	BL 201	BL 201	[0+0+3]	2	
10.	H 101	H 101	H 102	H 101	[1+0+0]	1	10.	H 202	H 202	H 202	H 202	[1+0+0]	1	
Total						28	Total						28	24

Note: Semesters 1 and 2 have only common and compulsory courses for all streams. Streaming begins from Semester 3.

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3.	M 303	P 303	C 303	B 303	[3+1+0]	4	3.	M 403	P 403	C 403	B 403	[3+1+0]	4
4.	EO -I	EO -I	EO -I	EO -I	[3+1+0]	4	4.	EO -II	EO -II	EO -II	EO -II	[3+1+0]	4
5.	ML 301	PL 301	CL 301	BL 301	[4]	2	5.	ML 401	PL 401	CL 401	BL 401	[4]	2
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Total						28	Total						28
						24							24

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3.	M 503	P 503	C 503	B 503	[3+1+0]	4	3.	M 603	P 603	C 603	B 603	[3+1+0]	4
4.	EO -III	EO -III	EO -III	EO -III	[3+1+0]	4	4.	EO -IV	EO -IV	EO -IV	EO -IV	[3+1+0]	4
5.	AM 501	PL501	CL 501	BL 501	[4]	2	5.	AM 601	PL 601	CL 601	B L601	[4]	2
6.	AM 502	PL 502	CL 502	BL 502	[4]	2	6.	AM 602	PL 602	CL 602	BL 602	[4]	2
7.	MP	PP	CP	BP	[3]	3	7.	MP	PP	CP	BP	[3]	3
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Total					28	24	Total					28	24

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AM: Additional Mathematics Course

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PL: Physics Lab

CL: Chemistry Lab

BL: Biology Lab

MP: Maths Project

PP: Physics Project

CP: Chemistry Project

BP: Biology Project