

University of LEEDS

SEMESTER – I

S.No.	COURSE	TITLE	L	T	P	Cr
1	UPH004	APPLIED PHYSICS	3	1	2	4.5
2	UTA003	COMPUTER PROGRAMMING	3	0	2	4
3	UEC001	ELECTRONIC ENGINEERING	3	1	2	4.5
4	UTA015	ENGINEERING DRAWING	2	0	4	4
5	UHU003	PROFESSIONAL COMMUNICATION	2	0	2	3
6	UMA010	MATHEMATICS-I	3	1	0	3.5
TOTAL			16	3	12	23.5

SEMESTER – II

S.No.	COURSE	TITLE	L	T	P	CR
1	UCB008	APPLIED CHEMISTRY	3	1	2	4.5
2	UTAXXX	ARTIFICIAL INTELLIGENCE	3	0	2	4
3	UEE001	ELECTRICAL ENGINEERING	3	1	2	4.5
4	UEN002	ENERGY AND ENVIRONMENT	3	0	0	3
5	UTA016	ENGINEERING DESIGN PROJECT-I	1	0	2	3
6	UMA004	MATHEMATICS-II	3	1	0	3.5
7	UES009	MECHANICS	2	1	0	2.5
TOTAL			18	4	8	25

SEMESTER – III

S.No.	COURSE	TITLE	L	T	P	CR
1	UTA024	ENGINEERING DESIGN PROJECT-II	1	0	4	3
2	UTA026	MANUFACTURING PROCESSES	2	0	2	3
3	UMA035	OPTIMIZATION TECHNIQUES	3	0	2	4
4	UCH301	MATERIAL AND ENERGY BALANCES	3	1	0	3.5
5	UES010	SOLIDS AND STRUCTURES	3	0	2#	4
4	UES011	THERMOFLUIDS	2	0	2#	3
TOTAL			14	1	12	20.5

Chemical Engineering
Thermodynamics -1

Process fluid Mechanics

*Alternate laboratory and tutorial per week

SEMESTER – IV

S.NO.	COURSE	TITLE	L	T	P	CR
1	UES012	ENGINEERING MATERIALS	3	1	2	4.5
2	UMA011	NUMERICAL ANALYSIS	3	0	2	4
3	UCH408	CHEMICAL ENGINEERING	3	1	0	3.5
4	UCH401	FLUID & PARTICLE MECHANICS	3	1	2	4.5
5	UCH405	ENERGY RESOURCES	3	1	2	4.5
6	UTA025	INNOVATION AND ENTREPRENEURSHIP	1	0	2*	3
TOTAL			16	4	9	24

Heat Transfer
Mass Transfer-1

University of New South Wales

SEMESTER – I

S.No.	COURSE	TITLE	L	T	P	CR
1	UPH004	APPLIED PHYSICS	3	1	2	4.5
2	UTA003	COMPUTER PROGRAMMING	3	0	2	4
3	UEC001	ELECTRONIC ENGINEERING	3	1	2	4.5
4	UTA015	ENGINEERING DRAWING	2	0	4	4
5	UHU003	PROFESSIONAL COMMUNICATION	2	0	2	3
6	UMA010	MATHEMATICS-I	3	1	0	3.5
TOTAL			16	3	12	23.5

SEMESTER – II

S.No.	COURSE	TITLE	L	T	P	CR
1	UCB008	APPLIED CHEMISTRY	3	1	2	4.5
2	UTAXXX	ARTIFICIAL INTELLIGENCE	3	0	2	4
3	UEE001	ELECTRICAL ENGINEERING	3	1	2	4.5
4	UEN002	ENERGY AND ENVIRONMENT	3	0	0	3
5	UTA016	ENGINEERING DESIGN PROJECT-I	1	0	2	3
6	UMA004	MATHEMATICS-II	3	1	0	3.5
7	UES009	MECHANICS	2	1	0	2.5
TOTAL			18	4	8	25

SEMESTER – III

S.No.	COURSE	TITLE	L	T	P	CR
1	UTA024	ENGINEERING DESIGN PROJECT-II	1	0	4	3
2	UMA035	OPTIMIZATION TECHNIQUES	3	0	2	4
3	UCH301	MATERIAL AND ENERGY BALANCES	3	1	0	3.5
4	UCH401	FLUID AND PARTICLE MECHANICS	3	1	2	4.5
5	UCH305	CHEMICAL ENGINEERING	3	1	0	3.5
6	UCH501	CHEMICAL REACTION ENGINEERING-I	3	1	2	4.5
TOTAL			16	4	10	23

Manufacturing Process

SEMESTER – IV

S.NO.	COURSE	TITLE	L	T	P	CR
1	UES012	ENGINEERING MATERIALS	3	1	2	4.5
2	UMA011	NUMERICAL ANALYSIS	3	0	2	4
3	UCH408	CHEMICAL ENGINEERING	3	1	0	3.5
4	UCH402	HEAT TRANSFER	3	1	2	4.5
5	UCH502	MASS TRANSFER-I	3	1	0	3.5
6	UTA025	INNOVATION & ENTREPRENEURSHIP	1	0	2*	3
TOTAL			16	4	8	23

* Alternate laboratory and tutorial per week