

STUDY & EVALUATION SCHEME
B.SC. (H) CHEMISTRY
I YEAR: I SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCY1003	Physical Chemistry-I	3	1	0	40	60	100	4	Major 1	Own Faculty
2	UCY1004	Organic Chemistry-I	3	1	0	40	60	100	4		
3									10	Major 2	Other Faculty
4											
5	UEG1502SE	Functional English	2	0	0	40	60	100	2	Skills Enhancement	Other Faculty
6	UPC1401	First Aid & Health	2	0	0	100	0	100	**2	Co-Curricular	Other Faculty
PRACTICAL											
7	UCY1201	Chemistry Lab-I	0	0	4	80	20	100	2	Major 1	Own Faculty
8	UEG1501SE	English Language Lab	0	0	2	80	20	100	1	Skills Enhancement	Other Faculty
TOTAL			10	2	6	380	220	600	25		

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C - Credit

STUDY & EVALUATION SCHEME
B.SC. (H) CHEMEISTRY
I YEAR: II SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCY2003	Inorganic Chemistry-I	3	1	-	40	60	100	4	Major 1	Own Faculty
2	UCY2004	Organic Chemistry-II	3	1	-	40	60	100	4		
3	UCY2501VO	Introduction of Household Chemicals, soaps and Detergents	3	0	0	40	60	100	3	Vocational	Own Faculty
4									10	Major 2	Other Faculty
5											
6		Minor Elective- I	4	0	0	40	60	100	4	Minor Elective -I	Other Faculty
7	UBS2401	Food nutrition and Hygiene	2	0	0	100	0	100	**2	Co-Curricular	Other Faculty
PRACTICAL											
8	UCY2201	Chemistry Lab-II	-	-	4	80	20	100	2	Major 1	Own Faculty
TOTAL			15	2	4	340	260	600	29		

L - Lecture

T - Tutorial

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STUDY & EVALUATION SCHEME
B.SC. (H) CHEMISTRY
II YEAR: III SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCY3003	Physical Chemistry-II	3	1	0	40	60	100	4	Major 1	Own Faculty
2	UCY3004	Inorganic Chemistry-II	3	1	0	40	60	100	4		
3	UCY3501SE	Material Science and Techniques in Chemical Industries	3	0	0	40	60	100	3	Skills Enhancement	Own Faculty
4									10	Major 2	Own Faculty
5											
6	UPE3401	Physical Education and Yoga	2	0	0	100	-	100	**2	Co-Curricular course (Minor)	Other Faculty
PRACTICAL											
7	UCY3201	Chemistry Lab-III	0	0	4	40	60	100	2	Major 1	Own Faculty
TOTAL			11	2	4	260	240	500	25		

L - Lecture

T - Tutorial

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STUDY & EVALUATION SCHEME
B.SC. (H) CHEMISTRY
II YEAR: IV SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCY4003	Inorganic Chemistry-III	3	1	0	40	60	100	4	Major 1	Own Faculty
2	UCY4004	Organic Chemistry-III	3	1	0	40	60	100	4		
3	UCY4005	Physical Chemistry-III	3	1	0	40	60	100	4		
4		Major Elective-I	4	0		40	60	100	4		
	UCY4501VO	Food Chemistry	3	0	0	40	60	100	3	Vocational	Own Faculty
5		Minor Elective- II	4	0	0	40	60	100	4	Minor Elective	Other Faculty
7	USO4402	Human Values and Environmental Studies	2	0	0	100	-	100	**2	Co-Curricular	Other Faculty
PRACTICAL											
8	UCY4202	Chemistry Lab-IV	-	-	4	80	20	100	2	Major 1	Own Faculty
TOTAL			22	3	4	420	380	800	27		

L - Lecture

T - Tutorial

P - Practical

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ESE-End Semester Exam

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STUDY & EVALUATION SCHEME
B.SC. (H) CHEMISTRY
III YEAR: V SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCY5002	Inorganic Chemistry-IV	3	1	0	40	60	100	4	Major 1	Own Faculty
2	UCY5003	Organic Chemistry-IV	3	1	0	40	60	100	4		
3	UCY5004	Physical Chemistry-IV	3	1	0	40	60	100	4		
4		Major Elective-II	4	0	0	40	60	100	4		
5	USS5401	*Communication Skills and Personality Development	2	0	0	100	0	100	**2	Co-Curricular	Other Faculty
PRACTICAL											
6	UCY5202	Chemistry Lab-V	0	0	6	80	20	100	3	Major	Own Faculty
7	UCY5701ITM	Term Paper-I	0	0	6	40	60	100	3	Major	Own Faculty
8	UCY5601SM	Seminar	0	0	2	40	60	100	1	Major	Own Faculty
TOTAL			15	3	14	420	380	800	25		

L - Lecture

T - Tutorial

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STUDY & EVALUATION SCHEME
B.SC. (H) CHEMEISTRY
III YEAR: VI SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCY6003	Inorganic Chemistry-V	3	1	0	40	60	100	4	Major 1	Own Faculty
2	UCY6004	Organic Chemistry-V	3	1	0	40	60	100	4		
3	UCY6005	Physical Chemistry-V	3	1	0	40	60	100	4	Major 1	
4		Major Elective-III	3	1	0	40	60	100	4	Major Elective	
5	UAP6401	*Analytic Ability and Digital Awareness	2	0	0	100	0	100	**2	Co-Curricular	Other Faculty
PRACTICAL											
6	UCY6201CV	Comprehensive Viva-Voce	0	0	2	40	60	100	1	Viva-Voce	Own Faculty
7	UCY6201	Chemistry Lab-VI	0	0	6	80	20	100	3	Major	Own Faculty
8	UCY6701ITM	Term Paper-II	0	0	6	40	60	100	3	Major	Own Faculty
TOTAL			14	4	14	420	380	700	25		

L - Lecture

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STUDY & EVALUATION SCHEME
B.SC. (H) CHEMISTRY
IV YEAR: VII SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCY7004	Inorganic Chemistry-VI	3	1	0	40	60	100	4	Major 1	Own Faculty
2	UCY7005	Organic Chemistry-VI	3	1	0	40	60	100	4		
3	UCY7006	Physical Chemistry-VI	3	1	0	40	60	100	4		
4		Major Elective-IV	3	1	0	40	60	100	4		
PRACTICAL											
5	UCY7701PJ	Project-I	0	0	12	40	60	100	6	Project	Own Faculty
6	UCY7201	Chemistry Lab-VII	0	0	8	40	60	100	4	Major 1	Own Faculty
TOTAL			12	4	20	240	360	600	26		

L - Lecture

T - Tutorial

P - Practical

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ESE-End Semester Exam

C - Credit

STUDY & EVALUATION SCHEME
B.SC. (H) CHEMISTRY
IV YEAR: VIII SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCY8004	Inorganic Chemistry-VII	3	1	0	40	60	100	4	Major 1	Own Faculty
2	UCY8005	Organic Chemistry-VII	3	1	0	40	60	100	4		
3	UCY8006	Physical Chemistry-VII	3	1	0	40	60	100	4		
4		Major Elective-V	3	1	0	40	60	100	4		
5		Minor Elective-III	3	1	0	40	60	100	4	Minor Elective	Other Faculty
PRACTICAL											
5	UCY8702PJ	Project-II	0	0	12	40	60	100	6	Project	Own Faculty
6	UCY8201	Chemistry Lab-VIII	0	0	8	40	60	100	4	Major 1	Own Faculty
TOTAL			15	5	20	280	420	700	30		

L - Lecture

T - Tutorial

P - Practical

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LIST OF ELECTIVE

S. NO.	SUBJECT CODE	SUBJECT
	ELECTIVE-I(SEMESTER-IV)	
1	UCY4101	Polymer Chemistry
2	UCY4102	Industrial Chemicals & Environment
	ELECTIVE-II(SEMESTER-V)	
1	UCY5103	Analytical Chemistry
2	UCY5104	Introduction to Spectroscopy
	ELECTIVE-III(SEMESTER-VI)	
1	UCY6101	Per cyclic & Photochemistry
2	UCY6102	Biophysical Chemistry
	ELECTIVE-IV(SEMESTER-VII)	
1	UCY7102	Bioinorganic Chemistry
2	UCY7103	Natural Product
	ELECTIVE-V(SEMESTER-VII)	
1	UCY8103	Nano chemistry
2	UCY8104	Heterocyclic Chemistry

MINOE ELECTIVE COURSES (OPEN FOR OTHER PROGRAMS OF THE UNIVERSITY)

S. No.	COURSE CODE	COURSE	CREDIT	SEMESTER
1	UCY2301	Pollutions, its Management and Industrial Economics	4	II
2	UCY4301	Forensic Analysis	4	IV