

**DR. BABASAHEB AMBEDKAR MARATHWADA
UNIVERSITY SUBCAMPUS, OSMANABAD
DEPARTMENT OF CHEMISTRY**



CHOICE BASED CREDIT & GRADING SYSTEM SYLLABUS

(CBC & GS)

M. Sc. I & II Year

(Organic Chemistry)

(W.E.F. June, 2019)

M. Sc. I & II Year (Organic Chemistry)								
Sem	Course	Code	Subject Title	Credit	Teaching Hrs/Week	Marks		Total
						Internal	Final	
I	Common	COM-100	Constitution of India	2	2	10	40	50
	Core	CHEC-101	Inorganic Chemistry	4	4	20	80	100
		CHEC-102	Organic Chemistry	4	4	20	80	100
		CHEC-103	Physical Chemistry	4	4	20	80	100
	Foundation	CHEF-104	Analytical Chemistry	4	4	20	80	100
	Laboratory	CHEL-105	Laboratory Course-I	4	8	NA	100	100
		CHEL-106	Laboratory Course-II	4	8	NA	100	100
Total				26	34	90	560	650
II	Research	CHER-200	Research Methodology	2	2	10	40	50
	Core	CHEC-201	Inorganic Chemistry	4	4	20	80	100
		CHEC-202	Organic Chemistry	4	4	20	80	100
		CHEC-203	Physical Chemistry	4	4	20	80	100
	Foundation	CHEF-204	Applications of Organic Spectroscopy	4	4	20	80	100
	Laboratory	CHEL-205	Laboratory Course-III	4	8	NA	100	100
		CHEL-206	Laboratory Course-IV	4	8	NA	100	100
Total				26	34	90	560	650
III	Core	CHECO-301	Applications of Molecular Spectroscopy	4	4	20	80	100
		CHECO-302	Bio-Organic & Green Chemistry	4	4	20	80	100
		CHECO-303	Organic Reactions & Rearrangements	4	4	20	80	100
	Elective	CHEEO-304	Applied Organic Chemistry OR	4	4	20	80	100
		CHEEO-304	Chemistry of Natural products	4	4	20	80	100
	Laboratory	CHELO-305	Laboratory Course-V	4	8	NA	100	100
		CHELO-306	Laboratory Course-VI	4	8	NA	100	100
	Service		Service Course	4	4	20	80	100
	Total				28	36	100	600
IV	Core	CHECO-401	Introduction to Medicinal Chemistry	4	4	20	80	100
		CHECO-402	Drug Synthesis	4	4	20	80	100
		CHECO-403	Heterocyclic Chemistry And Polycyclic Hydrocarbons	4	4	20	80	100
	Elective	CHEEO-404	Organic Synthesis: Retrosynthetic Approach OR	4	4	20	80	100
		CHEEO-404	Organic High Polymers	4	4	20	80	100
	Research	CHERO-405	Research Literature & Seminar	4	8	NA	100	100
		CHERO-406	Research Project (Experimental)	4	8	NA	100	100
		CHERO-407	Research Project (Dissertation & Presentation)	4	8	NA	100	100
	Total				28	40	80	620
Grand Total				108	144	360	2340	2700

