



Koneru Lakshmaiah Education Foundation

(Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' Grade University ♦ Approved by AICTE ♦ ISO 9001-2015 Certified

Campus: Green Fields, Vaddeswaram - 522 502, Guntur District, Andhra Pradesh, INDIA.

Phone No. 0863 - 2399999; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 -2577715, Fax: +91-866-2577717.

Department of Chemistry.A.Y.2022-23

Programme Articulation Matrix (Mapping of Courses with POs)

S. No	Course Code	Course Name	Category	L	T	P	S	Cr	PR	PO						
										1	2	3	4	5	6	7
1	22CY5101	Theoretical Chemistry-I	Prof. Core	4	0	0	0	4	-	1	2	2				
2	22CY5102	Inorganic Chemistry- I	Prof. Core	4	0	6	0	7	-			2				
3	22CY5103	Organic Chemistry-I	Prof. Core	4	0	6	0	7	-	2	2	2				
4	22CY5104	Physical Chemistry-I	Prof. Core	4	0	6	0	7	-	1	3	2	3			
5	22CY5201	Theoretical Chemistry-II	Prof. Core	4	0	0	0	4	-	2	2	3				
6	22CY5202	Inorganic Chemistry- II	Prof. Core	4	0	6	0	7	-	2		3	3		2	
7	22CY5203	Organic Chemistry-II	Prof. Core	4	0	6	0	7	-		2	3	2	3	2	3
8	22CY5204	Physical Chemistry-II	Prof. Core	4	0	6	0	7	-	1	3	2	3	2	2	
9	22CY5301	Instrumental Methods of Analysis-I	Prof. Core	4	0	6	0	7	-	1	3	2	1	3		
10	22CY5302	Quality Control and Classical Methods of Analysis	Prof. Core	4	0	0	0	4	-	1	3	2	1	3		
11	22CY5303	Applied Chemical Analysis	Prof. Core	4	0	6	0	7	-	1	2	2	3	2		
12	22CY5310	Organic Synthesis-I	Prof. Core	4	0	6	0	7	-	1	3	2	2	1		
13	22CY5311	Natural Products and Bio-molecules	Prof. Core	4	0	6	0	7	-	1	2	2	3	1		
14	22CY5312	Organic Spectroscopy	Prof. Core	4	0	0	0	4	-	1	3	3				
15	22CY5401	Instrumental Methods of Analysis-II	Prof. Core	4	0	6	0	7	-	2	2	3		3		
16	22CY5402	Advance Applied Chemical Analysis	Prof. Core	4	0	6	0	7	-	2	3	2	3	3		

17	22CY5403	Dissertation with Research Publication	Skill Development	0	0	12	0	6	-				3			
18	22CY5407	Organic Synthesis-II	Prof. Core	4	0	6	0	7	-	2	2	3	2	2		
19	22CY5408	Advance Heterocyclic chemistry	Prof. Core	4	0	6	0	7	-	2	3	2	2			
20	22CY5409	Dissertation with Research Publication	Skill Development	0	0	12	0	6	-				3			
21	22CY5304	Separation Techniques	Prof. Electives	3	0	0	0	3	-	2				3		
22	22CY5305	Applications of Chemical Spectroscopy	Prof. Electives	3	0	0	0	3	-	1	2	2	3	2		
23	22CY5306	Bio analytical Chemistry	Prof. Electives	3	0	0	0	3	-	1	3	2	3	2		
24	22CY5307	Environmental Chemistry	Prof. Electives	3	0	0	0	3	-	1	2	2	3	2		
25	22CY5308	Surface Analytical Techniques	Prof. Electives	3	0	0	0	3	-	1	2	2	3	2	1	
26	22CY5309	Analysis of Food and Drugs	Prof. Electives	3	0	0	0	3	-	1	2	2	3	2	1	
27	22CY5313	Photo Chemistry and Pericyclic reactions	Prof. Electives	3	0	0	0	3	-	1	3	2	2	3	1	
28	22CY5314	Organometallic Chemistry	Prof. Electives	3	0	0	0	3	-	1	2	2		3		
29	22CY5315	Bio Organic Chemistry	Prof. Electives	3	0	0	0	3	-	1	2	2		3	2	
30	22CY5316	Green & Sustainable Chemistry	Prof. Electives	3	0	0	0	3	-	2	2	3	2	2	1	
31	22CY5317	Supra molecular Chemistry	Prof. Electives	3	0	0	0	3	-	1	3	2	1	3		
32	22CY5318	Medicinal chemistry	Prof. Electives	3	0	0	0	3	-	2	3	2	2			
33	22CY5404	Chromatographic Techniques & Method Validation	Prof. Electives	3	0	0	0	3	-	2	2	3	2	2	3	
34	22CY5405	Classical Methods of Analysis	Prof. Electives	3	0	0	0	3	-	2	3	2	2	3		

35	22CY5406	Chemo Sensors and body fluid analysis	Prof. Electives	3	0	0	0	3	-	2	2	3	2	2	3	
36	22CY5410	Drug Design & Development	Prof. Electives	3	0	0	0	3	-	2	2	3	3	2		
37	22CY5411	Chemistry of Drugs and Pharmaceuticals	Prof. Electives	3	0	0	0	3	-	2	2	3	2	2		
38	22CY5412	Nano Chemistry	Prof. Electives	3	0	0	0	3	-	2	2	3	2	3		
39	22UC1203	Design Thinking and Innovation	HSS	1	0	0	4	2	-	2	3	2	2	3	3	