

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM – 612 001

Affiliated to Bharathidasan University

DST - CURIE Sponsored Institution

IV Cycle of Accreditation



☎ 0435 – 2401391


✉ principal@gcw.ac.in



DEPARTMENT OF CHEMISTRY – UNDER GRADUATE

S. NO	COURSE CODE	COURSE NAME	ISSUED ADDRESSED	FOCUS OF THE COURSE
1.	U21CH3NME1:2 / 18CH3NMEC1:1	Chemistry Of Consumer Products	Professional Ethics	Students understand the usage and hazards of chemicals in daily life
2.	U21CH4NME2:1 / 18CH4NMEC2	Industrial Chemistry	Environmental & Sustainability	This course deals the Industrial products –sugar, paper, pigments, paints, varnishes, glass, ceramic, lime, fertilizers, adhesives, lubricants, explosives and oils
3.	U21CH5MBE1:1/ 18CHC5EC3	Analytical Chemistry (E-Ia)	Professional Ethics	To study the principles and applications of chromatography, colorimetry methods
4.	U21CH5MBE1:2/ 18CHC5EC3:1	Water Treatment And Analysis (E-Ib)	Professional Ethics & Environmental & Sustainability	To study about water pollution and its types along with the water quality parameters and various techniques for waste treatment to maintain the environmental sustainability.
5.	U215CHSE2	Domestic Chemistry	Professional Ethics	The students are skilled to prepare domestic products.
6.	U21CH6MBE3:1 / 18CH6EC5	Pharmaceutical Chemistry	Professional Ethics	Correlate the structure-mechanism and drug action of antibiotics.




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7.	U21CH3NM E1:1/ 18CH3NME C1	Agricultural Chemistry	Environmental &Sustainability	Students understand the usage and hazards of fertilizers and pesticides
8.	18CH4NME C2 :1/ U21CH4NM E2:2	Basic Clinical Chemistry	Human Values	Students understand about drugs, antibiotics, anesthetics, analgesics and its uses.
9.	U215CHSE3	Impact Of Medicinal Plants On Society	Environmental &Sustainability, Human Values	To learn about medicinal plants and its extraction method.
10.	U21CH6MB E2:2/ 18CH6EC4:1	Food Chemistry	Human Values, Professional Ethics	The students are aware of food flavours, additives, food adulterants and its detection in various food items.
11.	U21CH6MB E2:3/ 18CH6EC4:2	Role Of Chemistry In Life - (E -Ii C)	Environmental &Sustainability	The students are aware the importance of domestic products used in their daily life
12.	U21CH6MB E3:2/ 18CH6EC5:1	Bio-Chemistry	Professional Ethics	Elucidate the role of enzymes and hormones in major metabolic path ways.




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DEPARTMENT OF CHEMISTRY – POST GRADUATE

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1.	P21CH1SE1 / P18CH2EC2:2	Textile Chemistry	Professional Ethics & Environmental & Sustainability	Gain basic knowledge in manufacturing processes of cotton & synthetic fibers.
2.	P21CH2SE2P	Textile Chemistry Practical	Professional Ethics & Environmental & Sustainability	Gain basic knowledge in manufacturing processes of cotton & synthetic fibers.
3.	P21CH3MBE3:1/ P18CHC3EC3	Medicinal Chemistry	Professional Ethics & Environmental & Sustainability	The students are aware of drugs, drug metabolism, development and design of new drugs, structure activity relationship. It also explains the mode of action of antibacterial and anticancer drugs
4.	P21CH4MBE4:1/ P18CHCEC4	Recent Trends In Chemistry (Iv A)	Professional Ethics & Environmental & Sustainability	Gain basic knowledge in various advanced research fields
5.	P21CH4MBE4:3	Polymer Chemistry (Iv C)	Professional Ethics & Environmental & Sustainability	Students aware of various synthesis methods of polymerization and its applications.
6.	P21CH1MBE1:2/ P18CHC3EC3:2	Chemistry Of Nano Science (I B)	Environmental & Sustainability	To moulds the young minds by futuristic trends in chemistry of nanomaterials, its synthesis, characterization techniques and applications towards the bio sustainability.
7.	P21CH2MBE2:2/ P18CHC1EC1:2	Green Chemistry (Ii B)	Environmental & Sustainability	To understand the different techniques on green chemistry.
8.	P21CH2ED	Food & Nutrition	Professional Ethics & Human Values	The students are aware of food flavours, additives, food adulterants and its detection in various food items.




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