

**DEPARTMENT OF CHEMISTRY**  
**Gurukula Kangri Vishwavidyalaya, Haridwar**  
**B.Sc. (CHEMISTRY)**

DSC/ SEC/DSE	Subject Code	Subject Title	L	Period Per Week			Evaluation Scheme			Subje ct Total
				T	P		Sessional		ES E	
						Cred it	CT	T A		
<b>B.Sc. I Year</b>										
<b>Semester – I</b>										
DSC 2A	BCH-C101	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	3	1	-	4	20	10	70	100
DSC 2 A Lab	BCH -C151	LAB COURSE – I	-	-	4	2	20	10	70	100
<b>Semester – II</b>										
DSC 2 B	BCH -C201	Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I	3	1	-	4	20	10	70	100
DSC 2 B Lab	BCH -C251	LAB COURSE – II	-	-	4	2	20	10	70	100
						<b>Total</b>	<b>12</b>			<b>400</b>
<b>B.Sc. II Year</b>										
<b>Semester – III</b>										
DSC 2C	BCH -C301	Solutions, Phase Equilibria, Conductance, Electrochemistry & Functional Group Organic Chemistry-II	3	1		4	20	10	70	100
SEC 1	BCH -S301	SEC-1 Chemical Technology & Society	2	-	-	4	20	10	70	100
DSC 2C Lab	BCH -C351	LAB COURSE – III	-	-	4	2	20	10	70	100
<b>Semester – IV</b>										
DSC 2D	BCH -C401	Chemistry of s- and p-block elements, States of matter & Chemical kinetics	3	1		4	20	10	70	100
SEC 2	BCH -S401	SEC-2 Business Skills for Chemists	2	-	-	4	20	10	70	100
DSC 2D Lab	BCH -C451	LAB COURSE – IV	-	-	4	2	20	10	70	100
						<b>Total</b>	<b>20</b>			<b>600</b>
<b>B.Sc. III Year</b>										
<b>Semester – V</b>										
DSE 1	BCH -E501	DSE-1 Industrial	3	1		4	20	10	70	100

		Chemicals & Environment								
SEC 3	BCH -S501	SEC-3 Pesticide Chemistry	2	-	-	4	20	10	70	100
DSE 1 Lab	BCH -E551	LAB COURSE –V	-	-	4	2	20	10	70	100
<b>Semester – VI</b>										
*DSE 2	BCH -E671	DSE-2 Project	6	-	-	6	60*		140	200
**SEC 4	BCH -S601	SEC -4 Fuel Chemistry	2	-	-	4	20	10	70	100
						<b>Total</b>	<b>20</b>			<b>600</b>
						<b>TOTAL CREDITS</b>	<b>52</b>	<b>G</b>		<b>1600</b>
								<b>TOTAL</b>		

L = Lecture, T = Tutorial, P = Practical

CT = Cumulative Test, TA = Teacher Assessment, ESE = End Semester Examination