



Chowgule Education Society's
Parvatibai Chowgule College of Arts and Science
 (Autonomous)

Accredited by NAAC with Grade 'A+' (CGPA Score 3.27 on a 4 Point Scale)
 Best Affiliated College-Goa University Silver Jubilee Year Award

TIME TABLE (Odd Semester)
First Year Bachelor of Science 2023-24
SEMESTER I

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 - 9:30	G4 Mat (D302) Zoo (D303)	SEC Bot (B208) CS(D302) Geg(D301) Phy (D303)	SEC BT (D303) Che (D302) GEL (B208)	Eng HL/LL (Div D) D-301 Eng HL/LL (Div F) D-303	Eng HL/LL (Div E-SF) D-301 Eng HL/LL (Div F) D-303	Eng HL/LL (Div G) D-303 G2 Phy (Mi B205)
9:30 - 10:30	G1 Bot (B306) Gel (C201) Geg (B305)	G2 BT (B203) Phy (Mj B306 Mi B305)	G3 CS (D302) Che (D303)	Eng HL/LL (Div D) D-301	Eng HL/LL (Div E-SF) D-301 SEC Mat (B208)	Eng HL/LL (Div G) D-303
10:30-10:35	BREAK					
10:35-11:35	PRAC: CORE G1	PRAC: CORE G2	PRAC: CORE G3	PRAC: SEC Mat (D303)	PRAC: CORE G4 Mat (10:35 B307 11:35 C201)	PRAC: MDC
11:35-12:35						
12:35-1:15	LUNCH BREAK					
1:15-2:15	G2 BT (B203) Phy (Mj B202)	G1 Bot (B202) Gel (B204) Geg (B203)	G4 Mat (B203) Zoo (B204)	G3 CS (B205) Che (D303)	VAC2 Eco2 (B203) Phi2 (B306) Mar(B305) Psy (D301) CS (D302)	MDC Eco1 (B202) Eco2 (B203) Fre(C202) Geg (B304) Phi (B307) CS1 (B204) CS2 (B205)

					Soc(B304)	Mat (B305) Bot (B308) Che1 (C101) Che2 (C102) Gel1 (C201) Gel2 (C301) Phy (B306)
2:15 – 3:15	MDC Eco1B203 Eco2B204 Fre B205 Geg B207 Phi B305 Mat D303 Bot C101 Che1C102 Che2C201 CS1 D301 CS2 D302 Gel1B303 Gel2B304 Phy C301	G3 CS D303 Che D301	G2 BT (B302) Phy (Mj B303 Mi B204)	MDC Eco1 B203 Eco2 B204 Fre B205 Geg B207 Phi B305 Mat D303	Non-Evaluative Credits	VAC1 Eco1 (C101) Geg (C102) His (C201) Hin (B205) Phi1 (B207) Eng(D301)
3:15 – 4:15	VAC1 Eco1B203 Geg B204 His B205 HinB207 Phi1 C101 Eng D301	SEC BT B303 Bot B304 Che B305 CS C301 Gel B306 Phy B307 Geg B308	G1 Bot (B203) Gel (B204) Geg (B205)	G4 Zoo (B205)	Non-Evaluative Credits	VAC2 Eco2 B203 Mar B204 Phi2 B205 Psy D301 CS D303 Soc C101

Subject Groupings:

G1: Botany (Bot), Geography (Geg), Geology (Gel)

G2: Biotechnology (BT), Physics (Phy)

G3: Computer Science (CS), Chemistry (Che)

G4: Mathematics (Mat), Zoology (Zoo)

Compulsory English

Effective English Communication (Lower Level: LL)

Academic Writing-I (Higher Level: HL)

Skill Enhancement Courses (SEC)

Biotechnology (BT) : Mushroom Cultivation

Botany (Bot) : Basics in Horticulture

Chemistry (Che) : Skill Development in Chemistry

Computer Science (CS): Programming with R

Geology (Gel) : Exploratory Drilling and Drillhole Data Management

Geography (Geg) : Basic of Geographical Information System (GIS)

Mathematics (Mat) : Differential Equations I

Physics (Phy) : Introduction to Mathematical Physics I

Multi-Disciplinary Courses (MDC)

Economics (Eco1) : Financial Investment for all
Economics (Eco2) : Natural resource economics
French (Fre) : Beginners Level for Tourism and Hospitality
Geography (Geg) : Geography and Development Models
Philosophy (Phi) : Current Ethical Issues

Computer Science (CS1): Introduction to Python Programming

Computer Science (CS2): Office Automation

Mathematics (Mat) : Statistics I

Botany (Bot) : Plant Animal Interaction

Chemistry (Che1) : Basics in Chemistry

Chemistry (Che2) : Selected Topics in Organic and Inorganic Chemistry

Geology (Gel1) : Natural Hazard Management

Geology (Gel2) : Historical Geology

Physics (Phy) : General Physics: Fluids and Heat

Value Added Courses 1 (VAC1)

Economics (Eco1) : Kautilya's Arthashastra
Geography (Geg) : Exploring Diversity of India
History (His) : Understanding Goa: Liberation and Challenges
Hindi (Hin) : Yog Shikshan
Philosophy (Phi1) : Professional Ethics
English (Eng) : E-Portfolio

Value Added Courses 2 (VAC2)

Economics (Eco2) : Financial Literacy
Marathi (Mar) : **Laigik Samanta**
Philosophy (Phi2) : Value Education
Psychology (Psy2) : Psychology of Health Behaviour
Computer Science (CS): Cyber Security
Sociology (Soc): Substance Abuse and Aids Awareness



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**TIME TABLE (Odd Semester)
Second Year Bachelor of Science 2023-24
SEMESTER III**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 – 9:30	Elective Courses BC (B307); Che (B202); BT (B302); CS (F103); Phy (B207); Zoo (B204); Mat(Fri-Sat :B208); Gel (A316); Bot (C303A)					
9:30 – 10:30	Elective Courses BC (B307); Che (B202); BT (B302); CS (F103) Phy (B207); Zoo (B204); Mat (Mon-Tues B208); Gel (A316); Bot (C303A)			G1 (Mj+Mi) CS (F103); BC (B307); Che (B202); BT (B302); Phy (B207); Zoo (B204); Gel (A316); Bot (C303A)		
10:30-10:35	BREAK					
10:35-11:35	Elective 4 Che(Mon:D303) Maths (D302)) / Practical			Elective 4 Phy(B304) /Practical	SEC BC & BT (D303) Bot (C303A) CS (Fri:B306, Sat:C202) Che 1(C301) Che2 (B302) Gel (A 315) Mat (10:30 B207, 11:30 B303) Phy (B304) Zoo (B305)	
11:35 – 12: 35						
12: 35 – 1: 15	BREAK					
1:15 – 2: 15	Maths (1:15 B207, 2:15:Mon,Wed,Thur B306, Tue B207) / Practical*				Elective 4 Phy B207	Maths / Practical Elective 4 Che(1:15-3:15 D303)

2:15-3:1 5		Non-Evalu ative Credits	
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Subjects:

Biotechnology (BT), Biochemistry (BC), Botany (Bot), Chemistry (Che), Computer Science (CS), Geology (Gel), Mathematics (Mat), Physics (Phy), Zoology (Zoo)

Major : 01 Core; 03 Electives

Major-Minor : 01 Core in Major and 01 in Minor; 02 Electives from Major

Skill Enhancement Courses (SEC)

Biochemistry & Biotechnology (BC & BT): Food and Fermentation Technology

Botany (Bot) : Bioresource Management

Computer Science (CS) : Programming in Python

Chemistry (Che1) : Skill Development in Chemistry

Chemistry (Che2) : Laboratory techniques in Organic Chemistry

Geology (Gel) : Gemmology

Mathematics (Mat) : Differential Equations 1

Physics (Phy) : Basics of Visualisation and Scientific Word Processing

Zoology (Zoo) : Waste Management Techniques



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**TIME TABLE (Odd Semester)
Third Year Bachelor of Science 2023-24
SEMESTER V**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-10:30	Pract. / Mat [8.30-9.30- B208(Mon), B203(Fri-Sat), 9:30-10.30- C 301]					
10:30-10:35	BREAK					
10:35-11:35	Elective Courses Phy (B303); Mat (B304); BC (B305); Che (B306); BT (B 307); CS (F103); Zoo (C101); Gel (A317); Bot (C102)			G1 (Mj+Mi) Phy (B208); Mat (Thur:C301,Fri:B202); BC (Thur, Sat B306); Che (B308); BT (B303); CS (F103); Zoo (Thur:B307,Fri,Sat); Gel (A317); Bot (C303A)		
11:35 - 12: 35	Elective Courses Phy (B308); Mat (Mon-Thur:C301,Fri:C102); BC (B307); Che (Mon-Thur&Sat B306, Fri C202) ; BT (B203); CS (F103); Zoo (B202); Gel (A317); Bot (B207);					
12: 35 - 1: 15	BREAK					
1:15-2:15					Non-Evaluative Credits	
2:15-3:15	Elective 4 Che(B302)	Elective 4 Che(B304)	Elective 4 Che(B304)			

Subjects:

Biotechnology (BT), Biochemistry (BC), Botany (Bot), Chemistry (Che), Computer Science (CS), Geology (Gel), Mathematics (Mat), Physics (Phy), Zoology (Zoo)