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(ÁéAiÄÄvÄÛ)
ªÄÄ0UÄ¼ÄÆgÄÄ- 575 003
www.stalloysius.edu.in



ST ALOYSIUS COLLEGE(AUTONOMOUS)
MANGALURU - 575 003
Phone: 0824-2449700, 2449701
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Re-accredited by NAAC with 'A' Grade with CGPA 3.62/4

Recognised by UGC as "College with Potential for Excellence"

Conferred "College with "STAR STATUS" by DBT, Government of India.

Centre for Research Capacity Building under UGC-STRIDE

Date: 17-08-2022

NOTIFICATION

Sub: Syllabus of **B.Sc. PHYSICS** under NEP Regulations, 2021.
(As per Mangalore University guidelines)

- Ref: 1. Decision of the Academic Council meeting held on 18-12-2021 vide
Agenda No: 6.23 (2021-22)
2. Decision of the Academic Council meeting held on 09-07-2022 vide
Agenda No: 14
3. Office Notification dated 21-02-2022
4. Office Notification dated 17-08-2022

Pursuant to the above, the Syllabus of **B.Sc. PHYSICS** under NEP Regulations, 2021 which was approved by the Academic Council at its meeting held on 18-12-2021, 09-07-2022 & 25-02-2023 is hereby notified for implementation with effect from the academic year **2021-22**.

Principal

PRINCIPAL

To:

1. The Chairman/Dean/HOD
2. The Registrar Office
3. Library



Registrar
REGISTRAR

Course Structure – B.Sc. Physics

3 Years B.Sc. Course with Physics as one of the major subject and open Electives according to National education policy(2020)

semester	Discipline core (DC) Subject	Subject code	Theory hours/ week	Practical hours/ week	Duration of exams (Hours)	Marks and Credits			
						Exam	IA	Total	Credits
I	Mechanics and Properties of Matter	G501 DC1.1	4		2.5	60	40	100	4
I	Practical-Lab	G501 DC2.1P		4	4	25	25	50	2
I	Electrical Circuits and Wiring	G501 OE1.1	3		2.5	60	40	100	3
II	Electricity and Magnetism	G501 DC1.2	4		2.5	60	40	100	4
II	Practical-Lab	G501 DC2.2P		4	4	25	25	50	2
II	Renewable Energy and Energy Harvesting	G501 OE1.2	3		2.5	60	40	100	3
III	Waves and Optics	G501 DC1.3	4		2.5	60	40	100	4
III	Practical-Lab	G501 DC2.3P		4	4	25	25	50	2
III	Fundamentals of Optics and Electricity	G501 OE1.3	3		2.5	60	40	100	3
IV	Thermal Physics and Electronics	G501 DC1.4	4		2.5	60	40	100	4
IV	Practical-Lab	G501 DC2.4P		4	4	25	25	50	2
IV	Financial Education and Investment Awareness		3		2.5	30	20	50	



St Aloysius College (Autonomous)
Mangaluru

Re-accredited by NAAC “A” Grade
Course structure and syllabus of
B.Sc.
CHEMISTRY

Under NEP Regulations, 2021



Re-accredited by NAAC with 'A' Grade with CGPA 3.62/4
Recognised by UGC as "College with Potential for Excellence"
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Centre for Research Capacity Building under UGC-STRIDE

Date: 21-02-2022

NOTIFICATION

Sub: Syllabus of **B.Sc. CHEMISTRY** under NEP Regulations, 2021.
(As per Mangalore University guidelines)

Ref: 1. Decision of the Academic Council meeting held on 18-12-2021 vide
Agenda No: 6 (2021-22)
2. Office Notification dated 21-02-2022

Pursuant to the above, the Syllabus of **B.Sc. CHEMISTRY** under NEP Regulations, 2021 which was approved by the Academic Council at its meeting held on 18-12-2021 is hereby notified for implementation with effect from the academic year **2021-22**.

PRINCIPAL



REGISTRAR

To:

1. The Chairman/Dean/HOD
2. The Registrar Office
3. Library

COURSE PATTERN

Course No & Paper / Practical	Teaching Hours per week	Duration of Exam (Hours)	Marks		
			I A	Exam	Total
FIRST SEMESTER					
G 502DC 1.1: Analytical and Organic Chemistry – I	4	2.5	40	60	100
G 502 DC2.1P:Analytical and Organic Chemistry – I	4	2.5	40	60	100
G 502 OE1.1: Chemistry in Daily Life	3	2.5	40	60	100
SECOND SEMESTER					
G502 DC1.2: Inorganic and Physical Chemistry - I	4	2.5	40	60	100
G 502 DC 2.2P: Inorganic and Physical Chemistry - I	4	2.5	40	60	100
G 502 OE 1.2: Molecules of Life	3	2.5	40	60	100