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(ÄéAiÄÄvÄÛ)  
ÄÄÄ0UÄ¼ÄÆgÄÄ- 575 003  
www.stalloysius.edu.in



ST ALOYSIUS COLLEGE(AUTONOMOUS)  
MANGALURU - 575 003  
Phone: 0824-2449700, 2449701  
Fax: 0824-2449705  
Email: principal@stalloysius.edu.in

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**.

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**PRINCIPAL**

To:

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



*mm*  
**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	





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Date:

### NOTIFICATION

Sub: Syllabus of **B.A./B.Sc. COMPUTER ANIMATION** 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: 6.12 (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  
2. Office Notification dated 17-08-2022

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

PRINCIPAL



REGISTRAR

To:

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2. The Registrar Office
3. Library

**Program: BSC / BA (Basic and Honors)**

**Subject: Computer Animation**

Sem	Discipline Specific Core Courses (DSC)	Hour of Teaching/ Week		Discipline Specific Elective Courses (DSC)	Hour of Teaching/ Week
		Theory	Lab		
1	DSC -1: Graphic Design for Animation  DSC -1 Lab: Graphic Design Lab	4	4		
2	DSC -2: Pre Production and 2D Animation  DSC -2 Lab: 2D Animation Lab	4	4		
3	DSC -3: Visual Effects  DSC -3 Lab: Visual Effects Lab	4	4		
4	DSC -4: 3D Modelling  DSC -4 Lab : 3D Modelling Lab	4	4		
5	DSC -5: 3D Texturing, Camera & Lighting DSC -6: Web Designing & Development  DSC -5 Lab : 3D Texturing Lab DSC -6 Lab : Web Designing Lab	3 3	4 4	VC-1: Story Board & Script Writing	
6	DSC -7: 3D Rigging & Animation DSC -8: 3D Dynamics & Effects  DSC-7 Lab: 3D Rigging & Animation Lab DSC -8 Lab : 3D Dynamics & Effects Lab	3 3	4 4	VC-2: Traditional Animation	
7	DSC- 9: Game Environment Design DSC- 10: Digital Designing & Advertisement DSC- 11: Film Making	3 3 3	4 4	DSE -1: Stop Motion and Cut-out Animation Group – 1 DSE -2: History of Animation DSE -3:	3 3

	DSC- 9 Lab: Game Environment Design Lab DSC- 10 Lab: Digital Designing & Advertisement Lab			Layout Designing Group - 2 <b>Research Methodology:</b>	3
8	DSC -12: 3D Character Modelling & Animation DSC -13: Environment Sketching DSC -14: Production Techniques  DSC -12 Lab: 3D Character Modelling & Animation Lab	3 3 3	4	DSE -1: Comic Art & Design DSE -2: Sculpture design DSE -3: Ad Film Making Group - 3 <b>Research Project:</b>	3 3 3 6

### **BA/BSC Animation-Program Structure**

**Proposed Scheme of Teaching & Evaluation for BA/BSc Animation (Basic/Hons)**  
having practical core courses

Sl. No	Course Code	Title of the Course	Category of Courses	Teaching Hours per Week (L + T + P)		SEE	CIE	Total Marks	Credits
				Theory	Lab				
				1	G 110 DC 1.1/ G 512 DC 1.1				
2	G 110 DC 1.1P/ G 512 DC 1.1P	Graphic Design Lab	DSC		4	25	25	50	2
3	G 110 OE 1.1	Environment & Character Sketching	OE	3		60	40	100	3
4	G 110 DC 1.2/ G 512 DC 1.2	Pre-Production and 2D Animation	DSC	4		60	40	100	3
5	G 110 DC 1.2P/ G 512 DC 1.2P	2D Animation Lab	DSC		4	25	25	50	2
6	G 110 OE 1.2	Digital Designing	OE	3		60	40	100	3
7	G 110 DC1.3	Visual Effects	DSC	4		60	40	100	3

<b>8</b>	G 110 DC2.3P	Visual Effects Lab	DSC		4	25	25	50	2
<b>9</b>	G 110 OE 1.3	History of animation	OE	3		60	40	100	3
<b>10</b>	G 110 DC1.4	3D Modelling	DSC	4		60	40	100	3
<b>11</b>	G 110 DC2.4P	3D Modelling Lab	DSC		4	25	25	50	2
<b>12</b>	G 110 OE 1.4	Video editing	OE	3		60	40	100	3