ಸಂತ ಅಲೋಶಿಯಸ್ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)
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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: 12-08-2021

NOTIFICATION

Sub: Syllabus of **M.Sc. Biochemistry** under Choice Based Credit System.

Ref: 1. Decision of the Academic Council meeting held on 19-06-2021vide Agenda No: 9 (2021-22)

2. Office Notification dated 12-08-2021

Pursuant to the above, the Syllabus of **M.Sc. Biochemistry** under Choice Based Credit System which was approved by the Academic Council at its meeting held on 19-06-2021 is hereby notified for implementation with effect from the academic year **2021-22.**

PRINCIPAL

ST. ALOYSIUS COLLEGE MANGALURU 575 003 (AUTONOMOUS)

REGISTRAR

To:

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

M.Sc. Biochemistry							
I Semester (2+1 Hard core and 2+1 soft core paper)							
Code	**Papers**	**Instruction hours/ Week**	**Duration of Exam (hours)**	**Marks**		**Total**	**Credits**
				IA	**End Semester**		
PH 511.1	Biomolecules	5	3	30	70	100	5
PH 512.1	Biochemical Techniques	4	3	30	70	100	4
PH 513.1P	Bioquantitation	8	4	30	70	100	4
PS 514.1	Organic and Physical Biochemistry	3	3	30	70	100	3
PS 515.1	Physiology and Nutrition	3	3	30	70	100	3
PS 516.1	General microbiology						
PS 517.1P	Analytical Techniques	8	4	30	70	100	3
PS 518.1P	Experimental microbiology						
	Total					**600**	**22**
II Semester (2+1 Hard core and 2+1 Soft core papers and 1 open elective paper)							
PH 511.2	Enzymology	5	3	30	70	100	5
PH 512.2	Metabolism	4	3	30	70	100	4
PH 513.2P	Practical Enzymology	8	4	30	70	100	4
PS 514.2	Research Methodology and Ethics	3	3	30	70	100	3
PS 515.2	Biotechnology	3	3	30	70	100	3
PS 516.2	Neurobiochemistry						
PS 517.2P	Practical Biotechnology	8	4	30	70	100	3
PS 518.2P	Experimental Neurobiochemistry						
PO 519.2	Biochemistry of Diseases	3	3	30	70	100	3
	Total					**700**	**25**

M.Sc. Biochemistry							
III Semester (2+2 Hard core and 1 Soft core papers and open elective 1 paper							
Code	**Papers**	**Instruction hours/ Week**	**Duration of Exam (hours)**	**Marks**		**Total**	**Credits**
				IA	**End Semester**		
PH 511.3	Molecular Biology	5	3	30	70	100	5
PH 512.3	Nitrogen Metabolism & Plant Biochemistry	4	3	30	70	100	4
PH 513.3P	Metabolism & clinical Biochemistry	8	3	30	70	100	4
PH 514.3P	Cell & Molecular Biology	8	3	30	70	100	4
PS 515.3	Cellular Biochemistry	3	3	30	70	100	3
PS 516.3	Clinical Biochemistry						
PO 517.3	Evolution and Ecology	3	3	30	70	100	3
	Total					**600**	**23**
IV Semester (2+1 Hard core and 2+1 Soft core papers)							
PH 511.4	Immunology	4	3	30	70	100	**4**
PH 512.4	Genetics	4	3	30	70	100	**4**
PH 513.4P	Project	10	3	30	70	100	**5**
PS 514.4	Genetic Engineering & Bioinformatics	3	3	30	70	100	**3**
PS 515.4	Clinical Toxicology	3	3	30	70	100	**3**
PS 516.4	Food Biochemistry						
PS 517.4P	Methods in Genetic Engineering & Bioinformatics	8	3	30	70	100	**3**
PS 518.4P	Experiments in food science						
						600	**22**
	Grand Total					**2500**	**92**