

RAMNARAIN RUIA AUTONOMOUS COLLEGE, MUMBAI-19

Dept of Bioanalytical Sciences

Minutes of the meeting of the Board of Studies in Bioanalytical Sciences

Date:7.04.2022

Time: 12:00 am to 2:00pm

Venue: e-Meeting via Zoom platform

Members Present:

Sr. No.	Name	Signature
1.	<u>Dr.Krishnapriya Mohanraj</u>	
2.	<u>Dr. Ajit Datar</u>	
3.	<u>Dr. Sujata Suvarnapatki</u>	
4.	<u>Dr. Sachin Palekar</u>	
5.	<u>Dr. Vinay Kumar Malik</u>	
6.	<u>Dr. Sanket Bapat</u>	
7.	<u>Ms. Sandhya Menon</u>	
8.	<u>Dr. Nandini Girish</u>	
9.	<u>Dr. Madhura Dhavale</u>	
10.	<u>Ms. Anushka Joshi</u>	
11.	<u>Ms. Sayali Kadge</u>	
12.	<u>Ms. Dhanashree Joshi</u>	
13.	<u>Ms. Gauri Risbud</u>	
14.	<u>Ms. MonaliThorat</u>	



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Minutes of Meeting

Agenda 1: To seek approval for the implementation of the Choice Based Credit System according to the UGC instructional template which includes the change in the total number of Credits for the Undergraduate program, Post Graduate Programs M.Sc. (wherever applicable) and also to classify the Courses as **Core Courses, Ability Enhancement Courses, Skill Enhancement courses** and to revise, if needed, the syllabi for FY/SY/TY BA/BSc/BVoc/BMM/BACM and for the academic year 2022-23.

Discussed that:

Following structure was proposed for the Choice based Credit system

F.Y.B.Sc. 2022-23

Semester	Courses	Title	Credits Theory	Credits Practical
1	Core I	Biological Sciences I	3	2
	Core II	Biological Sciences II	3	
	Core III	Chemical Sciences I	3	2
	Core IV	Chemical Sciences II	3	
	Core V	Mathematics	2	
	Skill Enhancement Course	Analytical Instrumentation	2	2
	Ability Enhancement	FC	2	
2	Core I	Biological Sciences I	3	2
	Core II	Biological Sciences II	3	
	Core III	Chemical Sciences I	3	2
	Core IV	Chemical Sciences II	3	
	Core V	Physics	2	
	Skill Enhancement Course	Technical Communication	2	2
	Ability Enhancement	Environmental Sciences	2	

S.Y.B.Sc. 2023-24

Semester	Courses	Title	Credits Theory	Credits Practical
3	Core I	Biological Sciences III	3	2
	Core II	Biological Sciences IV	3	
	Core III	Chemical Sciences III	3	2
	Core IV	Chemical Sciences IV	3	
	Core V	Statistics	2	
	Skill Enhancement Course	Computers	2	2
	Ability Enhancement Course	Ethics in science	2	
4	Core I	Biological Sciences III	3	2
	Core II	Biological Sciences IV	3	
	Core III	Chemical Sciences III	3	2
	Core IV	Chemical Sciences IV	3	
	Core V	Statistics	2	
	Skill Enhancement Course	Tools and techniques in Biology	2	2
	Ability Enhancement Course	Research Methodology	2	

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T.Y.B.Sc. 2024-25

Semester	Courses	Title	Credits Theory	Credits Practical
5	Core I	Biological Sciences V	3	2
	Core II	Chemical Sciences V	3	2
	Core III	Chemical Sciences VI	3	
	Skill Enhancement Course	Bioinformatics	3	2
	Skill Enhancement Course	Entrepreneurship Skills	4	2
6	Core I	Biological Sciences V	3	2
	Core II	Chemical Sciences V	3	2
	Core III	Chemical Sciences VI	3	
	Skill Enhancement Course	Biostatistics	3	2
	Skill Enhancement Course	Computational Biology	4	2

Integrated M.Sc. I (2022-23)

Semester	Courses	Title	Credits Theory	Credits Practical
7	Core I	Modern Pharmaceutical Industry	4	2
	Core II	Pharmacology, Toxicology & Bioassays	4	2
	Core III	Advances in Spectroscopy & Chromatography	4	2
	Skill Enhancement Course	Extraction methodologies in Biological Analysis	4	2
	Ability Enhancement Course	Resume Building & Soft Skills	2	
8	Core I	Practices in Pharmaceutical Industry	4	2
	Core II	Process of Drug Discovery & Development	4	2
	Core III	Medicinal Systems & Standardization of Herbal Drugs	4	2
	Skill Enhancement Course	Bioinformatics & Biostatistics	4	2
	Ability Enhancement Course	Research Methodology & Scientific Communication	2	

Integrated M.Sc. II (2023-24)

Semester	Courses	Title	Credits Theory	Credits Practical
9	Core I	Fundamentals of Clinical Research Industry	4	
	Core II	Modern Analytical Instrumentation	4	2
	Core III	Molecular Biology & Pharmaceutical Biotechnology	4	2
	-	Internship/Research Project	8	
10	Core I	Method validation in pharmaceutical analysis	4	2
	Core II	Omics	4	-
	Discipline Specific Elective I	Biopharmaceuticals & Biosimilars	4	2
	Discipline Specific Elective II	Xenobiotic Analysis	4	2
	-	Internship/Research Project	8	

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Regular M.Sc. I 2022-23

Semester	Courses	Title	Credits Theory	Credits Practical
7	Core I	Modern Pharmaceutical Industry	4	2
	Core II	Pharmacology, Toxicology & Bioassays	4	2
	Core III	Spectroscopy & Chromatography	4	2
	Skill Enhancement Course	Techniques in Biological Analysis	4	2
	Ability Enhancement Course	Resume building & Soft Skills	2	
8	Core I	Practices in Pharmaceutical Industry	4	2
	Core II	Process of Drug Discovery & Development	4	2
	Core III	Medicinal Systems & Standardization of Herbal Drugs	4	2
	Skill Enhancement Course	Bioinformatics & Biostatistics	4	2
	Ability Enhancement Course	Research Methodology & Scientific Communication	2	

Regular M.Sc. II 2023-24

Semester	Courses	Title	Credits Theory	Credits Practical
7	Core I	Fundamentals of Clinical Research Industry	4	
	Core II	Modern Analytical Instrumentation	4	2
	Core III	Molecular Biology & Pharmaceutical Biotechnology	4	2
	-	Internship/Research Project	8	
8	Core I	Method validation in pharmaceutical analysis	4	2
	Core II	Omics	4	-
	Discipline Specific Elective I	Biopharmaceuticals & Biosimilars	4	2
	Discipline Specific Elective II	Xenobiotic Analysis	4	2
	-	Internship/Research Project	8	

Resolved that

The proposed structure was approved with following suggestions:

1. F.Y.B.Sc. Sem I Analytical instrumentation paper to be renamed as Basic Instrumentation.
2. F.Y.B.Sc. Unit 104.2 to be renamed as Sampling and treatment of Analytical Data
3. S.Y.B.Sc. Skill enhancement course on Computers to be renamed as Basics of Computers
4. Can give more choices for discipline specific electives at Sem X, if logistically possible. Industrial applications of core papers can be given as discipline specific electives.
5. Sem VII Unit name to be changed to- Extraction Methodologies in Pharma Analysis and Bioanalysis.
6. Regular M.Sc. Unit 1 in Paper I should NOT have heading as Modern Pharmaceutical Industry as Integrated M.Sc. course also has the same title.

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Agenda II: To seek approval for the new certificate courses, SWAYAM, NPTEL Courses, if any.

Discussed that: No new courses are included.

Agenda III: To decide on the changes in the modalities of assessment, if any, which includes the question paper pattern, for internal and semester end examination. (Theory/Practical, wherever applicable). Evaluation of Research Projects/Internship

Discussed that: No new changes are introduced.

Resolved that: NA

Agenda IV: To seek approval for the examination pattern used for the internal assessments, semester end examinations and the Practical exams (wherever applicable) conducted for the even semester exams in the current academic year.(2021-22)


Resolved that: NA

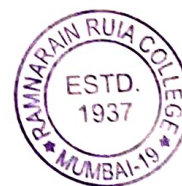
Discussed that: No new changes in exam pattern are introduced. The already approved pattern for OFFLINE exams will be used as applicable.

Resolved that: NA

Agenda V: Any other matter with the permission of the Chair.

Discussed that: NA


Head.
Department of Bioanalytical Science
Ramnarain Ruia Autonomous College
Matunga, Mumbai-400 019.



RAMNARAIN RUIA AUTONOMOUS COLLEGE, MUMBAI-19

Dept of Bioanalytical Sciences

Minutes of the meeting of the Board of Studies in Bioanalytical Sciences

Date:23.04.2022

Time: 2:00 pm to 3:00pm

Venue: e-Meeting via Zoom platform

Members Present:

Sr. No.	Name	Signature
1.	<u>Dr.Krishnapriya Mohanraj</u>	
2.	<u>Dr. Vinay Kumar Malik</u>	
3.	<u>Dr. Sanket Bapat</u>	
4.	<u>Mr. Shailendra Rane</u>	
5.	<u>Ms. Sandhya Menon</u>	
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Agenda 1: To seek suggestions, if any, for the changes in the content of the syllabi for post Graduate Program as per CBCS system with reference to Core Courses, Skill enhancement Courses, Discipline specific electives for FY/SY/TY/MA (if applicable).

Discussed that: Not applicable as no changes were done after previous meeting conducted at 7.04.2022

Resolved that: NA

Agenda 2: To seek approval for the M.Sc. Entrance examinations' pattern.

Discussed that: 100 Marks paper pattern was proposed instead of 120 marks for M.Sc. entrance exam

Resolved that: The modified pattern was approved.

Resolved that: NA


Agenda 3: To seek approval for the change in the Syllabi, the change in the number of credits and the modalities of assessment for the M.Sc. Program.

Discussed that: Not applicable as no changes were done after previous meeting conducted at 7.04.2022

Resolved that: NA

Agenda 4: Any other matter with permission of the chair.

Discussed that: Not applicable


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