

**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
CHHATRAPATI SAMBHAJINAGAR.**



**CIRCULAR NO.SU/ Sci./ Basket/NEP-2020/ College/96/2024**

It is hereby inform to all concerned that, recommended by the Dean, Faculty of Science & Technology, the Academic Council at its meeting held on 08 April 2024 has accepted **Basket-1 Optional – M1, M2, M3 and Basket – 2 Generic/Elective (For the Students of Other Faculty)** as per direction by the State Government dated on 13 March 2024 under the Faculty of Science & Technology **as per National Education Policy-2020** run at the Affiliated Colleges, Dr. Babasaheb Ambedkar Marathwada University as appended herewith.

This is effective from the Academic Year 2024-25 and onwards.

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,  
Chhatrapati Sambhajinagar  
-431 004.  
REF.NO. SU/SCI./2024/26506-14  
Date:- 20.05.2024.

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**Deputy Registrar,  
Academic Section.**

**Copy forwarded with compliments to :-**

- 1] **The Principal of all concerned Colleges,**  
Dr. Babasaheb Ambedkar Marathwada University,
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload this Circular on University Website.**

**Copy to :-**

- 1] The Director, Board of Examinations & Evaluation, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 2] The Section Officer, [B.Sc. Unit] Examination Branch, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 3] The Programmer [Computer Unit-1] Examinations, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 4] The Programmer [Computer Unit-2] Examinations, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 5] The In-charge, [E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 6] The Public Relation Officer, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 7] The Record Keeper, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.

**DR. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
CHATRAPATI SAMBHAJINAGAR**



**B.Sc. Degree Programme**

**(Three Year/Four Years(Hons)/Four Years (Hons with Research)**

**Basket -1 Optional- Major 1, Major 2 Major-3**

**As per NEP -2020**

**Under the Faculty of Science & Technology**

**From the Academic Year 2024-25 & Onwards/-**

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**Basket 1: List of Major subjects in Science (DSC) : Faculty of Science and Technology**

Students willing to pursue their bachelors in the **Faculty of Science and Technology** shall choose any three subjects (from the following options) as Major 1, Major 2 and Major 3 ( Based on the available options and resources in the respective college).

**Please note that during 1<sup>st</sup> and 2<sup>nd</sup> Semester students shall choose any three subjects (from given 07 groups by choosing not more than one subject from any group) as Major 1, Major 2 and Major 3 (Based on the available options and resources in the respective college).**

<b>Group No.</b>	<b>Subjects</b>
<b>Group-1</b>	Chemistry
<b>Group-2</b>	Biochemistry
	Physics
<b>Group-3</b>	Botany
	Mathematics
<b>Group-4</b>	Zoology
	Statistics
<b>Group-5</b>	Computer Science
	Biotechnology
<b>Group-6</b>	Microbiology
	Electronics
<b>Group-7</b>	Agrochemical & Fertilizer
	Analytical Chemistry
	Environmental Science
	Fishery Science
	Geology
	Horticulture
	Industrial Chemistry
	Polymer Chemistry
	Automobile Technology
	Bioinformatics
	Data Science
	Forensic Science
	Forensic Science & Cyber Securities
	Home Science
	Information Technology
	Networking And Multimedia
	Non-Conventional And Conventional Energy
	Refrigeration And Air Conditioning
	Workshop Technology
	Computer Application
Dairy Science & Technology	
Instrumentation Practice	

**DR. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
CHHATRAPATI SAMBHAJINAGAR**



**B.Sc. Degree Programme**

**(Three Year/Four Years(Hons)/Four Years (Hons with Research)**

**Basket -2.**

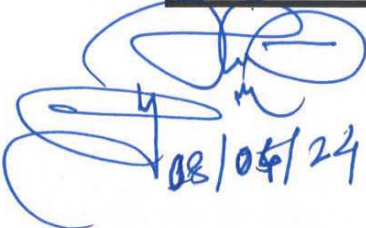
**Generic/Elective**

**(For the Students of other Faculty)**

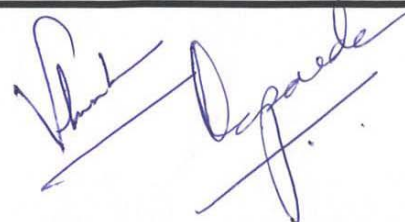
**As per NEP -2020**

**Under the Faculty of Science & Technology**

**From the Academic Year 2024-25 & Onwards/-**

  
08/04/24





The students from Faculty of Science and Technology will be selecting GE/OE from the Basket 2 of either of other three faculty ( i.e i) Faculty of Humanities, ii) Faculty of Commerce and Management iii) Faculty of Interdisciplinary Studies )

**Basket 2: List of GE/OE Courses: for the students from other Faculty**

Students from other three faculty i.e. i) Faculty of Humanities, ii) Faculty of Commerce and Management iii) Faculty of Interdisciplinary Studies may select any one GE/OE course from the following list in respective semester.

**Basket 2 ( for 1<sup>st</sup> Semester)**

Semester	Sr No	BOS / Ad hoc Board proposing the course	Title of the Course
1 <sup>st</sup> Semester	1	BOS in Botany	<b>Seed Preservation Techniques</b>
	2	BOS in Chemistry	<b>Herbal Chemistry –I</b>
			<b>Food Safety, Adulterations and Detection</b>
			<b>Plastic Waste Management</b>
	3	BOS in Mathematics	<b>Business Mathematics-I</b>
	4	BOS in Physics	<b>Everyday Physics</b>
			<b>Differential Equation</b>
			<b>Artificial Intelligence</b>
	5	BOS in Zoology	<b>Vector disease and Management</b>
	6	BOS in Electronics	<b>Electrical Equipment Maintenance-I</b>
	7	BOS in Fishery Science	<b>Endocrinology and Physiology of Fishes</b>
	8	BOS in Microbiology	<b>Microbial Biotechnology</b>
	9	Ad Hoc Board in Statistics	<b>Introduction to Statistics</b>
	10	Ad hoc Board in Industrial Chemistry	<b>General Safety Aspects</b>
11	Ad hoc Board in Dairy Science & Technology	<b>Goat Farming</b>	
12	Ad hoc Board in Biotechnology and Bioinformatics	<b>Introduction to Biotechnology</b>	
		<b>Overview of Bioinformatics</b>	
13	Ad hoc Board in Biochemistry	<b>Biochemistry of Health and Disease</b>	
14	Ad hoc Board in Home Science	<b>Principles Of Food Processing</b>	

	15	Ad Hoc Board in Agrochemical Fertilizers, Horticulture, Dry land Agriculture	<b>Introduction to Fertilizers</b>
			<b>Indoor Plants and Interior Scalping</b>
	16	Ad hoc Board in Forensic Science	<b>Criminalistics</b>
			<b>Introduction to Forensic Science</b>
	17	Ad Hoc Board in Computer Science	<b>Cyber Security</b>
			<b>Power Point Presentation and AI</b>
			<b>Fundamentals of Information Technology</b>
	18	Ad Hoc Board in Networking and Multimedia	<b>Introduction to Google Workspace-Part1</b>
	19	Ad Hoc Board in Environmental Science	<b>Ecology and Ecosystem Management</b>
20	Ad hoc Board in Automobile Technology / Workshop Technology / Refrigerator and Air Conditioning	<b>Introduction of Automobile</b>	
21	Ad hoc Board in Geology	<b>Basic Earth Interior &amp; Exterior</b>	

### Basket 2 ( for 2<sup>nd</sup> Semester)

Semester	Sr No	BOS / Ad hoc Board proposing the course	Title of the Course
2 <sup>nd</sup> Semester	1	BOS in Botany	<b>Pomology</b>
	2	BOS in Chemistry	<b>Herbal Chemistry -II</b>
			<b>Dairy Chemistry</b>
			<b>Basic concepts, applications, and Socioenvironmental impact of polymers</b>
	3	BOS in Mathematics	<b>Matrices</b>
	4	BOS in Physics	<b>Physics in Sports</b>
			<b>Differential Calculus</b>
			<b>Semiconductor Devices</b>
	5	BOS in Zoology	<b>Dairy Production Technology</b>
6	BOS in Electronics	<b>Electrical Equipment Maintenance-II</b>	
7	BOS in Fishery Science	<b>Aquatic pollution</b>	
8	BOS in Microbiology	<b>Food Fermentation</b>	
9	Ad Hoc Board in Statistics	<b>Demography and Vital Statistics</b>	

	10	Ad hoc Board in Industrial Chemistry	<b>Industrial Safety Aspects</b>
	11	Ad hoc Board in Dairy Science & Technology	<b>Poultry Farming</b>
	12	Ad hoc Board in Biotechnology and Bioinformatics	<b>Agricultural Biotechnology</b>
			<b>Introduction to Bioinformatics Software</b>
	13	Ad hoc Board in Biochemistry	<b>Nutrition Science</b>
	14	Ad hoc Board in Home Science	<b>Home Based Catering</b>
	15	Ad Hoc Board in Agrochemical Fertilizers, Horticulture, Dry land Agriculture	<b>Pest and Pesticides</b>
			<b>Landscaping and Garden Designing</b>
	16	Ad hoc Board in Forensic Science	<b>Forensic Handwriting Identification</b>
	17	Ad Hoc Board in Computer Science	<b>E-Commerce and E-Contracts</b>
			<b>Technical Writing using Word and AI</b>
			<b>Cyber Security</b>
			<b>E-Commerce</b>
	18	Ad Hoc Board in Networking and Multimedia	<b>Google workspace – part –II</b>
	19	Ad Hoc Board in Environmental Science	<b>Microbial Aspect of Environment</b>
	20	Ad hoc Board in Automobile Technology / Workshop Technology / Refrigerator and Air Conditioning	<b>Two wheeler servicing</b>
	21	Ad hoc Board in Geology	<b>Geological land form</b>