

INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Planning & Development Division

IG/P&DD/ODL/Launch/1890
24th November, 2023

Academic Programme Launch Notification No. 128
M.Sc. (Biochemistry) (MSCBCH)

With the approval of the Competent Authority, the programme M.Sc. (Biochemistry) (MSCBCH) will be offered through ODL mode from **January, 2024** session as per the following details:

Eligibility: Bachelor's degree in Science/ Pharmacy/ B.Tech - Biotech/Agriculture/ Veterinary /Nursing/ Medical Laboratory Technology/ Medical graduates with Physics, Chemistry and Biology subjects at 10+2 level

Medium of Instruction: English (medium in which SLM shall be provided)

Duration: Minimum 02 Years; Maximum 04 Years

Fee Structure: ₹ 36,200/- per annum

Programme Details: Total Credits: 80

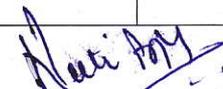
Examination Mode: Annual

Study Materials: Print and Digital (Both)

Expected Enrolment: 500 per cycle

Courses:

Course Codes	Title of the Course	Type of Course	Course Credits
Year:1 - Semester I			
MBC-001	Concepts of Biochemistry (Core)	Theory	4
MBC-002	Cell and Molecular Biology (Core)	Theory	4
MBC-003	Bioanalytical Techniques (Core)	Theory	4
MBCL-001	Biochemistry Lab I(Core)	Lab	4
Year:1 Semester II			
MBC-004	Enzymes and their applications (Core)	Theory	4
MBC-005	Concepts and connections in metabolism (Core)	Theory	4
MBC-006	Recombinant DNA Technology and its applications (Core)	Theory	4
MBCL-002	Biochemistry Lab II	Lab	4
Elective course (*any two in a year)			
MBCE-012*	Plant Biochemistry	Elective	4*
MBCE-013*	Human Physiology	Elective	4*
MBCE-014*	Microbiology	Elective	4*


निदेशक Director
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IGNOU, Maidan Garhi, New Delhi-68

Course Codes	Title of the Course	Type of Course	Course Credits
Year:2- Semester III			
MBC-007	Bioinformatics and Biostatistics (Core)	Theory	4
MBC-008	Genetics and Evolutionary Biology (Core)	Theory	4
MBC-009	Clinical Biochemistry (Core)	Theory	4
MBCL-003	Biochemistry Lab III (Core)	Theory	4
Year:2- Semester IV			
MBC-010	Research methodology(Core)	Theory	4
MBC-011	Animal and Plant tissue culture(Core)	Theory	4
MBCP-001	Project	Project	8
<i>Elective course (*any two in a year)</i>			
MBCE-015*	Immunology and immunological techniques	Elective	4*
MBCE-016*	Toxicology	Elective	4*
MBCE-017*	OMICS	Elective	4*

Details of Approval in the Academic Council:

- **The Programme Proposal Form (PPF):** 64th Meeting of the APC, held on 9th June, 2022 (Item no. 64.5.1).
- **The Programme Development Form (PDF) and the Programme Project Report (PPR):** 58th Meeting of the ACSC, held on 21st November, 2022 (Item no. 58.4.1).

Contact Details of Programme Coordinator:

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To
 Directors of Schools, Head of Divisions
 AR, VCO & PS to all PVCs

Neeti Agrewal
 24/11/2023

(Prof. Neeti Agrawal)
 Director, P&DD
 निदेशक / Director
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