Departmental Profile

Department of Mathematics

(FACULTY OF SCIENCE)

Pt. Sundarlal Sharma (Open) University Chhattisgarh, Bilaspur (C.G.)

DEPARTMENT OF MATHEMATICS

About the Department: Open University offers programmes in Open and Distance Learning mode. Department of Mathematics was established with the objective of imparting quality education in the field of Mathematics in Open and Distance Learning. With rapidly evolving technology and the continuous need for innovation, the department is established with the ambition to produce quality professionals, holding important positions in the field of Mathematics in Chhattisgarh and India.

Vision:
1. To make Mathematics Department an esteemed body of Pt. Sundarlal Sharma Open University Chhattisgarh in the field of Open and Distance Learning education throughout India.
2. To focus on development of online SLM for the students of open and distance learning with latest equipments and tools.

Mission:
1. To educate and create the prospective and diverse group of students of Chhattisgarh with knowledge, analytical ability, importance of Mathematics and skills needed to provide leadership to society.

2. To be prepared for a lifelong career with primary processing,acquiring the skills and experience to undertake appropriate research and study of Mathematics.

3. To make the students aware of changing environment and scope, in the field of Mathematics to operate in a competitive environment.

4. To seek continuous improvement in individual learning skills and personal development, to work with confidence, self-direction and originality, so as to make a meaningful contribution to society in the field of science.

5. Student from the department are encouraged to appear in nation level examination like CSRI-NET,/JRF GATE etc.

Courses: Courses offered by the university under Mathematics Department are

1. B. Sc. (Mathematics)
2. MA(Mathematics)
3. M.Sc (Mathematics)

Name of Programme	Programme Duration	Eligibility	SLM Offered in Language.
B.SC. (Mathematics)	Three Years	Passed 10+2	Hindi
M.A. (Mathematics) / M.Sc. (Mathematics)	Two Years	Graduation with Mathematics	English

Course Structure:

BACHELOR OF SCIENCE[MATHEMATICS]
[Mathematics, Physics, Chemistry] or [Mathematics, Physics, Computer Science]
DURATION OF THE COURSE: 3 YEARS
ELIGIBILITY: 10+2

Course syllabus

Fundamental course

CURRICULUM TITLE	PAPER	YEAR	CREDIT
Hindi language	First	First	04
English language	Second	First	04
Environment Education (No credit but compulsory passed in first year			
Hindi language	First	second	04
English language	Second	second	04
Hindi language	First	third	04
English language	Second	third	04

Elective subject

CHEMISTRY			
Curriculum title	**PAPER**	**YEAR**	**CREDIT**
Physical chemistry	First	First year	02
Inorganic chemistry	Second	First year	02
Organic chemistry	Third	First year	02
practical	Practical	First year	02
Physical chemistry	First	Second year	02
Inorganic chemistry	Second	Second year	02
Organic chemistry	Third	Second year	02
Practical	Practical	Second year	02
Physical chemistry	First	Third year	02
Inorganic chemistry	Second	Third year	02
Organic chemistry	Third	Third year	02
practical	Practical	Third year	02
PHYSICS			
Physics	First	First year	03
Physics	Second	First year	03
Practical	Practical	First year	02
Physics	First	Second year	03
Physics	Second	Second year	03

Practical	Practical	Second year	02
Physics	First	Third year	03
Physics	Second	Third year	03
Practical	Practical	Third year	02
MATHEMATICS			
Mathematics	First	First year	02
Mathematics	Second	First year	03
Mathematics	Third	First year	03
Mathematics	First	Second year	03
Mathematics	Second	Second year	02
Mathematics	Third	Second year	03
Mathematics	First	Third year	03
Mathematics	Second	Third year	03
Mathematics	Third	Third year	02
COMPUTER SCIENCE			
Fundamentals of Computer and Information Technology.	First	First year	03
Object oriented programming in C++	Second	First year	03
Computer Lab-I	Practical	First year	02
Operating System	First	Second year	03
Internet and Web Development	Second	Second year	03

Computer Lab-II	Practical	Second year	02
System Analysis and Design	First	Third year	03
GUI Programming in Visual Basic	Second	Third year	03
Computer Lab-III	Practical	Third year	02

MASTER OF SCIENCE[MATHEMATICS]
DURATION OF THE COURSE: 2 YEARS
ELIGIBILITY: SCIENCE GRADUATE (with mathematics as a subject)

Course syllabus
Fundamental course

CURRICULUM TITLE	PAPER	YEAR	CREDIT
Topology	First	First year	**08**
Real analysis	Second	First year	**08**
Partial differential Equation	Third	First year	**08**
Discrete Mathematics	Fourth	First year	**08**
Operational Research	First	Second year	**08**
Complex Analysis	Second	Second year	**08**
Mathematical Statistics	Third	Second year	**08**
Object Oriented Programming with C++	Fourth	Second year	**08**

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M.A. [MATHEMATICS]
DURATION OF THE COURSE: 2 YEARS

ELIGIBILITY: ARTS GRADUATE (with mathematics as a subject)

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Course syllabus

Fundamental course

CURRICULUM TITLE	PAPER	YEAR	CREDIT
Topology	First	First year	08
Real analysis	Second	First year	08
Partial differential Equation	Third	First year	08
Discrete Mathematics	Fourth	First year	08
Operational Research	First	Second year	08
Complex Analysis	Second	Second year	08
Mathematical Statistics	Third	Second year	08
Object Oriented Programming with C++	Fourth	Second year	08

Faculty of the Department:

Name	Designation	Qualification	Mail Id	Mob
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