

Mahakaushal University, Jabalpur (M.P.)



Scheme & Syllabus

For

B.Sc. with Research/honors

Geology

2022-23

Duration of Course: 4 Years

Examination Mode: Semester

Examination System: CBCS

**Mahakaushal University
Village-Aithakheda, Mukunwara Road, Post- Tilwara Jabalpur (M.P.) 482003**

Faculty of Science									
Major: Geology									
Sem	Major	Minor	DSE	Open Elective/ Generic Elective	AECC	SEC		FW	Total Credits
						Skill Based	Value Based		
1	MJ-I (4+2)	MN-I (4+2)		OEC-I (4)	AECC-I (4)				20
2	MJ-II (4+2)	MN-II (4+2)		OEC-II (4)	AECC-II (4)				20
3	MJ-III (4+2)	MN-III (4+2)		OEC-III (4)		SECSB-I (4)			20
4	MJ-IV (4+2)	MN-IV (4+2)		OEC-IV (4)		SECSB-II (4)			20
5	MJ-V (4+2)		DSE-I (4)				SECVB (4)	Field Work (6)	20
6	MJ-VI (4+2)		DSE-II (4) DSE-III (4)					Internship (6)	20
7	MJ-VII (4+2)	MN-V (4)	DSE-IV (4)					Minor Project (6)	20
8	MJ-VIII (4+2)	MN-VI (4)						Major Research Project (10)	20
Total Credits	48	32	16	16	8	8	4	28	160

Major/Minor

Course Code	Category	Paper	Credits
BGEO0101-T	MJ	Earth System Science	4
BGEO0102-T	MI	Earth System Science	4
BGEO0101-P	MJ	Earth System Science Lab	2
BGEO0102-P	MI	Earth System Science Lab	2
BGEO0201-T	MJ	Mineral Science	4
BGEO0202-T	MI	Mineral Science	4
BGEO0201-P	MJ	Mineral Science Lab	2
BGEO0202-P	MI	Mineral Science Lab	2
BGEO0301-T	MJ	Elements of Geochemistry	4
BGEO0302-T	MI	Elements of Geochemistry	4
BGEO0301-P	MJ	Elements of Geochemistry Lab	2
BGEO0302-P	MI	Elements of Geochemistry Lab	2
BGEO0401-T	MJ	Structural Geology	4
BGEO0402-T	MI	Structural Geology	4
BGEO0401-P	MJ	Structural Geology Lab	2
BGEO0402-P	MI	Structural Geology Lab	2
BGEO0501-T	MJ	Igneous Petrology	4
BGEO0501-P	MJ	Igneous Petrology Lab	2
BGEO0601-T	MJ	Sedimentary Petrology	4
BGEO0601-P	MJ	Sedimentary Petrology Lab	2
BGEO0701-T	MJ	Palaeontology	4
BGEO0701-P	MJ	Palaeontology Lab	2
BGEO0801-T	MJ	Metamorphic Petrology	4
BGEO0801-P	MJ	Metamorphic Petrology Lab	2

Department Specific Elective

BGEO0101D-T	DSE	Stratigraphic Principles and Indian Stratigraphy	4
BGEO0102D-T	DSE	Hydrogeology	4
BGEO0103D-T	DSE	Economic Geology	4
BGEO0104D-T	DSE	Geomorphology	4
BGEO0105D-T	DSE	Engineering Geology	4
BGEO0106D-T	DSE	Remote Sensing & GIS	4
BGEO0107D-T	DSE	Exploration Geology	4
BGEO0108D-T	DSE	Earth and Climate	4

Skill Enhancement Course (Skill Based) (Any Two)

Course Code	Category	Paper	Credits
BGEO101SB-T	SEC-SB	Economic Geology field	4
BGEO102SB-T	SEC-SB	Himalayan Geology field	4
BGEO103SB-T	SEC-SB	Precambrian Geology field	4
BGEO104SB-T	SEC-SB	Geological Mapping	4
BGEO105SB-T	SEC-SB	Stratigraphy and paleontology-related field	4

Open Elective Compulsory Course/ Generic Elective Compulsory Course

Course Code	Category	Paper	Credits
OECC0101-T	OEC	Fundamental of Computer	4
OECC0102-T	OEC	Environmental Studies	4
OECC0103-T	OEC	Entrepreneurship	4
OECC0104-T	OEC	Principle of Management	4
OECC0105-T	OEC	Nutrition and Fitness	4
OECC0106-T	OEC	Current Concerns in Public Health Nutrition	4
OECC0107-T	OEC	Travel and Tourism	4
OECC0108-T	OEC	Tourism Operation Software Skills	4

Course Code	Paper	Credits
ENVT0101-T	Environmental Education	0

Ability Enhancement Compulsory Course

Course Code	Category	Paper	Credits
AECC0101-T	AECC	English Language-I	4
AECC0102-T	AECC	English Language-II	4

Skill Enhancement Course (Value Based) (Any One)

Course Code	Category	Paper	Credits
SECVB0101-T	SEC-VB	Constitution of India	4
SECVB0102-T	SEC-VB	Yoga in Life	4
SECVB0103-T	SEC-VB	National Service Scheme (NSS)	4
SECVB0104-T	SEC-VB	Health & Wellness	4
SECVB0105-T	SEC-VB	Sports	4

Field Work

Course Code	Category	Paper/Description	Credits
BFWF0501-P	FW	Field work is the process of observing and collecting data about people, cultures, and natural environments.	6
BFWI0601-P	FW	The aim of the internship provides a direction to the activities, helps to focus on a result, and to assess the result achieved.	6
BFWP0701-P	FW	The objective of the minor project is to provide an opportunity for students to undertake short research training outside the classroom to solve real-world issues.	6
BFWR0801-P	FW	Project objectives describe the desired outcome of a project, which is often a tangible object. It's beneficial to create objectives for your project because creating a specific goal for you helps everyone know what they're supposed to be working toward.	10