

MGM University, Chhatrapati Sambhajinagar

Name of Faculty: Faculty of Science

Name of the College/Institute/Department/School: University Department of Basic and Applied Sciences

Name of the Programme: M.Sc Applied Geology

Programme Type (UG/PG): PG

First Year- Semester I												
Course Category	Course Code	Course Title	Nature of Course	No. of Credits	Teaching (Contact hrs/ week)		Evaluation Scheme (Marks)			Minimum Passing (Marks)		
					L	P	Internal	External	Total	Internal	External	Total
MM	MAG43MML501	Applied Sedimentology and Basin Analysis	L	3	3	-	60	40	100	-	16	40
MM	MAG43MML502	Remote Sensing & GIS for Geo-Resource Evaluation	L	3	3	-	60	40	100	-	16	40
MM	MAG43MML503	Petroleum Geochemistry and Geochronology	L	3	3	-	60	40	100	-	16	40
MM	MAG43MMP501	Applied Sedimentology and Basin Analysis Lab	P	2	-	4	30	20	50	-	08	20
MM	MAG43MMP502	Remote Sensing & GIS for Geo-resource evaluation Lab	P	2	-	4	30	20	50	-	08	20
MM	MAG43MMP503	Petroleum Geochemistry and Geochronology Lab	P	1	-	2	30	20	50	-	08	20
MI	MAG43MEL501	*Major Elective I	L	3	3		60	40	100	-	16	40
MI	MAG43MEP501	*Major Elective I	P	1	-	2	30	20	50	-	08	20
RM	MAG43RML501	Research Methodology	L	4	4	-	60	40	100	-	16	40
Total=28				22	16	12			700			

Note: * To be chosen from Elective Basket

Nature of Course: L- Lecture, P-Practical, S-Seminar, J-Project, I-Internship, D-Dissertation,

Course Category: MM-Major Mandatory, ME-Major Elective, MI-Minor, OJT-On Job Training / Internship / Apprenticeship, FP-Field project

RM-Research Methodology, RP-Research project

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Second Year- Semester II												
Course Category	Course Code	Course Title	Nature of Course	No. of Credits	Teaching (Contact hrs/ week)		Evaluation Scheme (Marks)			Minimum Passing (Marks)		
					L	P	Internal	External	Total	Internal	External	Total
MM	MAG43MML504	Rainwater Harvesting and Watershed Management	L	3	3	-	60	40	100	-	08	20
MM	MAG43MML505	Meteorology & Climate Change	L	3	3	-	60	40	100	-	08	20
MM	MAG43MML506	Soil Geoscience	L	3	3	-	60	40	100	-	08	20
MM	MAG43MML504	Rainwater Harvesting and Watershed Management Lab	P	2	-	4	30	20	50	-	08	20
MM	MAG43MML505	Meteorology & Climate Change Lab	P	2	-	4	30	20	50	-	08	20
MM	MAG43MML506	Soil Geoscience Lab	P	1	-	2	30	20	50	-	08	20
ME	MAG43MEL502	*Major Elective II	L	3	3		60	40	100	-	16	40
ME	MAG43MEP502	*Major Elective II	P	1		2	30	20	50	-	08	20
RP	MAG43JTI501	On Job Training	I	4		8	60	40	100	-	08	20
Total=32				22	12	20			750			

Note: * To be chosen from Elective Basket

Nature of Course: L- Lecture, P-Practical, S-Seminar, J-Project, I-Internship, D-Dissertation,

Course Category: MM-Major Mandatory, ME-Major Elective, MI-Minor, OJT-On Job Training / Internship / Apprenticeship, FP-Field project ,RM-Research Methodology, RP-Research project

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Fourth Year- Semester III												
Course Category	Course Code	Course Title	Nature of Course	No. of Credits	Teaching (Contact hrs/ week)		Evaluation Scheme (Marks)			Minimum Passing (Marks)		
					L	P	Internal	External	Total	Internal	External	Total
MM	MAG43MML601	Computer Applications and Geostatistics	L	3	3	-	60	40	100	-	16	40
MM	MAG43MML602	Topographical Surveying	L	3	3	-	60	40	100	-	16	40
MM	MAG43MML603	Quaternary Geology and Limnogeology	L	3	3	-	60	40	100	-	16	40
MM	MAG43MMP601	Computer Applications and Geostatistics Lab	P	2	-	4	30	20	50	-	08	20
MM	MAG43MMP602	Topographical Surveying Lab	P	2	-	4	30	20	50	-	08	20
MM	MAG43MMP603	Quaternary Geology and Limnogeology Lab	P	1	-	2	30	20	50	-	08	20
ME	MAG43MEL601	*Major Elective III	P	3	3	-	60	40	100	-	16	40
ME	MAG43MEP601	*Major Elective III	P	1	-	2	30	20	50	-	08	20
RP	MAG43RPJ601	Research Project I	J	4	-	8	60	40	100	-	16	40
Total=32				22	12	20			700			

Note: * To be chosen from Elective Basket

Nature of Course: L- Lecture, P-Practical, S-Seminar, J-Project, I-Internship, D-Dissertation,

Course Category: MM-Major Mandatory, ME-Major Elective, MI-Minor, OJT-On Job Training / Internship / Apprenticeship, FP-Field project
RM-Research Methodology, RP-Research project

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Second Year- Semester IV												
Course Category	Course Code	Course Title	Nature of Course	No. of Credits	Teaching (Contact hrs/ week)		Evaluation Scheme (Marks)			Minimum Passing (Marks)		
					L	P	Internal	External	Total	Internal	External	Total
MM	MAG43MML604	Petroleum Exploration Techniques	L	3	3	-	60	40	100	-	16	40
MM	MAG43MML605	Micropaleontology	L	3	3	-	60	40	100	-	16	40
MM	MAG43MML606	Geoinformatics in Hydrology & Water Resources	L	3	-	2	30	20	50	-	08	20
MM	MAG43MMP604	Petroleum Exploration Techniques Lab	P	1	-	2	30	20	50	-	08	20
MM	MAG43MMP605	Micropaleontology Lab	P	1	-	2	30	20	50	-	08	20
MM	MAG43MMP606	Geoinformatics in Hydrology & Water Resources Lab	P	1	3	-	60	40	100	-	16	40
ME	MAG43MEL604	*Major Elective IV	L	3	-	2	30	20	50	-	08	20
ME	MAG43MEP604	*Major Elective IV	P	1	-	12	60	40	100	-	16	40
RP	MAG43RPJ602	Research Project II	J	6								
Total= 29				22	09	20			600			

Note: * To be chosen from Elective Basket

Nature of Course: L- Lecture, P-Practical, S-Seminar, J-Project, I-Internship, D-Dissertation,

Course Category: MM-Major Mandatory, ME-Major Elective, MI-Minor, OJT-On Job Training / Internship / Apprenticeship, FP-Field project

RM-Research Methodology, RP-Research project

Award of M.Sc. Applied Geology degree with 88 credits.