

MGM University, Chhatrapati Sambhajinagar

Name of Faculty: Faculty of Basic and Applied Sciences

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

Name of the Programme: 3/4 Year B.Sc./B.Sc. (Hons) Forensic Science /B.Sc. (Hons) with Research in Forensic Science

Programme Type (UG/PG): UG

Duration: 3/4 Years (06/08 Semesters)

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	BFS43MML101	Introduction to forensic science	L	2	2	-	30	20	50		08	20
MM	BFS43MML102	Criminology and Law	L	2	2	-	30	20	50		08	20
MM	BFS43MMP101	Forensic Science Lab	P	2	-	4	30	20	50		08	20
OE	MGMXXOEXXXX	*Open Elective - I	L	2	2	-	30	20	50		08	20
OE	MGMXXOEXXXX	*Open Elective - II	L	2	2	-	30	20	50		08	20
VSC	BFS43VSL101	Forensic Photography	L	2	2	-	30	20	50		08	20
SEC	BFS43SEP101	Forensic Photography Lab	P	1	-	2	30	20	50		08	20
SEC	BFS43SEP102	General Laboratory Procedures	P	1	-	2	30	20	50		08	20
AEC	MGM54AELXXX	*Ability Enhancement Course I	L	2	2	-	30	20	50		08	20
VEC	MGMXXVELXXX	*Value Education Course I	L	2	2	-	30	20	50		08	20
IKS	BFS43IKL101	Forensic Science in India	L	2	2	-	30	20	50		08	20
CC	MGMXXCCPXXX	*Co – curricular Course I	P	2	-	4	30	20	50		08	20
Total=28				22	16	12			600			

Note: *To be chosen from MGM University 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, OE-Generic / Open electives, VSC-Vocational skill course, SEC-Skill Enhancement course, AEC-Ability Enhancement course, IKS-Indian Knowledge system, VEC-Value Education course, OJT-On Job Training / Internship / Apprenticeship, FP-Field project, CEP-Community engagement and service, CC-Co – curricular course, RM-Research methodology, RP-Research project

MGM University, Chhatrapati Sambhajanagar

First 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	BFS43MML103	Crime Scene Investigation	L	3	3	-	60	40	100		16	40
MM	BFS43MML104	Introduction to Forensic Physics and Microscopy	L	3	3	-	60	40	100		16	40
MIN		*Minor I	L	2	2	-	30	20	50		08	20
OE	MGMXXOEXXXX	*Open Elective – III	L	2	2	-	30	20	50		08	20
OE	MGMXXOEXXXX	*Open Elective - IV	L	2	2	-	30	20	50		08	20
VSC	BFS43VSP101	Crime Scene Investigation Lab	P	1	-	2	30	20	50		08	20
VSC	BFS43VSP102	Forensic Physics and Microscopy Lab	P	1	-	2	30	20	50		08	20
SEC	BFS43SEP103	Data Recovery	P	2	-	4	30	20	50		08	20
AEC	MGM54AELXXX	*Ability Enhancement Course II	L	2	2	-	30	20	50		08	20
VEC	MGMXXVELXXX	*Value Education Course II	L	2	2	-	30	20	50		08	20
CC	MGMXXCCPXXX	*Co – curricular Course I	P	2	-	4	30	20	50		08	20
Total=28				22	16	12			650			

Note: *To be chosen from MGM University 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, OE-Generic / Open electives, VSC-Vocational skill course, SEC-Skill Enhancement course, AEC-Ability Enhancement course, IKS-Indian Knowledge system, VEC-Value Education course, OJT-On Job Training / Internship / Apprenticeship, FP-Field project, CEP-Community engagement and service, CC-Co – curricular course, RM-Research methodology, RP-Research project

Level 4.5 Award of UG certificate in Forensic Science with 44 credits and an additional 4-credits core NSQF course / internship OR continue with Programme

MGM University, Chhatrapati Sambhajanagar

(Annexture I)

List of Options to select from Bucket of Courses provided in various categories:

Major
Forensic Science

Minor options Within Faculty of Basic Sciences	Web Technology	Animation
	Mathematics	Statistics
	Food Nutrition and Dietetics	Bioinformatics
	Chemistry	Material Science
	Geo-Informatics	

Minor from Faculty	options Other	Faculty of Engineering and Technology	Faculty of Social Sciences and Humanities	Faculty of Design	Faculty of Management and Commerce	Interdisciplinary Faculty	Performing Arts
		Geo-Informatics and Applications	Filmmaking	Product Design	Financial Management	Cosmetic Technology	Theatre Arts
		Data Science	Photography	Visual Communication	E-Commerce	Education	Dance
		IoT	Psychology	Contemporary Arts	International Business Management	Yoga Sciences	Music
		Energy management	Economics	Interior Design	Hospitality Mgmt	Physical Education	Folk Art
		EV Technology	English	Fashion Technology	Travel and Tourism	Home Science	
		Drone Technology					
		Robotics Technology					

MGM University, Chhatrapati Sambhajinagar

Second 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	BFS43MML201	Introduction to Forensic Biology and Serology	L	3	3	-	60	40	100		16	40
MM	BFS43MML202	Introduction to Forensic Chemistry and Toxicology	L	3	3	-	60	40	100		16	40
MM	BFS43MML203	Judicial system and Police administration	L	2	2	-	30	20	50		08	20
MIN		*Minor II	L	4	4	-	60	40	100		16	40
OE	MGMXXOEXXXX	*Open Elective - V	L	2	2	-	30	20	50		08	20
VSC	BFS43VSP201	Instrumentation in forensic biology	P	1	-	2	30	20	50		08	20
VSC	BFS43VSP202	Instrumentation in Forensic Chemistry	P	1	-	2	30	20	50		08	20
AEC	MGM54AELXXX	*Ability Enhancement Course III	L	2	2	-	30	20	50		08	20
FP	BFS43FPP201	Field Project	P	2	-	4	30	20	50		08	20
CC	MGMXXCCPXXX	*Co – curricular Course I	P	2	-	4	30	20	50		08	20
Total=28				22	16	12			650			

Note: *To be chosen from MGM University 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, OE-Generic / Open electives, VSC-Vocational skill course, SEC-Skill Enhancement course, AEC-Ability Enhancement course, IKS-Indian Knowledge system, VEC-Value Education course, OJT-On Job Training / Internship / Apprenticeship, FP-Field project, CEP-Community engagement and service, CC-Co – curricular course, RM-Research methodology, RP-Research project

MGM University, Chhatrapati Sambhajinagar

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	BFS43MML204	Introduction to Fingerprint examination	L	3	3	-	60	40	100		16	40
MM	BFS43MML205	Tool marks and other impression evidences	L	2	2	-	30	20	50		08	20
MM	BFS43MML206	Statistical analysis of forensic data	L	2	2	-	30	20	50		08	20
MM	BFS43MMP201	Introduction to Fingerprints examination Lab	P	1	-	2	30	20	50		08	20
MIN		*Minor III	L	4	4	-	60	40	100		16	40
OE	MGMXXOEXXXX	*Open Elective - VI	L	2	2	-	30	20	50		08	20
SEC	BFS43SEP201	Tools of Statistical analysis	P	1	-	2	30	20	50		08	20
SEC	BFS43SEP202	Tool marks and other impression evidences Lab	P	1	-	2	30	20	50		08	20
AEC	MGM54AELXXX	*Ability Enhancement Course IV	L	2	2	-	30	20	50		08	20
CEP	BFS43CEJ201	Community Engagement Project	J	2	-	4	30	20	50		08	20
CC	MGMXXCCPXXX	*Co – curricular Course I	P	2	-	4	30	20	50		08	20
Total = 29				22	15	14			650			

Note: *To be chosen from MGM University 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, OE-Generic / Open electives, VSC-Vocational skill course, SEC-Skill Enhancement course, AEC-Ability Enhancement course, IKS-Indian Knowledge system, VEC-Value Education course, OJT-On Job Training / Internship / Apprenticeship, FP-Field project, CEP-Community engagement and service, CC-Co – curricular course, RM-Research methodology, RP-Research project

Level 5.0 Award of UG Diploma in Forensic Science (with opted minor) (44+44)= 88credits and an additional 4-credits core NSQF course / internship OR continue with Programme

MGM University, Chhatrapati Sambhajanagar

Third Year - Semester V												
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	BFS43MML301	Fire, Arson, and explosive crime Investigation	L	3	3	-	60	40	100		16	40
MM	BFS43MML302	Introduction to handwriting and document examination	L	3	3	-	60	40	100		16	40
MM	BFS43MML303	Computer & Cyber Crime	L	3	3	-	60	40	100		16	40
MM	BFS43MMP301	Fire, Arson, and Explosives Investigation Lab	P	1	-	2	30	20	50		08	20
ME	BFS43MEL30X	\$Major Elective I	L	3	3	-	60	40	100		16	40
ME	BFS43MEP30X	\$Major Elective I Lab	P	1	-	2	30	20	50		08	20
MIN		*Minor IV	L	4	4	-	60	40	100		16	40
VSC	BFS43VSP301	Computer & Cyber Crime Lab	P	1	-	2	30	20	50		08	20
VSC	BFS43VSP302	Introduction to handwriting and document examination Lab	P	1	-	2	30	20	50		08	20
FP	BFS43FPJ301	Field Project II	J	2	-	4	30	20	50		08	20
Total = 28				22	16	12			750			

Note: *To be chosen from MGM University basket. \$ME to be chosen from Forensic Entomology /Narcotic Drugs and Psychotropic Substances

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, OE-Generic / Open electives, VSC-Vocational skill course, SEC-Skill Enhancement course, AEC-Ability Enhancement course, IKS-Indian Knowledge system, VEC-Value Education course, OJT-On Job Training / Internship / Apprenticeship, FP-Field project, CEP-Community engagement and service, CC-Co – curricular course, RM-Research methodology, RP-Research project

MGM University, Chhatrapati Sambhajinagar

Third Year - Semester VI												
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	BFS43MML304	Applications of Artificial Intelligence in Forensic Science	L	2	2	-	30	20	50		08	20
MM	BFS43MML305	Forensic Ballistics	L	3	3	-	60	40	100		16	40
MM	BFS43MML306	Lab quality management system and accreditation in forensic science	L	3	3	-	60	40	100		16	40
MM	BFS43MMP302	Applications of Artificial Intelligence in Forensic Science Lab	P	1	-	2	30	20	50		08	20
MM	BFS43MMP303	Forensic Ballistics Lab	P	1	-	2	30	20	50		08	20
ME	BFS43MEL30X	\$Major Elective II	L	3	3	-	60	40	100		16	40
ME	BFS43MEP30X	\$Major Elective II Lab	P	1	-	2	30	20	50		08	20
MIN		*Minor V	L	4	4	-	60	40	100		16	40
OJT	BFS43JTI301	Internship/Apprenticeship I	I	4	-	8	60	40	100		16	40
Total = 29				22	15	14			700			

Note:*To be chosen from MGM University basket. \$ME to be chosen from Mobile and Cloud Forensics / Forensic medicine and anthropology

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, OE-Generic / Open electives, VSC-Vocational skill course, SEC-Skill Enhancement course, AEC-Ability Enhancement course, IKS-Indian Knowledge system, VEC-Value Education course, OJT-On Job Training / Internship / Apprenticeship, FP-Field project, CEP-Community engagement and service, CC-Co – curricular course, RM-Research methodology, RP-Research project

Level 5.5 Award of B.Sc. Forensic Science (with opted minor) degree with (44+44+44) =132 credits OR continue with programme for getting Hons. Degree

**[Students who secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year.]

MGM University, Chhatrapati Sambhajinagar

Fourth Year - Semester VII												
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	BFS43MML401	Advanced Forensic Science	L	3	3	-	60	40	100		16	40
MM	BFS43MML402	Advanced Forensic Biology and Serology	L	3	3	-	60	40	100		16	40
MM	BFS43MML403	Advanced Forensic Physics	L	3	3	-	60	40	100		16	40
MM	BFS43MMP401	Advanced Forensic Science Lab	P	1	-	2	30	20	50		08	20
MM	BFS43MMP402	Advanced Forensic Biology Lab	P	2	-	4	30	20	50		08	20
MM	BFS43MMP403	Advanced Forensic Physics Lab	P	2	-	4	30	20	50		08	20
ME	BFS43MEL40X	\$Major Elective III	L	3	3	-	60	40	100		16	40
ME	BFS43MEP40X	\$Major Elective III Lab	P	1	-	2	30	20	50		08	20
RM	BFS43RML401	Research Methodology	L	4	4	-	60	40	100		16	40
Total = 28				22	16	12			700			

Note:*To be chosen from MGM University basket. \$ME to be chosen from Entrepreneurship in Forensic Science /Advanced Digital and Cyber Forensics I

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, OE-Generic / Open electives, VSC-Vocational skill course, SEC-Skill Enhancement course, AEC-Ability Enhancement course, IKS-Indian Knowledge system, VEC-Value Education course, OJT-On Job Training / Internship / Apprenticeship, FP-Field project, CEP-Community engagement and service, CC-Co – curricular course, RM-Research methodology, RP-Research project

MGM University, Chhatrapati Sambhajinagar

Fourth Year - Semester VIII

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	BFS43MML404	Fingerprint and Questioned Documents	L	3	3	-	60	40	100		16	40
MM	BFS43MML405	Advanced Forensic Chemistry and Toxicology	L	3	3	-	60	40	100		16	40
MM	BFS43MML406	Advanced Forensic Ballistics	L	3	3	-	60	40	100		16	40
MM	BFS43MMP404	Fingerprint and Questioned Documents Lab	P	2	-	4	30	20	50		08	20
MM	BFS43MMP405	Advanced Forensic chemistry and toxicology lab	P	2	-	4	30	20	50		08	20
MM	BFS43MMP406	Advanced Forensic Ballistics Lab	P	1	-	2	30	20	50		08	20
ME	BFS43MEL40X	\$Major Elective IV	L	3	3	-	60	40	100		16	40
ME	BFS43MEP40X	\$Major Elective IV Lab	P	1	-	2	30	20	50		08	20
OJT	BFS43JTI401	Internship/Apprenticeship II	I	4	-	8	60	40	100		16	40
Total = 32				22	12	20			700			

Note:*To be chosen from MGM University basket. \$ME to be chosen from Digital and Cyber Forensics II / Forensic Psychology

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, OE-Generic / Open electives, VSC-Vocational skill course, SEC-Skill Enhancement course, AEC-Ability Enhancement course, IKS-Indian Knowledge system, VEC-Value Education course, OJT-On Job Training / Internship / Apprenticeship, FP-Field project, CEP-Community engagement and service, CC-Co – curricular course, RM-Research methodology, RP-Research project

Level 6.0 Four-year B.Sc. (Hons) Forensic Science (with opted minor) degree (44+44+44+44) = 176 credits

Fourth Year - Semester VII

MGM University, Chhatrapati Sambhajinagar

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	BFS43MML411	Advanced Forensic Science	L	3	3	-	60	40	100		16	40
MM	BFS43MML412	Advanced Forensic Biology and Serology	L	3	3	-	60	40	100		16	40
MM	BFS43MMP411	Advanced Forensic Science Lab	P	2	-	4	30	20	50		08	20
MM	BFS43MMP412	Advanced Forensic Biology and Serology Lab	P	2	-	4	30	20	50		08	20
ME	BFS43MEL40X	\$Major Elective III	L	3	3	-	60	40	100		16	40
ME	BFS43MEP40X	\$Major Elective III Lab	P	1	-	2	30	20	50		08	20
RM	BFS43RML401	Research Methodology	L	4	4	-	60	40	100		16	40
RP	BFS43RPJ401	Research Project I	J	4	-	8	60	40	100		16	40
Total = 31				22	13	18			650			

Note:*To be chosen from MGM University basket. \$ME to be chosen from Entrepreneurship in Forensic Science / Digital and Cyber Forensics I

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, OE-Generic / Open electives, VSC-Vocational skill course, SEC-Skill Enhancement course, AEC-Ability Enhancement course, IKS-Indian Knowledge system, VEC-Value Education course, OJT-On Job Training / Internship / Apprenticeship, FP-Field project, CEP-Community engagement and service, CC-Co – curricular course, RM-Research methodology, RP-Research project

MGM University, Chhatrapati Sambhajinagar

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	BFS43MML413	Advanced Forensic Chemistry and Toxicology	L	3	3	-	60	40	100		16	40
MM	BFS43MML414	Advanced Forensic Physics and ballistics	L	3	3	-	60	40	100		16	40
MM	BFS43MMP413	Advanced Forensic Chemistry Lab	P	2	-	4	30	20	50		08	20
MM	BFS43MMP414	Advanced Forensic Physics and Ballistics Lab	P	2	-	4	30	20	50		08	20
ME	BFS43MEL40X	\$Major Elective IV	L	3	3	-	60	40	100		16	40
ME	BFS43MEP40X	\$Major Elective IV Lab	P	1	-	2	30	20	50		08	20
RP	BFS43RPJ402	Research Project II	J	8	-	16	60	40	100		16	40
Total = 35				22	9	26			550			

Note:*To be chosen from MGM University basket. \$ME to be chosen from Digital and Cyber Forensics II / Forensic Psychology

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, OE-Generic / Open electives, VSC-Vocational skill course, SEC-Skill Enhancement course, AEC-Ability Enhancement course, IKS-Indian Knowledge system, VEC-Value Education course, OJT-On Job Training / Internship / Apprenticeship, FP-Field project, CEP-Community engagement and service, CC-Co – curricular course, RM-Research methodology, RP-Research project

**Level 6.0 Four-year B.Sc. (Hons) with research in Forensic Science (with opted minor) degree
(44+44+44+44) = 176 credits**

MGM University, Chhatrapati Sambhajanagar

Annexture II

List of Major Electives

Sl.No	Semester	Course Code	Course Title	Nature of Course
1	V	BFS43MEL301	Forensic Entomology	L
		BFS43MEP301	Forensic Entomology Lab	P
2		BFS43MEL302	Narcotic Drugs and Psychotropic Substances	L
		BFS43MEP302	Narcotic Drugs and Psychotropic Substances Lab	P
3	VI	BFS43MEL303	Mobile and Cloud Forensics	L
		BFS43MEP303	Mobile and Cloud Forensics lab	P
4		BFS43MEL304	Forensic medicine and anthropology	L
		BFS43MEP304	Forensic medicine and anthropology Lab	P
5	VII	BFS43MEL401	Entrepreneurship in Forensic Science	L
		BFS43MEP401	Entrepreneurship in Forensic Science Project	P
6		BFS43MEL402	Digital and Cyber Forensics I	L
		BFS43MEP402	Digital and Cyber Forensics I Lab	P
7	VIII	BFS43MEL403	Digital and Cyber Forensics II	L
		BFS43MEP403	Digital and Cyber Forensics II Lab	P
8		BFS43MEL404	Forensic Psychology	L
		BFS43MEP404	Forensic Psychology Lab	P