Program Structure

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours	Tutorial (T) Hours	Practical (P) Hours	Total Credits
		per week	per week	per week	
FCH 4101	Criminology, Criminal Law,	2	1	-	3
	Police Administration	1			
FCH 4102	Crime Scene Investigation (CSI)	2	1	-	3
FCH 4103	Forensic Physics	2	1	-	3
FCH 4104	Cyber Forensic & Computer	2	1	-	3
	Applications				
FCH 4105	General Forensic Science	2	1	-	3
FCH 4106	Forensic Ballistics & Explosives	2	1	-	3
FCH 4107	Forensic Physics - Practical	-	-	4	2
FCH 4108	Crime Scene Investigation (CSI) -	-	-	4	2
	Practical				
	Forensic Ballistics & Explosives -	-	-	4	2
FCH 4109	Practical				
FCH 4110	Seminar	-	-	-	5
CSS4151	Basics of Communication	1	-	-	1
BEH4151	Self Development and	1	-	-	1
	Interpersonal skills				
	Foreign Language I	3	-	-	3
LAN4151	French- I				
LAN4152	German- I				
LAN4153	Spanish -I				
LAN4154	Russian -I		Jane Line Control		
LAN4155	Chinese -I				
LAN4156	Portuguese –I				
LAN4157	Korean-I	A CONTRACTOR OF THE PARTY OF	Arran was a said of	STATE OF THE STATE OF	
LAN4158	Japanese-I				
	TOTAL		3.7		34

March

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SECOND SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
FCH 4201	Forensic Photography	2	1	-	3
FCH 4202	Elements of Forensic Medicine, Odontology	2	1	-	3
FCH 4203	Instrumental Analysis (Chemical)	2	1		3
FCH 4204	Instrumental Analysis (Physical)	2	1	-	3
FCH 4205	Questioned Documents & Fingerprints	2	1	-	3
FCH 4206	Photography, Forensic Medicine & Odontology - Practical	-	-	4	2
FCH 4207	General Forensic Science -	-	-	4	2
FCH 4208	Questioned Documents & Fingerprints - Practical	-	-	4	2
FCH 4209	Instrumental Analysis (Biological)	2	1	-	3
BEH4251	Behavioral Communication and Relationship Management	1		-	1
CSS4251	Corporate Communication	1	-	_	1
LAN4251	Foreign Language II French- II	3	-	-	3
LAN4252	German- II				
LAN4253	Spanish -II				
LAN4254	Russian- II				
LAN4255	Chinese- II				
LAN4256	Portuguese –II				
LAN4257	Korean-II				
LAN4258	Japanese-II				
	TOTAL			The state of the s	29

MMER INTERNSHIP

e: Students must submit their summer internship report immediately on return from summer vacation in /August and the same would be evaluated for 9 credit units, which would be included in the Third ester marks.

THIRD SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
FCH 4301	Forensic Chemistry, Toxicology & Pharmacology	2	1	-	3
FCH 4302	Forensic Biology & Serology	2	1	-	3
FCH 4303	Forensic Practical			4	2
FCH 4304	Forensic Biology and Serology - Practical	-	-	4	2
FCH 4305	Forensic Chemistry & Toxicology - Practical		-	4	2
FCH 4314	Principles of Human Genetics	2	1	-	3
FCH 4315	Statistics & Research Methodology	2	1	-	3
	Elective I (any one)				
FCH 4306	Advanced Forensic Biology & Anthropology	2	1	-	3
FCH 4307	Advanced Forensic Serology & DNA Profiling				
FCH 4308	Advanced Forensic Chemistry				
FCH 4309	Advanced Forensic Pharmacology & Toxicology				
	Elective II (any one)				
FCH 4310	Advanced Questioned Documents Examination	2	1	-	3
FCH 4311	Advanced Fingerprinting and other Impressions	·			
FCH 4312	Advanced Forensic Ballistics				
FCH 4313	Advanced Forensic Explosives				
FCH4335	Summer Internship (Evaluation) + Project Formulation	-	-	-	9
CSS4351	Interpersonal Communication	1	-	-	1
BEH4351	Leading through Teams	1	-	-	1
4374251	Foreign Language III	2	-	-	2
LAN4351	French III				
LAN4352	German III				
LAN4353	Spanish III				
AN4354	Russian III	TURE			
AN4355	Chinese III				
AN4356	Portuguese III Korean-III				
	Jones Jones	Sac	Jack To		

LAN4357 LAN4358	Japanese-III		
	TOTAL		37

FOURTH SEMESTER

Course Code	Course Title	Lectures (L) Hours per week	Tutorial (T) Hours per week	Practical (P) Hours per week	Total Credits
FCH 4437	Research Work Based Project*	-	-	-	15
	Disaster Management and Victim Identification	3	1		4
	Speech Analysis and Multimedia Forensics	3	1		4
	Applied Cognitive Psychology	3	1		4
	Digital Image Processing	2	1		3
	TOTAL				30

Student will be sent to laboratories at universities, national institute and industries for their project based esearch work during 4th semester. At the end of 4th semester student will be evaluated on the basis of issertation followed by presentation of their research work.

M.Sc (Forensic Science) (Total Credits 130)

Programme Structure-2016

		lodifications for BOS 2016
FS 1st Semest	er	
Course code	Subject name	Modifications
hange		
FS 2nd seme	ster	
Change		
FS 3rd Semes	ter	
hange		
emester		
FCH 4437	Research work based project	Credits reduced from 30 to 15
FCH4401	Disaster Management and Victim identification	New Course with 4 credits introduced
FCH4402	Security Speech Analysis and Multimedia	New Course with 4 credits introduced
FCH4403	Applied Cognitive Psychology	New Course with 4 credits introduced
FCH4404	Digital Image Processing	New Course with 3 credits introduced
	Course code change FS 2nd semes change FS 3rd Semes change FCH 4437 FCH 4401 FCH 4402 FCH 4403	FS 1st Semester Course code Subject name Change FS 2nd semester Change FS 3rd Semester Thange FCH 4437 Research work based project FCH4401 Disaster Management and Victim identification FCH4402 Security Speech Analysis and Multimedia FCH4403 Applied Cognitive Psychology

Proposed

Existing M.Sc. Forensic Science (130 credits)

Siderola de			LAN4158	LAN4157	LAN4156	LAN4155	LAN4154	LAN4153	LAN4152	LAN4151		Fore	BEH	CSS	· a	1	<u> </u>	हा :	ijŢ.	ות	الت		-	T-	_					
THE PERSON NAMED IN		1		_	_	_	_					Foreign Language	BEH4151	CSS4151	value Auded		FCH 4110	FCH 4109	ECH 4108	FCH 4107	FCH 4106	FCH 4105	FCH 4104	FCH 4103	FCH 4102	FCH 4101	Concentr	Code	Course	M.Sc. Fo
		TOTAL	Japanese-1	Korean-I	Portuguese –I	Chinese -I	Russian -I	Spanish -I	German- I	French- I	Foreign Language I	lage	Self Development and Interpersonal skills	Basics of Communication		Comme	Seminar	Forensic Ballistics & Explosion (CSI) - Practical	Crima Const. I	Forensic Physics - Practical	Forensic Ballistics & Explosives	General Forensic Science	Cyber Forensic & Computer Applications	Forensic Physics		Criminology, Criminal Law, Police administration	Concentration Courses	Course little		M.Sc. Forensic Science (130 credits)
						d	3-0-0						1-0-0	₫-0-0			0-0-2	2-0-0		0-0-0	2-1-0	2-1-0	2-1-0	2-1-0	2-1-0	2-1-0		71-7		
	24.01	34.0				U	J						-	1		5	2	2	2	3 ((u l	3	3	3	3		Credits/Hrs	Total	
		1-	Te	TE	Te	Te	T _F =	TE		Т	Т-				_		т-		_		_									
		LAN4158	LAN4157	LAN4156	LAN4155	LAN4154	LAN4153	LAN4152	LAN4151		roreign Language	DELL'ALDI	REHAISI	CSS4151	Value Added	FCH 4110	FCH 4109	FCH 4108	FCH 4107	FCH 4106	ECT 4102	ECH 410s	FCH 4104	FCH 4103	FCH 4102	FCH 4101	Concentrat	Code	Course	M.S
		Japanese-I	Korean-I	Portuguese -I	Chinese -I	Russian -I	Spanish -I	German- I	French- I	Foreign Language I	guage	Sell Development and Interpersonal skills	Calco of Communication	Danian	_ F	Seminar	Forensic Ballistics & Explosives - Practical	Crime Scene Investigation (CSI) - Practical	Forensic Physics - Practical	Forensic Ballistics & Explosives	Celletal Poletiste Science	Ceneral Forence Science	Cyber Forensic & Computer Applications	Forensic Physics	Crime Scene Investigation (CSI)	Criminology, Criminal Law, Police administration	Concentration Courses	Course time	Course Title	M.Sc. Forensic Science (130 credits)
						<u></u>				4		1	-			•	0-0-2	0-0-2	0-0-2	2-1-0		2-1-0	2-1-0	2-1-0	2-1-0	2-1-0			1.T.p	
34 Cr					ω								_			^	2	2	2	3	0		w	3	3	3		Credits/Hrs	Total	

SECOND SEMESTER

Proposed

M.Sc. Forensic Science (130 credits)

		Japanese-II	LAN4258	29 C.		TOTAL	
		Portuguese –II Korean-II	LAN4256 LAN4257			Japanese-II	LAN4257 LAN4258
Ç.	c	Chinese- II	LAN4255			Chinese-II Portuguese -II	AN4255
,	,	Spanish -II	LAN4254	ω	3-0-0		AN4254
		German- II	LAN4252			German- II	
		French- II	LAN4251			Foreign Language II French- II	AN4251 I
		Foreign I anguage II					
	ŝ,	guage	Foreign Language			120	Foreign Language
-	-	Corporate Communication	CSS4251	-	1-0-0	Corporate Communication	CSS4251
	-	Behavioral Communication and Relationship Management	BEH4251	-	1-0-0	Behavioral Communication and Relationship Management	BEH4251
- A		_	Value Added				Value Added
2	2-1-0	Instrumental Analysis (Biological)	FCH 4209	2	2-1-0	Instrumental Analysis (Biological)	FCH 4209
2	0-0-2	Questioned Documents & Fingerprints - Practical	FCH 4208	2	0-0-2	Questioned Documents & Fingerprints - Practical	FCH 4208
2	2-0-0	General Forensic Science - Practical	FCH 4207	2	0-0-2	General Forensic Science - Practical	FCH 4207
ω	000	Odontology - Practical	FCH 4206	3	0-0-2	Photography, Forensic Medicine & Odontology - Practical	FCH 4206
3	200	Fingerprints	FCH 4205	3	2-1-0	Questioned Documents & Fingerprints	FCH 4205
	2-1-0	Instrumental Analysis (Physical)	FCH 4204	3	2-1-0	Instrumental Analysis (Physical)	FCH 4204
	2-1-0	Instrumental Analysis (Chemical)	FCH 4203	3	2-1-0	Instrumental Analysis (Chemical)	FCH 4203
	2-1-0	Odontology	FCH 4202	3	2-1-0	Elements of Forensic Medicine, Odontology	FCH 4202
,	2-1-0	Forensic Photography Elements of Forensic Medicine,	FCH 4201	S	2-1-0	Forensic Photography	FCH 4201
*	2-1-0	on Courses	Concentration Courses			on Courses	Concentration Courses
CredityHrs	414	Course Title	Course Code	Total Credits/Hrs	L-T-P	e Course Title	Course Code
						M.Sc. Forensic Science (150 credits)	M.Sc. For

THIRD SEMESTER

_	_							I
		Advanced Forensic Explosives	FCH 4313					
c.	2	Francical Forensic Ballistics	-			Advanced Forensic Explosives	FCH 4313	
,	2150	Advanced F	FCH 4312			Advanced Forensic Ballistics	FCH 4312	
		Advanced Fingerprinting and other Improved	FCH 4311		215	58	_	
		Advanced Questioned Documents Examination	0164 1101			Advanced Fingerprinting and other	FCH 4311	
		Liective II (any one)	ECH 4310		1	Advanced Questioned Documents Examination	FCH 4310	
		Floring II				Elective II (any one)		
		Advanced Forensic Pharmacology & Toxicology	FCH 4309			Advanced Forensic Pharmacology & Toxicology	FCH 4309	
ω	2-1-0	Advanced Forensic Chemistry	FCH 4308			Forensic Ch	FCH 4308	
		Advanced Forensic Serology & DNA Profiling	FCH 4307	<u> </u>	2-1-0	Profiling	FCH 4307	
		Advanced Forensic Biology & Anthropology	FCH 4306			88	FCH 4306	
7	, 10	iny one)	Elective I (any one)			y one)	Elective I (any one)	
33	2-1-0	Statistics & Research Methodology	FCH 4315	υ.	2-1-0	Statistics & Research Methodology	FCH 4315	
3	2-1-0	Principles of Human Genetics	FCH 4314	3	2-1-0	Principles of Human Genetics	FCH 4314	
2	0-0-2	Forensic Chemistry & Toxicology - Practical	FCH 4305	2	0-0-2	Forensic Chemistry & Toxicology - Practical	FCH 1305	
2	0-0-2	Forensic Biology and Serology -Practical	FCH 4304	2	0-0-2	Forensic Biology and Serology -Practical	FCH 4304	
2	0-0-2	Forensic Practical	FCH 4303	2	0-0-2	Forensic Practical	FCH 4303	
w	2-1-0	Forensic Biology & Serology	FCH 4302	သ	2-1-0	Forensic Biology & Serology	FCH 4302	
ω	5-1-0	Forensic Chemistry, Toxicology & Pharmacology	FCH 4301	s	2-1-0	Forensic Chemistry, Toxicology & Pharmacology	FCH 4301	
	210	Concentration Courses	Concentrat			ion Courses	Concentration Courses	
Hrs	2.7	Course Little	Code	edits/Hr s	L-T-P	Course Title	Course Code	
TotalCredits/	1 7 9		2	TotalCr		M.Sc. Forensic Science (150 credits)	M.Sc. Fore	
		Proposed M.Sc. Forensic Science (100 credits)					Existing	
			I HIRD SEMESTEN	IHIKU				

Summer Internship (Evaluation) + Project Summer Internship Sumer Inte	
Summer Internship (Evaluation) + Project Value Added CSS4351 Interpersonal Communication I BEH4351 Leading through Teams LAN4351 Foreign Language III LAN4352 French- III LAN4353 German- III LAN4354 Spanish -III LAN4355 Russian -III LAN4356 Chinese -III LAN4357 Portuguese -III LAN4358 Korean-III LAN4358 Korean-III	TOTAL
Summer Internship (Evaluation) + Project Value Added CSS4351 Interpersonal Communication I BEH4351 Leading through Teams LAN4351 Foreign Language III LAN4353 German-III LAN4354 Spanish-III LAN4355 Russian-III LAN4355 Russian-III LAN4356 Chinese-III LAN4357 Portuguese-III Korean-III LAN4358 Korean-III	Japanese-III
Summer Internship (Evaluation) + Project Value Added CSS4351 Interpersonal Communication I BEH4351 Leading through Teams LAN4351 Foreign Language III LAN4352 French- III LAN4353 German- III LAN4354 Spanish - III LAN4355 Russian - III LAN4356 Chinese - III LAN4357 Portuguese – III	LAN4358 Korean-III
Summer Internship (Evaluation) + Project Value Added CSS4351 Interpersonal Communication I BEH4351 Leading through Teams LAN4351 Foreign Language III LAN4352 French-III LAN4353 German-III LAN4355 Russian-III LAN4356 Chinese-III	LAN4357 Portuguese –III
Summer Internship (Evaluation) + Project Value Added CSS4351 Interpersonal Communication I BEH4351 Leading through Teams LAN4351 Foreign Language III LAN4352 French- III LAN4353 German-III LAN4354 Spanish -III LAN4355 Russian -III	Chinese -III
9 FCH4335 Summer Internship 1 CSS4351 Interpersonal Communi 1 BEH4351 Leading through Teams LAN4351 Foreign Language III LAN4353 German-III LAN4354 Spanish -III	Russian -III
9 FCH4335 Summer Internship 1 CSS4351 Interpersonal Communi 1 BEH4351 Leading through Teams LAN4351 Foreign Language III LAN4353 German-III	LAN4354 Spanish -III
9 FCH4335 Summer Internship 1 CSS4351 Interpersonal Communi 1 BEH4351 Leading through Teams LAN4351 Foreign Language III LAN4352 French- III	LAN4353 German- III
9 FCH4335 Summer Internship 1 CSS4351 Interpersonal Communic 1 BEH4351 Leading through Teams LAN4351 Foreign Language III	LAN4352 French- III
9 FCH4335 Summer Internship 1 CSS4351 Interpersonal Communic 1 BEH4351 Leading through Teams	LAN4351 Foreign Language III
9 FCH4335 Summer Internship Formulation 1 CSS4351 Interpersonal Communication 1 BEH4351 Leading through Teams	Foreign Language
9 FCH4335 Summer Internship Formulation 1 CSS4351 Interpersonal Communication	BEH4351 Leading through Teams 1
9 FCH4335 Summer Internship Formulation	CSS4351 Interpersonal Communication 1
9 FCH4335 Summer Internship Formulation	Value Added
	FCH4335 Summer Internship (Evaluation) + 9

FOURTH SEMESTER

Proposed

M Sc. Forensic Science (130 credits)

30 Cr				30 Cr			
15	0-0-15	Research Work Based Project*	FCH4437				
ω	2-1-0	Digital Image Processing	FCH4404				
4	3-1-0	Applied Cognitive Psychology	FCH4403				
4	3-1-0	Speech Analysis and Multimedia Forensics	FCH4402				
	0-1-0	Identification	FCH4401	30	0-0-30	Research Work Based Project*	FCH4437
Δ.	310	Concentration Courses	Concentrat			on Courses	Concentration Courses
	19 19 19 19 19 19 19 19 19 19 19 19 19 1			S	1-7		Code
Hrs	4-T-P	Course Title	Course	TotalCr edits/Hr	- L		Course
TotalCredits/		MI'9C' LOLGHBIC SCIENCE (2)				M.Sc. Forensic Science (130 credits)	Existing M.Sc. Forei

MODIFICATIONS

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	3	2-1-0	0-0-0	Tacw Subject added	Digital Image Processing	1 0114404
	4			New Cubicat adda.		ECHANA
	4	3-1-0	0-0-0	New Subject added	Applied Cognitive Psychology	FCH4403
				New Subject added		
	4	3-1-0	0-0-0	New Subject added	Speech Analysis and Multimedia Forensics	FCH4402
	4	3-1-0	0-0-0	New Subject added	Disaster Management and Victim Identification	FCH4401
0	15	0-0-15	0-0-30	Credit changed from 30 to 15	Research Work Based Project*	FCH4437
Credit Overall credits change	Credit changed	Revised credits	Existing credits	Modifications	Subject name	Course code