

FYUGP BIOCHEMISTRY AND INDUSTRIAL MICROBIOLOGY

Semester	Course		Course Code
SEM 1	DSC	Basic elements of biochemistry	UK1DSCBCH100
	DSC	Introduction to microbial world	UK1DSCMBY101
	DSC	General chemistry I	UK1DSCCHE105
	MDC	Nutritional biochemistry for health and fitness	UK1MDCBCH101
SEM 2	DSC	Introduction to biomolecules	UK2DSCBCH100
	DSC	Basic techniques in microbiology	UK2DSCMBY101
	DSC	Biomolecules and biophysical chemistry - I	UK2DSCCHE105
	MDC	Entrepreneurial microbiology	UK2MDCMBY102
SEM 3	DSC	Properties of biomolecules and enzymology	UK3DSCBCH206
	DSC	Food and dairy microbiology	UK3DSCMBY201
	DSC	General chemistry III	UK3DSCCHE206
	DSE	Nutrition for human health	UK3DSEBCH200
	VAC	Microbial waste management	UK3VACMBY201
SEM 4	DSC	Techniques in biochemistry	UK4DSCBCH204
	DSC	Microbial genetics	UK4DSCMBY201
	DSE	Microbial physiology & systematics	UK4DSEMBY202
	VAC	Play of hormones	UK4VACBCH200
	VAC	Ecology & environmental studies	UK4VACBCH202
	SEC	Food quality control	UK4SECMBY202
SEM 5	DSC	Molecular biology	UK5DSCBCH303
	DSC	Environmental biochemistry	UK5DSCBCH304
	DSC	Industrial microbiology	UK5DSCMBY301
	DSE	Intermediary metabolism & bioenergetics	UK5DSEBCH302
	DSE	Cell biology	UK5DSEMBY301
	SEC	Quality assurance & quality control	UK5SECBCH301
SEM 6	DSC	Clinical biochemistry	UK6DSCBCH303
	DSC	Medical microbiology	UK6DSCMBY301
	DSC	Environmental & agricultural microbiology	UK6DSCMBY305
	DSE	Physiology, Nutrition & endocrinology	UK6DSEBCH302
	DSE	Immunology	UK6DSEMBY301
	SEC	Scientific writing & presentation	UK6SECMBY301
SEM 7	DSC	Research methodology	UK7DSCBCH402
	DSC	Biophysics & instrumentation	UK7DSCMBY403
	DSE	Tissue engineering & 3D printing	UK7DSEBCH400
SEM 8		Capstone internship project in biochemistry OR Capstone internship project in Microbiology	

		AND	
		Project by research in microbiology	UK8RPHMBY400
		OR	
		Project by research in biochemistry	UK8RPHBCH400

COMPLEMENTARY COURSE CHEMISTRY

Semester	Course		Course Code
SEM 1	DSC	General chemistry I	UK1DSCCHE105
	MDC	Fundamental aspects of environmental chemistry	UK1MDCCHE100
SEM 2	DSC	Biomolecules and biophysical chemistry- I	UK2DSCCHE105
	MDC	Food chemistry	UK2MDCCHE101
SEM 3	DSC	General chemistry III	UK3DSCCHE206
	VAC	Laboratory safety	UK3VACCHE200
SEM 4	DSC	Analytical principles - I	UK4DSCCHE201
	VAC	Sustainable chemistry	UK4VACCHE200
	SEC	Water quality analysis	UK4SECCHE200
SEM 5	DSC	Inorganic chemistry III B	UK5DSCCHE305
	SEC	Preparation & formulation of herbal products	UK5SECCHE301
SEM 6	DSC	Physical chemistry - IV	UK6DSCCHE304
	SEC	Chromatography	UK6SECCHE300

COMPLEMENTARY COURSE BIOCHEMISTRY

Semester	Course		Course Code
SEM 1	DSC	Physical aspects of biochemistry	UK1DSCBCH104
	MDC	Nutritional biochemistry for health and fitness	UK1MDCBCH101
SEM 2	DSC	Molecules of life	UK2DSCBCH105
	MDC	Biochemistry of lifestyle diseases	UK2MDCBCH100
SEM 3	DSC	Phytochemistry	UK3DSCBCH205
	VAC	Basic dietetics	UK3VACBCH200
SEM 4	VAC	Play of hormones	UK4VACBCH200
	VAC	Ecology & environmental studies	UK4VACBCH202
	SEC	Enzyme isolation and analysis	UK4SECBCH200
SEM 5	SEC	Basic techniques in biochemistry	UK5SECBCH300

	SEC	Quality assurance & quality control	UK5SECBCH301
SEM 6	SEC	Cell culture techniques	UK6SECBCH301

AEC -OL-Malayalam

Semester	Category	Course Name	Course Code
1	AEC	ഭാഷാകേളിപഠനം	UK1AECMAL100
	AEC	കഥാലോകം	UK1AECMAL107
2	AEC	പ്രചോദനാത്മക സാഹിത്യം	UK2AECMAL100
	AEC	കേരളീയ ഗാനപാരമ്പര്യം	UK2AECMAL103

AEC -OL-Hindi

Semester	Category	Course Name	Course Code
1	AEC	HINDI EKANKI(For BA Students)	UK1AECHIN100
	AEC	HINDI KHANI(For BSc Students)	UK1AECMAL102
	AEC	HINDI KAVITHA (For Bcom Students)	UK1AECMAL103
	AEC	HINDI DRAMA (For All UG Students)	UK1AECMAL104
2	AEC	HINDI SANRACHANA AUR WEB LEKHAN(For BA Students)	UK2AECHIN100
	AEC	JEEVANI AATHMAKATHA AUR SOCIAL MEDIA(For BSc Students)	UK2AECMAL102
	AEC	VYAVAHARIK HINDI (For Bcom Students)	UK2AECMAL103
	AEC	HINDI CINEMA (For All UG Students)	UK2AECMAL104

FYUGP Course Basket (AEC -ENGLISH)

Semester	Category	Course Name	Course Code
1	AEC 1	Listening and Speaking in English	UK1AECENG113
	AEC 2	Food, Literature and Culture 1	UK1AECENG102
	AEC 3	Science Through the Prism of English I	UK1AECENG103
	AEC 4	Business Communication I	UK1AECENG104
	AEC 5	Reading Literature I	UK1AECENG110
	AEC 6	Voices of Humanity 1	UK1AECENG100
	AEC 7	Reflections on Language, Literature, and Society 1	UK1AECENG105
	AEC 8	English for Social Sciences	UK1AECENG106
	AEC 9	Technology, Science, and Imagination I	UK1AECENG111
2	AEC 1	Reading and Writing in English	UK2AECENG113
	AEC 2	Food, Literature and Culture 2	UK2AECENG102
	AEC 3	Science Through the Prism of English 2	UK2AECENG103
	AEC 4	Business Communication II	UK2AECENG104
	AEC 5	Reading Literature II	UK2AECENG110
	AEC 6	Voices of Humanity 2	UK2AECENG100
	AEC 7	Reflections on Language, Literature, and Society 2	UK2AECENG105
	AEC 8	English for Social Sciences II	UK2AECENG106
	AEC 9	Technology, Science, and Imagination II	UK2AECENG111