Program Structure_2023-27

Division of Economics, School of Liberal Education

B. Sc.(H) Economics_4 Years

1 YEAR - Certificate

SEMESTER-1

Sl No	Course Name	Course Code	Course Category (Integrated/Blended/Comprehensive)	Course Type	Course Level	L	T	P	S	C	H
1	Micro Economics-I	ERP	Theory	Major	100	4	0	0	0	4	4
2	Macro Economics-I	ERP	Theory	Major	100	4	0	0	0	4	4
3	AI and its Applications	ERP	Theory	Minor	100	4	0	0	0	4	4
4	Fundamentals of Computing	ERP	Comprehensive	IDC	100	2	0	2	0	3	6
5	Communicative English-I	ERP	Integrated	AEC	100	1	0	1	0	2	4
6	First Aid and Health	ERP	Theory	SEC	100	3	0	0	0	3	3
7	Understanding India	ERP	Theory	VAC	100	2	0	0	0	2	2
										22	

SEMESTER-2

Sl No	Course Name	Course Code	Course Category (Integrated/Blended/Comprehensive)	Course Type	Course Level	L	T	P	S	C	H
1	Micro Economics-II	ERP	Theory	Major	100	4	0	0	0	4	4
2	Macro Economics-II	ERP	Theory	Major	100	4	0	0	0	4	4
3	Physical Chemistry	ERP	Theory	Minor	100	4	0	0	0	4	4
4	Mathematical Physics	ERP	Comprehensive	IDC	100	1	0	1	1	3	6
5	Communicative English-II	ERP	Integrated	AEC	100	1	0	1	0	2	4
6	Statistical Software Package	ERP	Theory	SEC	100	3	0	0	0	3	3
7	Environmental Studies	ERP	Theory	VAC	100	2	0	0	0	2	2
										22	

Students exiting the programme after securing 40 credits will be awarded UG Certificate in the relevant Discipline /Subject provided they se

2 YEAR- Diploma

SEMESTER-3

Sl No	Course Name	Course Code	Course Category (Integrated/Blended/Comprehensive)	Course Type	Course Level	L	T	P	S	C	H
1	Statistics for Economics	ERP	Theory	Major	200	2	0	2	0	4	8
2	Partial Differential Equations	ERP	Theory	Major	200	2	0	2	0	4	8
3	Data Structures & Algorithms	ERP	Theory	Minor	200	2	0	2	0	4	8
4	Python Programming	ERP	Integrated	IDC	200	2	0	1	0	3	4
5	Hindi-I/Foreign Language-I	ERP	Integrated	AEC	200	1	0	1	0	2	3
6	Advance Excel with VBA	ERP	Comprehensive	SEC	200	1	0	1	1	3	6
7	Cyber Security	ERP	Theory	VAC	200	2	0	0	0	2	2
										22	

SEMESTER-4

Sl No	Course Name	Course Code	Course Category (Integrated/Blended/Comprehensive)	Course Type	Course Level	L	T	P	S	C	H
1	Probability and Statistics	ERP	Theory	Major	200	4	0	0	0	4	4
2	Operation Research –I	ERP	Integrated	Major	200	3	0	1	0	4	5
3	Economics of Growth and Development	ERP	Theory	Major	200	4	0	0	4	4	4
4	Research Methodology	ERP	Integrated	Major	200	3	0	1	0	4	5
5	Data Base Management system	ERP	Integrated	Minor	200	3	0	1	0	4	5
6	Hindi-II/Foreign Language-II	ERP	Integrated	AEC	200	1	0	1	0	2	3
										22	

Students exiting the programme after securing 80 credits will be awarded UG Diploma in the relevant Discipline /Subject provided they secu

			3 YEAR- Degree								
			SEMESTER-5								
Sl No	**Course Name**	**Course Code**	**Course Category (Integrated/Blended/ Comprehensive)**	**Course Type**	**Course Level**	**L**	**T**	**P**	**S**	**C**	**H**
1	Econometric Analysis -I	ERP	Theory	Major	300	3	0	0	0	3	3
2	Econometric Analysis -I Lab	ERP	Theory	Major	300	0	0	2	0	1	2
3	Financial Institutions and Markets	ERP	Theory	Major	300	4	0	0	0	4	4
4	Operation Research –II	ERP	Theory	Major	300	4	0	0	0	4	4
5	Data Sciences (R Prog)	ERP	Integrated	Minor	300	3	0	1	0	4	5
6	Internship	ERP	Practical	Major	300	0	2	0	0	4	2
										20	
			SEMESTER-6								
Sl No	**Course Name**	**Course Code**	**Course Category (Integrated/Blended/ Comprehensive)**	**Course Type**	**Course Level**	**L**	**T**	**P**	**S**	**C**	**H**
1	Econometric Analysis -II	ERP	Integrated	Major	300	3	0	0	0	3	3
2	Econometric Analysis -II Lab	ERP	Integrated	Major	300	0	0	1	0	1	2
3	Major Elective I	ERP	Theory	Major	300	4	0	0	0	4	4
4	Major Elective II	ERP	Theory	Major	300	4	0	0	0	4	4
4	Project in Economics	ERP	Practical	Major	300	0	2	0	0	4	2
5	Computing Techonology	ERP	Integrated	Minor	300	3	0	1	0	4	5
	Total									20	

NOTE: Exit Option_(A)= 120 Credits - UG (SPECIALISATION) Exit Option_(B) = 140 Credits i.e. (120+20) Credits eith UG (HONS.)

			SEMESTER-7								
Sl No	**Course Name**	**Course Code**	**Course Category (Integrated/Blended/**	**Course Type**	**Course Level**	**L**	**T**	**P**	**S**	**C**	**H**
1	Public Finance	ERP	Integrated	Major	400	4	0	0	0	4	4
3	Major Elective III	ERP	Theory	Major	400	4	0	0	0	4	4
4	Major Elective IV	ERP	Theory	Major	400	4	0	0	0	4	4
5	Statistical Analysis using R	ERP	Integrated	Minor	400	3	0	1	0	4	5
6	Dissertation Phase I	ERP	Practical	Major	400	4	0	0	0	4	4
										20	

			SEMESTER-8								
Sl No	**Course Name**	**Course Code**	**Course Category (Integrated/Blended/**	**Course Type**	**Course Level**	**L**	**T**	**P**	**S**	**C**	**H**
1	Regression and Time Series Model	ERP	Theory	Major	400	4	0	0	0	4	4
2	Modeling and Simulation	ERP	Integrated	Minor	400	3	0	1	0	4	5
3	Seminar/Workshop	ERP	Practical	Major	400	0	0	2	0	2	2
4	UG Dissertation	ERP	Practical	Major	400	0	2	0	0	10	2
										20	

 If Students are not undertaking research then they will be doing 3 theory courses in lieu of Dessertation/Project

Year	Semester	Credits
I Year	Sem I	22
	Sem II	22
II Year	Sem III	22
	Sem IV	22
III Year	Sem V	20
	Sem VI	20
IV Year	Sem VII	20
	Sem VIII	20
Total		168

	Major Elective Basket -I										
Sl No	**Course Name**	**Course Code**	**Course Category (Integrated/Blended/ Comprehensive)**	**Course Type**	**Course Level**	**L**	**T**	**P**	**S**	**C**	**H**
1	Applications of Python Programming in Economics I	ERP	Theory	Major Elective	300	2	0	1	1	4	7
2	Agriculture Economics I	ERP	Theory	Major Elective	300	4	0	0	0	4	4
3	Health Economics I	ERP	Theory	Major Elective	400	4	0	0	0	4	4
4	Geostatistical Analysis I	ERP	Theory	Major Elective	400	2	0	1	1	4	7

	Major Elective Basket -II										
Sl No	**Course Name**	**Course Code**	**Course Category (Integrated/Blended/**	**Course Type**	**Course Level**	**L**	**T**	**P**	**S**	**C**	**H**
1	Financial Management	ERP	Theory	Major Elective	300	4	0	0	0	4	4
2	Labour Economics	ERP	Theory	Major Elective	300	4	0	0	0	4	4
3	Sustainable Development and Impact As	ERP	Theory	Major Elective	400	4	0	0	0	4	4
4	International Economics I	ERP	Theory	Major Elective	400	4	0	0	0	4	4

	Major Elective Basket -III										
Sl No	**Course Name**	**Course Code**	**Course Category (Integrated/Blended/ Comprehensive)**	**Course Type**	**Course Level**	**L**	**T**	**P**	**S**	**C**	**H**
1	Applications of Python Programming in Economics II	ERP	Theory	Major Elective	300	2	0	1	1	4	7
2	Agriculture Economics II	ERP	Theory	Major Elective	300	4	0	0	0	4	4
3	Health Economics II	ERP	Theory	Major Elective	400	4	0	0	0	4	4
4	Geostatistical Analysis II (Project)	ERP	Project	Major Elective	400	2	0	1	1	4	7

	Major Elective Basket -IV										
Sl No	**Course Name**	**Course Code**	**Course Category (Integrated/Blended/**	**Course Type**	**Course Level**	**L**	**T**	**P**	**S**	**C**	**H**
1	International Finance and Monetary Mar	ERP	Theory	Major Elective	300	4	0	0	0	4	4
2	Urbanisation and Migration	ERP	Theory	Major Elective	300	4	0	0	0	4	4
3	Sustainable Development and Impact As	ERP	Theory	Major Elective	400	4	0	0	0	4	4
4	International Economics II	ERP	Theory	Major Elective	400	4	0	0	0	4	4