



ST. ALOYSIUS' COLLEGE

AUTONOMOUS
JABALPUR- 482001
MADHYA PRADESH, INDIA

CRITERION-1

CURRICULAR ASPECTS

Key Indicator – 1.3
Curriculum Enrichment




Metric No.: 1.3.3

Percentage of programmes that have components of
Field projects / Research projects / Internships during
the last five years.

Document Name

Course Structure of Programmes having element of
Field projects / Research projects / Internships
2021-22

The background of the page features a large, faint watermark of the Government of Madhya Pradesh emblem. The emblem consists of a shield divided into four quadrants by a red cross. The top-left quadrant shows a golden crown, the top-right shows a golden eagle, the bottom-left shows a golden bowl, and the bottom-right shows a golden lotus. Below the shield is a golden banner with a red border.

**NEP COURSE STRUCTURE
AS PER
M.P. HIGHER EDUCATION
ORDINANCE 14A & 14B**

13.11 Table-2: Proposed Structure for Undergraduate Programme: UGC CBCS System for Universities /Autonomous Colleges

Level	Semester	Main Faculty (as per prerequisite)		Any Faculty	Skill Enhancement Course (SEC)	Ability Enhancement Course (AEC)	Field projects/ internship/ apprenticeship/ community engagement and service	Credits	Qualification title (Credit requirement)	
		Subject I	Subject II	Subject III	Vocational Course	# Inter/Intra Faculty				
		Major		Minor			Generic Elective Course			
		Core	DSE							
Level 5	1	1 (6 Credits)		1 (6 Credits)	1 (4 Credits)		1 (4 Credits)	6+6+4+4 =20	(40) Undergraduate Certificate in Main Faculty	
	2	1 (6 Credits)		1 (6 Credits)	1 (4 Credits)		1 (4 Credits)	6+6+4+4 =20		
Level 6	3	1 (6 Credits)		1 (6 Credits)	1 (4 Credits)	1 (4 Credits)		6+6+4+4 =20	(80) Undergraduate Diploma in Main Faculty	
	4	1 (6 Credits)		1 (6 Credits)	1 (4 Credits)	1 (4 Credits)		6+6+4+4 =20		
Level 7	5	1 (6 Credits)	1 (4 credits)			1 (4 Credits)	1 Field project/internship/ apprenticeship (6 Credits)	6+4+4+6 =20	(120) Bachelor Degree in Main Faculty	
	6	1 (6 Credits)	2 (4 credits) + (4 credits)				1 Field project/internship/ apprenticeship (6 Credits)	6+4+4+6 =20		
Level 8	7	1 (6 Credits)	1 (4 credits)	1 Research Methodology (4 Credits)			1 Field project/internship/ Apprenticeship or Research Project (6 Credits)	6+4+4+6 =20	(160) Bachelor Degree (Honours) in Main faculty Bachelor Degree (Research) in Main faculty	
	8	1 (6 Credits)		1 (4 Credits)			1 Field project/ internship/ Apprenticeship or Research Project (10 Credits)	6+4 +10 =20		
Total		48 credits	16 credits	32 credits	16 credits	12 Credits	08 Credits	28 Credits	160 Credits	

ST. ALOYSIUS' COLLEGE (AUTONOMOUS)

COURSE STRUCTURE AS PER NEP





ST. ALOYSIUS' COLLEGE

(AUTONOMOUS)

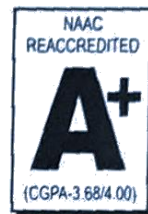
1, Ahilya Bai Marg, Sadar, Cantt., Jabalpur - 482 001 (M.P.), India

College with Potential for Excellence by UGC

DST FIST SUPPORTED & Star College Scheme by DBT

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2021-22

Programme and Course structures with credit framework of Programmes having **Components of Field Project/ Research Projects /Internships duly Approved by Respective Board of Studies, Approved by Academic council duly signed by the chairman of Academic Council.**

1. Bachelor of Arts
2. Bachelor of Science
3. Bachelor of Commerce
4. Bachelor of Computer Application
5. Bachelor of Business Administration
6. Master of Arts in Economics
7. Master of Arts in English Literature
8. Master of Arts in Political science
9. Master of Science in Physics
10. Master of Science in Microbiology
11. Master of Science in Zoology
12. Master of Science in Chemistry
13. Master of Science in Computer Science
14. Master of Science in Biotechnology
15. Master of Commerce
16. Doctor of Philosophy (PhD) in Physics
17. Doctor of Philosophy (PhD) in Chemistry
18. Doctor of Philosophy (PhD) in Economics
19. Doctor of Philosophy (PhD) in Mathematics

PRINCIPAL
St. Aloysius College (Autonomous)
JABALPUR- 482001 (M.P.)
INDIA

Chairman

Academic Council

St. Aloysius' College (Autonomous), Jabalpur

UNDERGRADUATE PROGRAMMES



VIRTUS IN ARDUO

BACHELOR OF ARTS



Bachelor of Arts (2021-22)

Name	Code	Type	Category	Max	Min	Credit
Bhasha Aur Sanskriti	111011	Fc1	External	50	17	2
English Language And Indian Culture	111021	Fc2	External	50	17	2
Environmental Education	111031	Fc3	External	50	17	2
Yogic Science	111041	Fc4	External	50	17	2
Micro Economics	111051	Major1	External	70	23	6
Indian Economy	111061	Major2	External	70	23	6
Indian Economy	111061	Minor	External	70	23	6
Indian Economy	111061	Elective	External	70	23	6
Political Theory	111071	Major1	External	70	23	6
Indian Constitution	111081	Major2	External	70	23	6
Indian Constitution	111081	Minor	External	70	23	6
Indian Constitution	111081	Elective	External	70	23	6
Study Of Drama	111091	Major1	External	70	23	4
Study Of Poetry	111101	Major2	External	70	23	4
Study Of Poetry	111101	Minor	External	70	23	4
Study Of Poetry	111101	Elective	External	70	23	4
Functional Grammar Of English	111121	Elective	External	70	23	6
Idea Of Bharat	111131	Major1	External	70	23	6
History Of Ancient India (From Early To 1205 Ad)	111141	Major2	External	70	23	6
History Of Ancient India (From Early To 1205 Ad)	111141	Minor	External	70	23	6
History Of Ancient India (From Early To 1205 Ad)	111141	Elective	External	70	23	6
Data Processing Software	111151	Elective	External	70	23	4

Hindi Kavya	111171	Major1	External	70	23	6
Karyaleen Hindi Evam Bhasha Computing	111181	Major2	External	70	23	6
Karyaleen Hindi Evam Bhasha Computing	111181	Minor	External	70	23	6
Karyaleen Hindi Evam Bhasha Computing	111181	Elective	External	70	23	6
Prayojanmulak Hindi: Karyalayee Prayog	111191	Elective	External	70	23	6
Micro Economics	111052	Major1	Internal	30	10	0
Indian Economy	111062	Major2	Internal	30	10	0
Indian Economy	111062	Minor	Internal	30	10	0
Indian Economy	111062	Elective	Internal	30	10	0
Political Theory	111072	Major1	Internal	30	10	0
Indian Constitution	111082	Major2	Internal	30	10	0
Indian Constitution	111082	Minor	Internal	30	10	0
Indian Constitution	111082	Elective	Internal	30	10	0
Study Of Drama	111092	Major1	Internal	30	10	0
Study Of Poetry	111102	Major2	Internal	30	10	0
Study Of Poetry	111102	Minor	Internal	30	10	0
Study Of Poetry	111102	Elective	Internal	30	10	0
Functional Grammar Of English	111122	Elective	Internal	30	10	0
Idea Of Bharat	111132	Major1	Internal	30	10	0
History Of Ancient India (From Early To 1205 Ad)	111142	Major2	Internal	30	10	0
History Of Ancient India (From Early To 1205 Ad)	111142	Minor	Internal	30	10	0
History Of Ancient India (From Early To 1205 Ad)	111142	Elective	Internal	30	10	0
Data Processing Software	111152	Elective	Internal	30	10	0
Hindi Kavya	111172	Major1	Internal	30	10	0
Karyaleen Hindi Evam Bhasha Computing	111182	Major2	Internal	30	10	0
Karyaleen Hindi Evam Bhasha Computing	111182	Minor	Internal	30	10	0
Karyaleen Hindi Evam Bhasha Computing	111182	Elective	Internal	30	10	0
Prayojanmulak Hindi: Karyalayee Prayog	111192	Elective	Internal	30	10	0
Study Of Drama	111093	Major1	Practical	100	33	2

Study Of Poetry	111103	Major2	Practical	100	33	2
Study Of Poetry	111103	Minor	Practical	100	33	2
Data Processing Software	111151	Minor	External	70	23	4
Data Processing Software	111152	Minor	Internal	30	10	0
Data Processing Software	111153	Elective	Practical	100	33	2
Data Processing Software	111153	Minor	Practical	100	33	2
Field Project/ Internship	811202		Practical	50	17	4
Field Project/ Internship	811203		Practical	50	17	

BACHELOR OF SCIENCE



VIRTUS IN ARDUO

Bachelor of Science (2021-22)

Name	Code	Type	Category	Max	Min	Credit
Bhasha Aur Sanskriti	211011	Fc1	External	50	17	2
English Language And Indian Culture	211021	Fc2	External	50	17	2
Environmental Education	211031	Fc3	External	50	17	2
Yogic Science	211041	Fc4	External	50	17	2
Indian Economy	211061	Elective	External	70	23	4
Fundamentals Of Chemistry	211081	Major1	External	70	23	6
Analytical Chemistry	211091	Major2	External	70	23	6
Analytical Chemistry	211091	Minor	External	70	23	6
Analytical Chemistry	211091	Elective	External	70	23	4
Cell Biology And Biochemistry	211101	Major1	External	70	23	6
Microbiology And Immunology	211111	Major2	External	70	23	6
Animal Diversity: Non-Chordata	211121	Major1	External	70	23	6
Cell Biology, Reproductive Biology And Developmental Biology	211131	Major2	External	70	23	6
Cell Biology, Reproductive Biology And Developmental Biology	211131	Minor	External	70	23	6
Cell Biology, Reproductive Biology And Developmental Biology	211131	Elective	External	70	23	4
Basic Botany	211141	Major2	External	70	23	6
Basic Botany	211141	Minor	External	70	23	6
Basic Botany	211141	Elective	External	70	23	4
Tools And Techniques In Industrial Microbiology	211161	Major1	External	70	23	6
Fundamentals Of Industrial Microbiology	211171	Major2	External	70	23	6
Algebra, Vector Analysis And Geometry	211181	Major1	External	70	23	6
Calculus And Differential Equation	211191	Major2	External	70	23	6
Calculus And Differential Equation	211191	Minor	External	70	23	6

Calculus And Differential Equation	211191	Elective	External	70	23	4
Thermodynamics And Statistical Physics	211211	Major1	External	70	23	6
Mechanics And General Properties Of Matter	211221	Major2	External	70	23	6
Mechanics And General Properties Of Matter	211221	Minor	External	70	23	6
Mechanics And General Properties Of Matter	211221	Elective	External	70	23	4
Computer System Architecture	211231	Major1	External	70	23	6
Programming Methodologies And Data Structures	211241	Major2	External	70	23	6
Programming Methodologies And Data Structures	211241	Minor	External	70	23	6
Programming Methodologies And Data Structures	211241	Elective	External	70	23	4
Indian Economy	211062	Elective	Internal	30	10	0
Fundamentals of Chemistry	211082	Major1	Internal	30	10	0
Analytical Chemistry	211092	Major2	Internal	30	10	0
Analytical Chemistry	211092	Minor	Internal	30	10	0
Analytical Chemistry	211092	Elective	Internal	30	10	0
Cell Biology and Biochemistry	211102	Major1	Internal	30	10	0
Microbiology and Immunology	211112	Major2	Internal	30	10	0
Animal Diversity: Non-Chordata	211122	Major1	Internal	30	10	0
Cell Biology, Reproductive Biology and Developmental Biology	211132	Major2	Internal	30	10	0
Cell Biology, Reproductive Biology and Developmental Biology	211132	Minor	Internal	30	10	0

NAME	CODE	TYPE	CATEGORY	MAX	MIN	CRED IT
Cell Biology, Reproductive Biology and Developmental Biology	211132	Elective	Internal	30	10	0
Basic Botany	211142	Major2	Internal	30	10	0
Basic Botany	211142	Minor	Internal	30	10	0
Basic Botany	211142	Elective	Internal	30	10	0
Tools And Techniques in Industrial Microbiology	211162	Major1	Internal	30	10	0
Fundamentals of Industrial Microbiology	211172	Major2	Internal	30	10	0
Algebra, Vector Analysis and Geometry	211182	Major1	Internal	30	10	0
Calculus and Differential Equation	211192	Major2	Internal	30	10	0
Calculus and Differential Equation	211192	Minor	Internal	30	10	0
Calculus and Differential Equation	211192	Elective	Internal	30	10	0
Thermodynamics and Statistical Physics	211212	Major1	Internal	30	10	0
Mechanics and General Properties Of Matter	211222	Major2	Internal	30	10	0
Mechanics and General Properties Of Matter	211222	Minor	Internal	30	10	0
Mechanics and General Properties Of Matter	211222	Elective	Internal	30	10	0
Computer System Architecture	211232	Major1	Internal	30	10	0
Programming Methodologies and Data Structures	211242	Major2	Internal	30	10	0
Programming Methodologies and Data Structures	211242	Minor	Internal	30	10	0
Programming Methodologies and Data Structures	211242	Elective	Internal	30	10	0
Fundamentals of Chemistry	211083	Major1	Practical	100	33	2
Analytical Chemistry	211093	Major2	Practical	100	33	2
Analytical Chemistry	211093	Minor	Practical	100	33	2
Analytical Chemistry	211093	Elective	Practical	100	33	2
Cell Biology and Biochemistry	211103	Major1	Practical	100	33	2
Microbiology and Immunology	211113	Major2	Practical	100	33	2
Animal Diversity: Non-Chordata	211123	Major1	Practical	100	33	2
Cell Biology, Reproductive Biology and Developmental Biology	211133	Major2	Practical	100	33	2
Cell Biology, Reproductive Biology and Developmental Biology	211133	Minor	Practical	100	33	2
Cell Biology, Reproductive Biology and Developmental Biology	211133	Elective	Practical	100	33	2
Basic Botany	211143	Major 2	Practical	100	33	2

Basic Botany	211143	Minor	Practical	100	33	2
Basic Botany	211143	Elective	Practical	100	33	2
Tools And Techniques in Industrial Microbiology	211163	Major 1	Practical	100	33	2
Fundamentals of Industrial Microbiology	211173	Major 2	Practical			

				100	33	2
Thermodynamics and Statistical Physics	211213	Major 1	Practical	100	33	2
Mechanics and General Properties Of Matter	211223	Major 2	Practical	100	33	2
Mechanics and General Properties Of Matter	211223	Minor	Practical	100	33	2
Mechanics and General Properties Of Matter	211223	Elective	Practical	100	33	2
Computer System Architecture	211233	Major 1	Practical	100	33	2
Programming Methodologies and Data Structures	211243	Major 2	Practical	100	33	2
Programming Methodologies and Data Structures	211243	Minor	Practical	100	33	2
Programming Methodologies and Data Structure	211243	Elective	Practical	100	33	2
Field Project/ Internship	811202		practical	50	17	4
Field Project/ Internship	811203		practical	50	17	

VOCATIONAL

Accounting and Tally	811011	Vocational	External	70	23	3
Desktop Publishing DTP	811021	Vocational	External	70	23	3
Digital MarketinG	811031	Vocational	External	70	23	3
E-Accounting and Taxation with GST	811041	Vocational	External	70	23	3
Electrical Technology	811051	Vocational	External	70	23	3
Export Import Management	811061	Vocational	External	70	23	3
Finance Services and Insurance	811071	Vocational	External	70	23	3
Food Preservation and Processing	811081	Vocational	External	70	23	3
Import and Export management	811091	Vocational	External	70	23	3
Medical Diagnostics	811101	Vocational	External	70	23	3
Medicinal Plants	811111	Vocational	External	70	23	3
Nutrition and Dietetics	811121	Vocational	External	70	23	3
Office Procedure and Practices	811131	Vocational	External	70	23	3
Organic Farming	811141	Vocational	External	70	23	3

Personality Development	811151	Vocational	External	70	23	3
Salesmanship	811161	Vocational	External	70	23	3
Vermicomposting	811171	Vocational	External	70	23	3
Web Designing	811181	Vocational	External	70	23	3
Accounting and Tally	811012	Vocational	Internal	30	10	0
Desktop Publishing DTP	811022	Vocational	Internal	30	10	0
Digital Marketing	811032	Vocational	Internal	30	10	0
E-Accounting and Taxation with GST	811042	Vocational	Internal	30	10	0
Electrical Technology	811052	Vocational	Internal	30	10	0

Export Import Management	811062	Vocational	Internal	30	10	0
Finance Services and Insurance	811072	Vocational	Internal	30	10	0
Food Preservation and Processing	811082	Vocational	Internal	30	10	0
Import and Export management	811092	Vocational	Internal	30	10	0
Medical Diagnostics	811102	Vocational	Internal	30	10	0
Medicinal Plants	811112	Vocational	Internal	30	10	0
Nutrition and Dietetics	811122	Vocational	Internal	30	10	0
Office Procedure and Practices	811132	Vocational	Internal	30	10	0
Organic Farming	811142	Vocational	Internal	30	10	0
Personality Development	811152	Vocational	Internal	30	10	0
Salesmanship	811162	Vocational	Internal	30	10	0
Vermicomposting	811172	Vocational	Internal	30	10	0
Web Designing	811182	Vocational	Internal	30	10	0
Accounting and Tally	811013	Vocational	Practical	100	33	1
Desktop Publishing DTP	811023	Vocational	Practical	100	33	1
Digital Marketing	811033	Vocational	Practical	100	33	1
E-Accounting and Taxation with GST	811043	Vocational	Practical	100	33	1
Electrical Technology	811053	Vocational	Practical	100	33	1
Export Import Management	811063	Vocational	Practical	100	33	1
Finance Services and Insurance	811073	Vocational	Practical	100	33	1
Food Preservation and Processing	811083	Vocational	Practical	100	33	1
Import and Export management	811093	Vocational	Practical	100	33	1
Medical Diagnostics	811103	Vocational	Practical	100	33	1
Medicinal Plants	811113	Vocational	Practical	100	33	1
Nutrition and Dietetics	811123	Vocational	Practical	100	33	1
Office Procedure and Practices	811133	Vocational	Practical	100	33	1
Organic Farming	811143	Vocational	Practical	100	33	1
Personality Development	811153	Vocational	Practical	100	33	1
Salesmanship	811163	Vocational	Practical	100	33	1
Vermicomposting	811173	Vocational	Practical	100	33	1
Web Designing	811183	Vocational	Practical	100	33	1

BACHELOR OF COMMERCE



VIRTUS IN ARDUO

Bachelor of Commerce (2021-22)

Name	Code	Type	Category	Max	Min	Credit
Bhasha Aur Sanskriti	311011	Fc1	External	50	17	2
English Language And Indian Culture	311021	Fc2	External	50	17	2
Environmental Education	311031	Fc3	External	50	17	2
Yogic Science	311041	Fc4	External	50	17	2
Financial Accounting	311051	Major1	External	70	23	6
Business Regulatory Framework	311061	Major2	External	70	23	6
Business Organisation And Communication	311071	Minor	External	70	23	6
Data Processing Software	311091	Elective	External	70	23	4
Business Economics	311101	Elective	External	70	23	6
Business Mathematics	311111	Elective	External	70	23	6
Financial Accounting	311052	Major1	Internal	30	10	0
Business Regulatory Framework	311062	Major2	Internal	30	10	0
Business Organization And Communication	311072	Minor	Internal	30	10	0
Data Processing Software	311092	Elective	Internal	30	10	0
Business Economics	311102	Elective	Internal	30	10	0
Business Mathematics	311112	Elective	Internal	30	10	0
Data Processing Software	311093	Elective	Practical	100	33	2
Field Project/ Internship	811202		Practical	50	17	4
Field Project/ Internship	811203		Practical	50	17	

BACHELOR OF BUSINESS ADMINISTRATION



Bachelor of Business Administration (2021-22)

Name	Code	Type	Category	Max	Min	Credit
Bhasha Aur Sanskriti	611011	Fc1	External	50	17	2
English Language And Indian Culture	611021	Fc2	External	50	17	2
Environmental Education	611031	Fc3	External	50	17	2
Yogic Science	611041	Fc4	External	50	17	2
Business Management	611051	Major1	External	70	23	6
Micro Economics	611061	Major1	External	70	23	6
Financial Accounting	611071	Major1	External	70	23	6
Communication Skills	611111	Major2	External	70	23	6
Communication Skills	611111	Minor	External	70	23	6
Communication Skills	611111	Elective	External	70	23	6
Business Statistics	611091	Major2	External	70	23	6
Business Statistics	611091	Minor	External	70	23	6
Business Statistics	611091	Elective	External	70	23	6
Business Mathematics	611101	Major2	External	70	23	6
Business Mathematics	611101	Minor	External	70	23	6
Business Mathematics	611101	Elective	External	70	23	6
Business Management	611052	Major1	Internal	30	10	0
Micro Economics	611062	Major1	Internal	30	10	0
Financial Accounting	611072	Major1	Internal	30	10	0
Communication Skills	611112	Major2	Internal	30	10	0
Communication Skills	611112	Minor	Internal	30	10	0
Communication Skills	611112	Elective	Internal	30	10	0
Business Statistics	611092	Major2	Internal	30	10	0
Business Statistics	611092	Minor	Internal	30	10	0
Business Statistics	611092	Elective	Internal	30	10	0
Business Mathematics	611102	Major2	Internal	30	10	0
Business Mathematics	611102	Minor	Internal	30	10	0
Business Mathematics	611102	Elective	Internal	30	10	0
Field Project/ Internship	811202		Practical	50	17	4
Field Project/ Internship	811203		Practical	50	17	4

BACHELOR OF COMPUTER APPLICATION



Bachelor of Computer Application (2021-22)

NAME	CODE	TYPE	CATEGORY	MAX	MIN	CRE DIT
Bhasha aur Sanskriti	711011	Fc1	External	50	17	2
English Language and Indian Culture	711021	Fc2	External	50	17	2
Environmental Education	711031	Fc3	External	50	17	2
Yogic Science	711041	Fc4	External	50	17	2
Computer Fundamentals, Organization And Architecture	711051	Major1	External	70	23	6
Programming Methodologies And Data Structures	711061	Major2	External	70	23	6
Operating System	711071	Minor	External	70	23	6
Computational Mathematics	711081	Elective	External	70	23	6
Computer Fundamentals, Organization And Architecture	711052	Major1	Internal	30	10	0
Programming Methodologies And Data Structures	711062	Major2	Internal	30	10	0
Operating System	711072	Minor	Internal	30	10	0
Computational Mathematics	711082	Elective	Internal	30	10	0
Computer Fundamentals, Organization And Architecture	711053	Major1	Practical	100	33	2
Programming Methodologies And Data Structures	711063	Major2	Practical	100	33	2
Operating System	711073	Minor	Practical	100	33	2
Field Project/ Internship	811202		Practical	50	17	4
Field Project/ Internship	811203		Practical	50	17	4

POST GRADUATE PROGRAMMES



MASTER OF ARTS



MA IV SEM - ECONOMICS

		SUBJECT CODES			THEORY MARKS		C CE MARKS		PRACTICAL MARKS		CREDIT
		TH	CCE	PR	MAX	MIN	MAX	MIN	MAX	MIN	
1	Indian Economy: Structure, Problems and Policy - I	414011	414012		40	14	10	4			5
2	Indian Foreign Trade and International Institutions - II	414021	414022		40	14	10	4			5
3	Financial Institutions and Markets - III	414031	414032		40	14	10	4			5
4	Economics of Gender and Development- IV	414041	414042		40	14	10	4			5
5	Project and Comprehensive Viva			414063					25	9	4
6	Skill Development (Communication Skills)	994002			10	4					1



MA IV SEM - POLITICAL SCIENCE

		SUBJECT CODES			THEORY MARKS		CCE MARKS		PRACTICAL MARKS		CREDIT
		TH	CCE	PR	MAX	MIN	MAX	MIN	MAX	MIN	
1	Political Sociology - I	434011	434012		40	14	10	4			5
2	Government and Politics of Madhya Pradesh - II	434021	434022		40	14	10	4			5
3	Electoral Politics in India – III	434031	434032		40	14	10	4			5
4	Human Rights - IV	434041	434042		40	14	10	4			5
5	Project and Comprehensive Viva			434053					25	9	4
6	Skill Development (Communication Skills)	994002			10	4					1



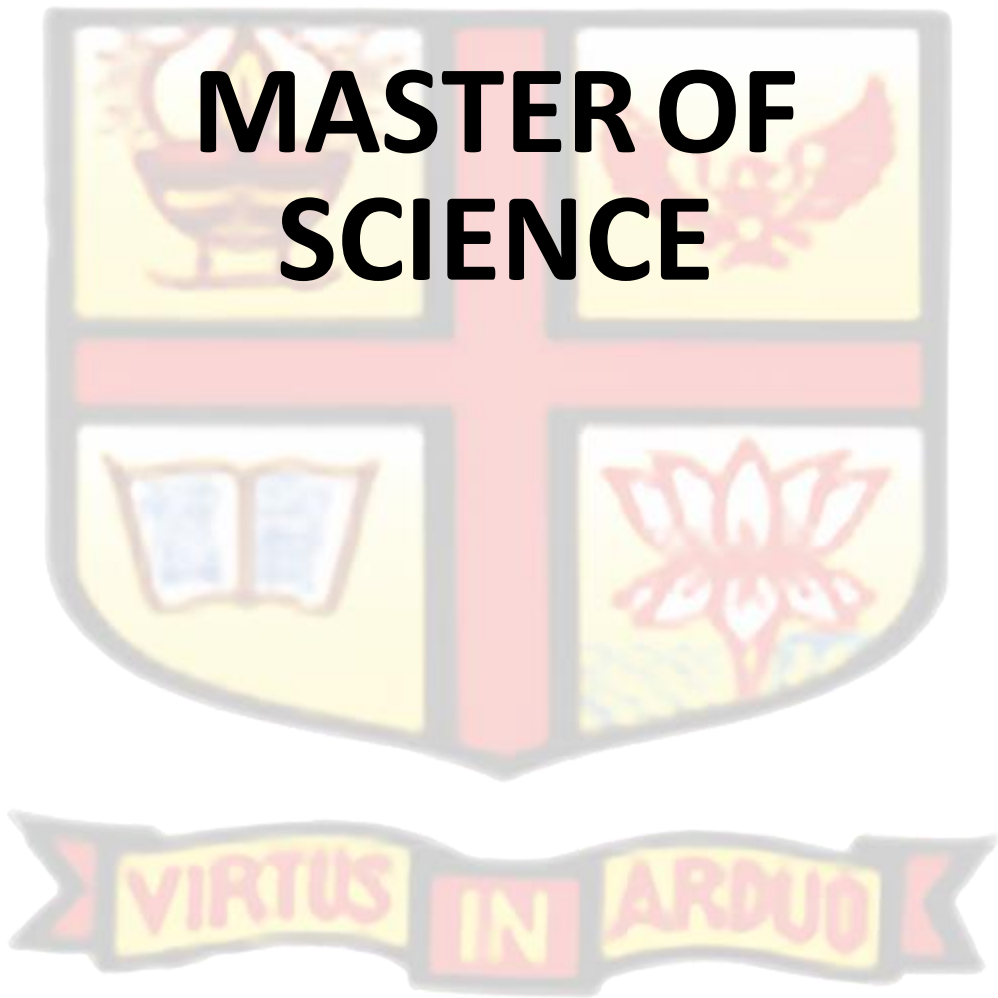
MA I SEM - ENGLISH LITERATURE											CREDIT
		SUBJECT CODES			THEORY MARKS		CCE MARKS		PRACTICAL MARKS		
		TH	CCE	PR	MAX	MIN	MAX	MIN	MAX	MIN	
1	Poetry - I	421011	421012		40	14	10	4			5
2	Drama - II	421021	421022		40	14	10	4			5
3	Fiction - III	421031	421032		40	14	10	4			5
4	Prose-IV	421041	421042		40	14	10	4			5
5	Project			421053					25	9	4
6	Skill Development (Computational Skills)	991001			10	4					1



MA III SEM - ENGLISH LITERATURE											CREDIT
		SUBJECT CODES			THEORY MARKS		CCE MARKS		PRACTICAL MARKS		
		TH	CCE	PR	MAX	MIN	MAX	MIN	MAX	MIN	
1	Critical Theory-I	423011	423012		40	14	10	4			5
2	English Language-II	423021	423022		40	14	10	4			5
3	American Literature-III	423031	423032		40	14	10	4			5
4	Indian Writings in English-III	423041	423042								
5	Fundamentals of Communication-IV	423051	423052		40	14	10	4			5
6	Project			423053					25	9	4
7	Skill Development (Personality Development)	993003			10	4					1



MASTER OF SCIENCE



MSC IV SEM - PHYSICS

MSC IV SEM - PHYSICS											
		SUBJECT CODES			THEORY MARKS		CCE MARKS		PRACTICAL MARKS		CREDIT
		TH	CCE	PR	MAX	MIN	MAX	MIN	MAX	MIN	
1	Atomic and Molecular Physics - I	514011	514012		40	14	10	4			4
2	Concise Study of Non-Linear Systems - II	514021	514022		40	14	10	4			4
3	Condensed Matter Physics - III	514031	514032		40	14	10	4			4
4	A Course In Computational Physics using Mathematica(II) - IV	514041	514042		40	14	10	4			4
5	LAB - A (Condensed Matter Physics)			514053					50	18	3
6	LAB - B (Mathematica)			514063					50	18	3
7	Research / Industry Based Project			514073					100	40	4
8	Skill Development (Communication Skills)	994002							10	4	1

MSC IV SEM - BIOTECHNOLOGY							
		SUBJECT CODES			PRACTICAL MARKS		CREDIT
		TH	CCE	PR	MA X	MI N	
1	Dissertation			564013	200	70	16
2	Project and Comprehensive Viva-Voce			564023	50	18	4
3	Seminar			564033	50	18	4



MSC IV SEM - COMPUTER SCIENCE

		SUBJECT CODES			THEORY MARKS		CCE MARKS		PRACTICAL MARKS		CREDIT
		TH	CCE	PR	MAX	MIN	MAX	MIN	MAX	MIN	
1	Compiler Design - I	554011	554012		40	14	10	4			4
2	Cloud Computing	554021	554022		40	14	10	4			4
3	TCP/IP Concepts - III	554031	554032		40	14	10	4			4
4	Data Science using Python - IV	554041	554042		40	14	10	4			4
5	Major Project / Research Project			554053					150	5 2	6
6	Skill Development (Entrepreneurship Development)	994004							10	4	1

DEPARTMENT OF BOTANY AND MICROBIOLOGY
M.SC. MICROBIOLOGY SEMESTER IV
SESSION 2021-22

DISSERTATION	CREDITS	MAXIMUM MARKS
A. Valuation		
(i) Language and Presentation	4	50
(ii) Review of Literature	4	50
(iii) Methodology	4	50
(iv) Analysis and Interpretation of Result	2	50
B. Viva Voce Internal	2	25
C. Viva Voce External	2	25
Skill Development	1	Grade Point will be provided by Skill Development Centre

MSC IV SEM - ZOOLOGY											
		SUBJECT CODES			THEORY MARKS		CCE MARKS		PRACTICAL MARKS		CREDIT
		TH	CCE	PR	MAX	MIN	MAX	MIN	MAX	MIN	
1	Animal Behaviour and Neurophysiology - I	534011	534012		40	1 4	10	4			4
2	Gamete Biology, Development and Differentiation - II	534021	534022		40	1 4	10	4			4
3	Pure and Applied Fisheries - III	534031	534032		40	1 4	10	4			4
4	Practical - I			534043					50	18	2
5	Practical - II			534053					50	18	2
6	Dissertation			534063					50	18	4
7	Internship Project			534073					50	18	4
8	Comprehensive Viva-voce			534083					50	18	1
9	Skill Development (Communication Skills)	994002			10	4					1

MSC IV SEM - CHEMISTRY

MSC IV SEM - CHEMISTRY											
		SUBJECT CODES			THEORY MARKS		CCE MARKS		PRACTICAL MARKS		CREDIT
		TH	CCE	PR	MAX	MIN	MAX	MIN	MAX	MIN	
1	Inorganic Chemistry - I	544011	544012		40	14	10	4			4
2	Organic Synthesis Strategies - II	544021	544022		40	14	10	4			4
3	Environmental Chemistry - III	544031	544032		40	14	10	4			4
4	Bioorganic Chemistry - IV	544041	544042		40	14	10	4			4
5	Minor Project / Internship			544053					100	3 5	5
6	Seminar			544063					10	4	1
7	Skill Development (Communication Skills)	994002							10	4	1

MASTER OF COMMERCE



M.Com IV SEM - COMMERCE

		SUBJECT CODES			THEORY MARKS		CCE MARKS		PRACTICAL MARKS		CREDIT
		TH	CCE	PR	MAX	MIN	MAX	MIN	MAX	MIN	
1	Indirect Tax: Goods and Services Tax - I	914011	914012		40	14	10	4			4
2	Research Methodology - II	914021	914022		40	14	10	4			4
3	International Financial Management - III	914031	914032		40	14	10	4			4
	International Marketing Management- III	914041	914042		40	14	10	4			4
	Corporate Tax Planning- III	914051	914052		40	14	10	4			4
4	Human Resource Development - IV	914061	914062		40	14	10	4			4
5	Dissertation / Project and Viva- Voce			914073					50	18	4
6	Skill Development (Communication Skills)	994002			10	4					1



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

ORDINANCE 11

Rani Durgavati Vishwavidyalaya, Jabalpur

For

Doctor of Philosophy (PhD)

VIRTUS IN ARDUO

ORDINANCE NO. 11

DOCTOR OF PHILOSOPHY

Revised in light of the University Grants Commission (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degrees Regulations, 2016 published in the Gazette of India on July 05, 2016)

1. The Ordinance shall come into force with effect from the date of its notification by UGC in Gazette. With the enforcement of this ordinance, existing ordinance shall be repealed.

2. No Ph.D. scholar shall join any other course/study or appear at any other examination leading to a degree, except Certificate course(s), during his/her Ph.D. programme.

3. A candidate for the degree of Doctor of Philosophy must, at the time of application, hold a Master's degree or equivalent in the concerned or allied subject with at least 55% Marks (50% for SC/ST/OBC(non-creamy layer)/Differently-Abled and other categories of candidates as per the decision of the UGC from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991.) of the University, a deemed University or other University incorporated by any law for the time being in force and recognized by the University.

*For Candidates belonging to the following faculties, eligibility of the candidate will be decided as follows:

a. Faculty of Ayurved – As per CCIM norms.

b. Faculty of Medicine –

I. Allopathy subjects – As per MCI norms.

II. Nursing subjects – As per INC norms.

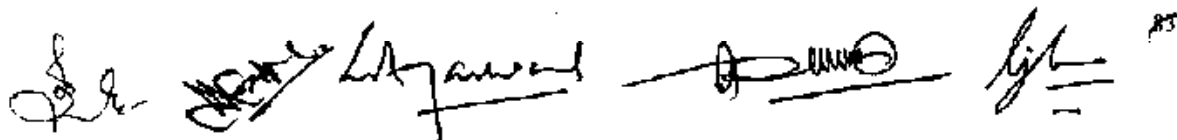
III. Homeopathy subjects – As per CCH norms.

c. Faculty of Dentistry – As per DCI norms.

4. A candidate shall ordinarily be permitted to work for Ph.D. Degree in the subject in which he/she has obtained his/her Master's Degree.

Provided that, research work leads to Ph.D. Degree may be allowed in allied subject of interdisciplinary nature of the same faculty or of allied faculties. In such cases, candidates may be permitted to work under one or two co-supervisors along with the supervisor.

5. Candidates shall be admitted through an entrance test followed by an interview. The students who have qualified UGC-NET with JRF / UGC-CSIR-NET with JRF / teacher fellowship holder or any other Government / Foreign research fellowship holder or have

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Supervisor / Co-supervisor belongs to the Research Laboratory recognized by the University as research centre through MoU then respectively Co-supervisor/ Supervisor will be allotted from the UTD with which Research Laboratory has the MoU.

In case of topics which are of inter-disciplinary nature where the RAC feels that the expertise in the research centre has to be supplemented from outside, the RAC may appoint a Research Supervisor from the research centre, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the Research centre/ Faculty / College/ University on such terms and conditions as may be specified and agreed upon by the consenting Institutions/Colleges.

11. Course Work:-

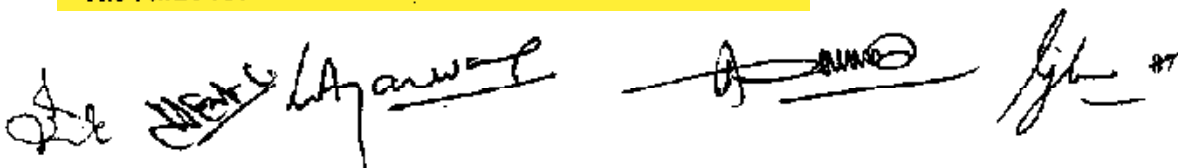
(a) The candidates selected for Ph.D. programme are required to apply for the Ph.D. registration on prescribed proforma downloadable from the university website (Appendix-II). The duly filled registration form along with the necessary documents and certificates shall be forwarded by the research centre after verifying the payments of the following fees:

- (i) Registration fee
- (ii) Ph.D. Course work fee
- (iii) Research Centre fee for six months
- (iv) Research Centre Caution Money (payable once only and refundable)
- (v) University Library fee for six months
- (vi) University Library caution money (payable once only and refundable)
- (vii) IT Infrastructure fee for six months
- (viii) Research Laboratory fee for six months (where laboratory work is involved)
- (ix) Identify card fee
- (x) Any other fee as decided by the university.

Duly forwarded Ph.D. registration form should be submitted to the University and a photocopy of the same form and documents should be submitted to the Research Centre.

The candidates already completed the course work with at least 55% of marks in M.Phil. and admitted to the Ph.D. programme shall be exempted from the Ph.D. course work and its fee. All other candidates admitted to the Ph.D. programme and submitted the Ph.D. registration form shall be required to complete the course work of 16 credits as prescribed by the University/ Research Centre during initial one or two semesters. The course work shall be treated as prerequisite for Ph.D. preparation. All courses prescribed for Ph.D. course work shall be in conformity with the credit hour instructional requirement and shall specify content, instructional and assessment methods. The examination and evaluation scheme for Ph.D. course work shall be as per the examination and evaluation scheme of the University applicable to the other programmes of the UTDs.

The Ph.D. course work shall contain the following courses:



(i) Research Methodology	4 credits
(ii) Review of Published Research in the relevant field	3 credits
(iii) Computer Applications	3 credits
(iv) Advance course in the relevant subject	3 credits
(v) Comprehensive Viva-Voce	3 credits

The course on Research Methodology should cover areas such as statistical research methods, research ethics, research report writing, etc. The course on Review of Published Research in the relevant field will be undertaken under the supervisor or the regular teacher of the centre of course work and the candidate has to consult the library or other resources to carry out the literature review. At the end of the semester the candidate has to submit a brief report on the literature review for evaluation, which will be done by the two examiners. The course on computer applications will include the computer applications helpful in the relevant subject. The advanced course in the relevant field shall comprise the topics related to the subject of research. The syllabus of the courses on research methodology, computer applications, and advanced course shall be decided by the concerned Board of Studies.

The final grades shall be submitted to the University. The University shall issue the certificate of the Ph.D. course work in the prescribed format (Appendix-III).

(b) The course work shall be conducted in the University Teaching Departments/ Research centers as approved by the Vice chancellor.

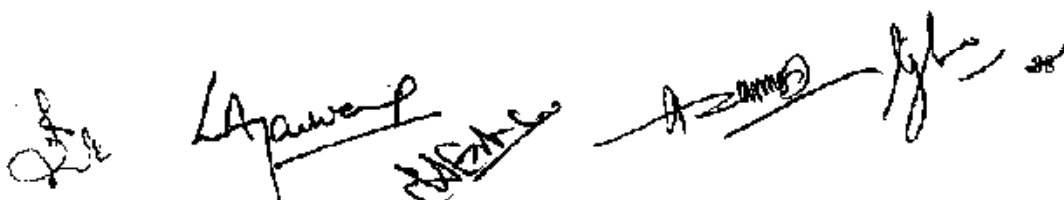
(c) A combined course work for M.Phil. and Ph.D. students may be conducted for a single / group of subjects wherever possible.

(d) If found necessary, course work may be carried out in sister UTD/ Institute within the University for which due credit will be given.

(e) If a student obtains F or Ab Grade in a course/ subject, he /she will be treated to have failed in that course. He / she have to reappear in the examinations of the course as and when conducted or arranged by the UTD in the next semester. Marks obtained earlier in continuous assessment may be carried forward and added to the marks obtained in repeat end-semester examination to decide the grade in the repeat course. The student has to pay the prescribed fee for repeating the course. If he/she further fails in the course, he/she shall not be given another chance and he/ she shall be out of the Ph.D. programme. No student shall be allowed to repeat the course to improve the grade if he/ she pass the course.

(f) The candidate has to obtain a minimum of 55% of marks or its equivalent grade points in aggregate in the course work in order to be eligible to continue in the Ph.D. programme.

12. Registration of the student:



submit his/ her thesis within six calendar years from the date of registration and does not apply for extension in time, his/her registration shall stand automatically cancelled.

The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years for Ph.D. in the maximum duration. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D. for up to 240 days.

Provided that the period for submission of thesis can be extended by one year by the Vice Chancellor, if he/she applies for extension at least one month before the expiry of registration period together with a prescribed fee. In case the candidate does not submit his/her thesis within the extended period his/her registration stand automatically cancelled.

Provided also that, Vice Chancellor may permit a candidate to get re-registered on the same topic on payment of re-registration fee. The minimum period of three years and attendance shall not apply to such reregistered candidates.

19. A candidate may be allowed to change the Supervisor by the Vice Chancellor on the recommendation of the RAC or Chairman BOS and Dean of the faculty under special circumstances. No major change in the topic of research will be permitted due to change of supervisor.

20. (a) The University shall obtain every six months a record of attendance, receipt of fees paid and a progress report on a prescribed format (Appendix-V) of the work of the Research Scholar from his supervisor.

(b) If the progress of work is not found satisfactory in two successive reports or no reports are received for a period of one year and the candidate fails to deposit the fee, the Vice Chancellor may order the removal the name of the Scholar from the list of those registered for the Ph.D. Degree.

21. Evaluation and Assessment Methods, minimum standards for award of the degree:

The candidate shall submit a draft dissertation / thesis to the research centre prior submission of the research summary and the scholar shall make a presentation in the research centre open to all faculty members and other research scholars. The feedback and comments obtained from them may be suitably incorporated into the draft dissertation / thesis in consultation with the supervisor/ co-supervisor.

On the advice of the Supervisor and Co-Supervisor (if any) minor changes in the thesis title may be approved by the Research Advisory Committee.

22. Ph.D. scholars must publish at least one (1) research paper in refereed journal and make two paper presentations in conferences / seminars before the submission of the thesis for adjudication, and produce evidence for the same in the form of presentation certificates and/or reprints.

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