

**BENGALURU CENTRAL
UNIVERSITY,
BENGALURU**

**MA Economics Syllabus
(CBCS)**

With Effect from Academic Year
2018-19 Onwards



PRINCIPAL
APS College of Arts & Science
N.R. Colony, Bangalore-560 019.

FIRST SEMESTER		
Hard Core		
I	1.1	Advanced Microeconomics I
I	1.2	Advanced Macroeconomics I
I	1.3	Mathematical Methods in Economics
Soft Core		
I	1.4.1	Indian Economics
I	1.4.2	Economic Thought
I	1.4.3	Institutional Economics
I	1.4.4	Regional Economics
SECOND SEMESTER		
II	2.1	Advanced Microeconomics II
II	2.2	Advanced Macroeconomics II
II	2.3	Statistical Methods in Economics
Electives		
II	2.4.1	Agricultural Economics
II	2.4.2	Urban Economics
Open Electives		
II	2.5.1	Indian Economics
THIRD SEMESTER		
III	3.1	Development Economics
III	3.2	International Economics
III	3.3	Econometrics-I
Electives		
III	3.4.1	Industrial Economics
III	3.4.2	Environmental Economics
Open Electives		
III	3.5.1	Globalization and Economy
FOURTH SEMESTER		
IV	4.1	Public Economics
IV	4.2	Econometrics-II
IV	4.3	Project Work
Electives		
IV	4.4.1	Financial Economics
IV	4.4.2	Economics of Infrastructure
IV	4.4.3	Economic Demography
IV	4.4.4	Economics and Law


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Course: M.A. in Economics
Semester: III Semester
Type of the Course: Hard Core

Title of the Paper: 4.3: PROJECT WORK

Credits: 4

Duration: 60 hours

The Objectives set for the course are:

- To introduce students to real life situations in any human activity;
- To enable students to identify problems in any domain in Economics;
- To facilitate students to find solutions in the back ground of knowledge acquired from learning from the three semesters &
- To prepare students for skills in problem solving in the application areas in Economics.

Note:

As per BCU Regulations for Arts

10.1 The project work must be guided by teachers with research experience.

10.2 The project work will be carried out in the fourth semester, but the guide allocation and topics will be finalized in the third semester

10.3 The topics assigned by the respective guides for the project work shall be approved by the department council in third semester.

10.4 The project work dissertation will be evaluated for 70 Marks and there will be viva for 30 Marks.

10.5 The Viva will be conducted by the concerned BOE in the presence of the guide.

10.6 Project may also include field work/internship. The modalities can be worked out by the concerned teacher with the approval of department council

The Concerned Guides are requested to see that the

1. The final project must pass through test of plagiarism/similarity test by an accepted software eg., Turnitin or Urkund or any other standard software.
2. The similarity index should not exceed 20%.
3. The text of the project work must have a certificate of originality by the Guide/Supervisor.

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INDICATIVE GUIDELINES

1. Prepare a check list for identifying a theme for the project. This can be done as a part general discussion in the third semester of the M.A. programme. The student may be allowed to choose his theme either in a concept area or in an application area. Live project may be encouraged to make student feel the problem, describe it & document in the language of research.
2. Conduct a pilot study/survey if necessary.
3. A note on significance/importance of the Study could be added.
4. Allow the student to use search engine for a broad Review of Literature.
5. Mark out Research Gap.
6. Formulate of Research Questions /Issues/Problem.
7. List out Research Objectives.
8. List Hypotheses for testing to draw conclusions (Optional).
9. Advise the student to develop a Theoretical construct (Optional for PG).
10. Develop Conceptual Framework – Conceptualization & Operationalization (precise and specific meaning of the terms/operational definitions / concepts /variables).
11. Enumerate Coverage (Universe/ Sample & period of study).
12. Evaluate secondary source(s) of problem identified.
13. Detail Data source (Primary/Secondary/online)
14. Choice of Tools of analysis (Analytical Framework) need be enumerated.
15. The Social Relevance of the study with stress on immediacy or on implications may stated.
16. Help draw limitations of the study.
17. Implications of the Study for a lead solution be highlighted.
18. Appendices
19. Bibliography
20. References
21. Webliography


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Indicative outlines of the Project Report

A. Title Page/ Cover Page

- a. Title page
- b. Title of the project
- c. Name of the candidate/candidate code
- d. Degree for which project is submitted.
- e. Name of the college/ Department and University
- f. Month and year the project is presented

B. Declaration of the student

C. Certificate of Originality based on Similarity Index Report

D. Acknowledgments

E. Table of contents

- a. List of Tables
- b. List of Figures
- c. Glossary
- d. List of abbreviations

F. Chapter Outlines (Chapter Titles and Page Numbers)

G. Abstract/ Executive Summary (Not exceeding two pages)

H. The Main Text

- a. Introductory Chapter: to cover 2 to 14 points mentioned above
- b. Other Chapters - Analysis, Results Interpretation
- c. Conclusion Chapter: Conclusions, Recommendations & Summary
- I. End Notes (after each Chapter)
- J. Bibliography (at the end of the thesis)

K. Appendices/Annexure

- a. Check list
- b. Questionnaire
- c. Interview Schedule
- d. Observation Schedule (optional)
- e. Coding Frame (optional)
- f. Letters sent to sample members, if any
- g. First two pages of Originality Report Attested by the Student & the Guide/Supervisor
- h. Any Other


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Length of the Project

1. Report length, minimum of 35 pages, excluding Appendix and Certificates.
2. Alignment: Justify
3. Font: Times New roman
4. Font size: 12
5. Line spacing: 1.5
6. No Page Border



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CBCS , MA Economics Syllabus – 2014

FIRST SEMESTER			
I	1.1	Advanced Micro Economics	
I	1.2	Advanced Macro Economics	
I	1.3	Public Economic Theory & Policy	
I	1.4	Mathematical Methods for Economists	
	1.5	Development Economics	
I	1.6	Monetary Economics	
I		Electives	
I	1.7.1	Agricultural Economics	
I	1.7.2	Financial Institutions & Management	
I	1.7.3	Economics of Nobel Laureates	
I	1.7.4	Economics And Law	
SECOND SEMESTER			
II	2.1	Indian Economics	
II	2.2	International Economics	
II	2.3	Statistical Methods for Economists	
II	2.4	Advanced Managerial Economics	
II	2.5	Indian Public Finance	
II	2.6	Project Work or Elective	
		Electives	
II	2.6.1	Agri-Business	
II	2.6.2	Economics of Labour	
II	2.6.3	Economics of Insurance	
II	2.6.4	Regional Economics	
THIRD SEMESTER			
III	3.1	Research Methodology	
III	3.2	Basic Computer Applications for Economics Analysis	
III	3.3	Econometrics	
III	3.4	Welfare Economics	
III	3.5	International Finance & Business	
		Open Electives	
III	3.6.1	Indian Economics	
III	3.6.2	Economics of Globalization	
III	3.6.3	Human Resource Development	
FOURTH SEMESTER			
IV	4.1	Advanced Computer Applications for Economics Analysis	
IV	4.2	Environmental Economics	
IV	4.3	Demography	
IV	4.4	Economic Planning	
IV	4.5	Urban Economics	
IV	4.6	Project Work	

Principals
PRINCIPAL

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N.R. Colony, Bangalore-560 019.**

Ramk

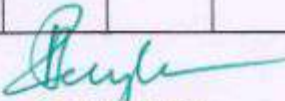
CONVENOR
CURRICULUM COMMITTEE
APS COLLEGE OF ARTS & SCIENCE

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N.R. Colony, Bangalore-560 019.**

BENGALURU CENTRAL UNIVERSITY
BACHELOR OF COMPUTER APPLICATIONS,
SYLLABUS (2019-20 ONWARDS)

Title of Papers and Scheme of Study & Examination for BCA, Under Choice Based Credit
 System - Semester System (Revised w.e.f. 2019-2020)

Sem	Part	Paper Code	Title of Paper	Hours/ Week	Marks			Credits	
					IA	Exam	Total	Subject	Semester
	Part 1	BCA 101T	Indian Language	4	30	70	100	2	
		BCA 102T	English	4	30	70	100	2	
I	Part 2	BCA 103T	Problem Solving Techniques using C	4	30	70	100	2	16
		BCA 104T	Computer Organizations	4	30	70	100	2	
		BCA 105T	Discrete Mathematics	5	50	100	150	3	
		BCA 103P	C Programming Lab	3	15	35	50	1	
		BCA 104P	Office Automation	3	15	35	50	1	
	Part 3		Foundation Course	3	30	70	100	2	
			CC & EC		50		50	1	
II	Part 1	BCA20 1T	Indian Language	4	30	70	100	2	16
		BCA20 2T	English	4	30	70	100	2	
	Part 2	BCA20 3T	Data Structures	4	30	70	100	2	
		BCA20 4T	Database Management System	4	30	70	100	2	
		BCA20 5T	Numerical and Statistical Methods	5	50	100	150	3	
		BCA20 3P	Data Structures using C lab	3	15	35	50	1	
		BCA20 4P	DBMS Lab Using Oracle	3	15	35	50	1	

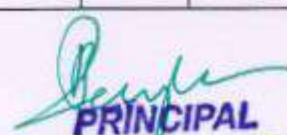


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	Part 3		Foundation Course	3	30	70	100	2	
			CC & EC		50		50	1	
Sem	Part	Paper Code	Title of Paper	Hours/Week	Marks			Credits	
					IA	Exam	Total	Subject	Semester
III	Part 1	BCA3 01T	Indian Language	4	30	70	100	2	16
		BCA3 02T	English	4	30	70	100	2	
	Part 2	BCA3 03T	Object oriented Programming using C++	4	30	70	100	2	
		BCA3 04T	Financial Accounting and Management	4	30	70	100	2	
		BCA3 05T	Operating System	5	50	100	150	3	
		BCA3 03P	OOPS Using C++ Lab	3	15	35	50	1	
		BCA3 04P	Tally Lab	3	15	35	50	1	
	Part 3		Foundation Course	3	30	70	100	2	
			CC & EC		50		50	1	
IV	Part 1	BCA4 01T	Indian Language	4	30	70	100	2	16
		BCA4 02T	English	4	30	70	100	2	
	Part 2	BCA4 03T	VB.NET Programming	4	30	70	100	2	
		BCA4 04T	Unix and Shell Programming	4	30	70	100	2	
		BCA4 05T	Software Engineering	5	50	100	150	3	
		BCA4 03P	VB.NET Lab	3	15	35	50	1	
		BCA4 04P	Unix Lab	3	15	35	50	1	
	Part 3		Skill Development	3	30	70	100	2	
		CC & EC		50		50	1		

Sem	Part	Paper Code	Title of Paper	Hours/Week	Marks			Credits	
					IA	Exam	Total	Subject	Semester
V	Part 2	BCA501T	Data Communication and Networks	5	50	100	150	3	20
		BCA502T	Artificial Intelligence	5	50	100	150	3	
		BCA503T	Java Programming	4	30	70	100	2	
		BCA504T	Analysis and Design of Algorithm	4	30	70	100	2	
		BCA505T	Elective 1	5	50	100	150	3	
		BCA503P	Java Programming Lab	3	15	35	50	1	
		BCA504P	Analysis and Design of Algorithm Lab	3	15	35	50	1	
		BCA506P	Project	6	50	100	150	3	
	Part 3		Skill Development Course	3	30	70	100	2	
VI	Part 2	BCA601T	System Programming	5	50	100	150	3	20
		BCA602T	Professional and Business Communication	5	50	100	150	3	
		BCA603T	WEB Programming	4	30	70	100	2	
		BCA604T	Elective 2	5	50	100	150	3	
		BCA605T	WEB Programming Lab	3	15	35	50	1	
		BCA605P	Project Work	12	100	200	300	6	
	Part 3		Skill Development Course	3	30	70	100	2	


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**Title of Papers and Scheme of Study & Examination for BCA (Bachelor of
Computer Applications) Under Choice Based Credit System - Semester System
(Revised w.e.f. 2014-2015)**

Semester	Part	Paper Code	Title of the paper	Hours / Week	Marks			Credits			
					IA	Exam	Total	Subject	Semester		
	Part - 1	BCA101T	Indian Language	4	20	80	100	2	16		
		BCA102T	English	4	20	80	100	2			
	Part - 2	BCA103T	Problem Solving Techniques using C	4	30	70	100	2			
		BCA104T	Digital Electronics	4	30	70	100	2			
		BCA105T	Discrete Mathematics	5	50	100	150	3			
		BCA103P	C Programming Lab	3	15	35	50	1			
	Part - 3	-	Foundation Course	3	30	70	100	2			
		-	CC & EC	-	50	-	50	1			
		Part - 1	BCA201T	Indian Language	4	20	80	100		2	16
			BCA202T	English	4	20	80	100		2	
Part - 2		BCA203T	Data structures	4	30	70	100	2			
		BCA204T	Database Management System	4	30	70	100	2			
		BCA205T	Numerical and Statistical Methods	5	50	100	150	3			
		BCA203P	Data Structures Lab	3	15	35	50	1			
Part - 3		-	Foundation Course	3	30	70	100	2			
		-	CC & EC	-	50	-	50	1			
		Part - 1	BCA301T	Indian Language	4	20	80	100	2	16	
			BCA302T	English	4	20	80	100	2		
	Part - 2	BCA303T	Object Oriented Programming using C++	4	30	70	100	2			
		BCA304T	Financial Accounting and Management	4	30	70	100	2			
		BCA305T	Operating System	5	50	100	150	3			
		BCA303P	C++ Lab	3	15	35	50	1			
	Part - 3	-	Foundation Course	3	30	70	100	2			
		-	CC & EC	-	50	-	50	1			
		Part - 1	BCA401T	Indian Language	4	20	80	100	2		16
			BCA402T	English	4	20	80	100	2		
Part - 2		BCA403T	Visual Programming	4	30	70	100	2			
		BCA404T	Unix Shell programming	4	30	70	100	2			
		BCA405T	Operation Research	5	50	100	150	3			
		BCA403P	Visual Programming Lab	3	15	35	50	1			
Part - 3		-	UNIX Lab	3	15	35	50	1			
		-	Skill Development Course	3	30	70	100	2			
-		CC & EC	-	50	-	50	1				

Semester	Part	Paper Code	Title of the paper	Hours / Week	Marks			Credits	
					IA	Exam	Total	Subject	Semester
V	Part - 2	BCA501T	Data Communication and Networks	4	50	100	150	3	20
		BCA502T	Software Engineering	4	50	100	150	3	
		BCA503T	Computer Architecture	4	50	100	150	3	
		BCA504T	Java Programming	4	30	70	100	2	
		BCA505T	Microprocessor and Assembly Language	4	30	70	100	2	
		BCA504P	Java Programming Lab	3	15	35	50	1	
		BCA505P	Assembly Language Programming Lab	3	15	35	50	1	
	BCA506P	Project	8	50	100	150	3		
	Part - 3	-	Skill Development Course	3	30	70	100	2	
VI	Part-2	BCA601T	Theory of Computation ✓	4	50	100	150	3	20
		BCA602T	System Programming	4	50	100	150	3	
		BCA603T	Cryptography and Network Security	4	50	100	150	3	
		BCA604T	Web Programming	4	30	70	100	2	
		BCA604P	Web Programming Lab	3	15	35	50	1	
	BCA605P	Project Work	16	100	200	300	6		
	Part - 3	-	Skill Development Course	3	30	70	100	2	


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BENGALURU CITY UNIVERSITY

**SYLLABUS For B.Sc. PHYSICS
(I to VI Semester)**

CHOICE BASED CREDIT SYSTEM

2020-2021


PRINCIPAL
APS College of Arts & Science
N.R. Colony, Bangalore-560 019,

BENGALURU CENTRAL UNIVERSITY
Scheme of Instruction & Examination for
B.Sc., Physics, CBCS Scheme (from 2020 -21)

Sl. No.	Course Number	Teaching hours per week	Exam duration	Maximum marks		Maximum total marks	Credits
				Final exam	Internal Assessment		
01	PHY 101	4	3 hours	70	30	150	2
02	PHY 102	3	3 hours	35	15		1
03	PHY 201	4	3 hours	70	30	150	2
04	PHY 202	3	3 hours	35	15		1
05	PHY 301	4	3 hours	70	30	150	2
06	PHY 302	3	3 hours	35	15		1
07	PHY 401	4	3 hours	70	30	150	2
08	PHY 402	3	3 hours	35	15		1
09	PHY 501	3	3 hours	70	30	150	2
10	PHY 502	3	3 hours	35	15		1
11	PHY 503	3	3 hours	70	30	150	2
12	PHY 504	3	3 hours	35	15		1
13	PHY 601	3	3 hours	70	30	150	2
14	PHY 602	3	3 hours	35	15		1
15	PHY 603	3	3 hours	70	30	150	2
16	PHY 604	3	3 hours	35	15		1
Grand Total						1200	24

Note-I:

- The course number is a three digit number with ' 0 ' in the middle
- The digit to the left of ' 0 ' indicates the semester number
- Odd number to the right of ' 0 ' indicates a theory paper
- Even number to the right of ' 0 ' indicates a practical paper

Note-II:

The marks distribution for the final practical examination is as follows:

- Formula/Formulae with explanation of symbols - 03 marks
- Diagram/Circuit diagram and tabular column - 03 marks
- Experimental setup + systematic entry of readings - 08 marks
- Accuracy of readings - 05 marks
- Graphs and Calculations - 04 marks
- Final result and units - 02 marks
- Practical record book valued by the examiner - 05 marks
- Viva voce - 05 marks

Total for the practical examination - 35 marks

Note-III:

A minimum of **EIGHT (8)** experiments must be performed in each practical paper.


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BENGALURU CITY UNIVERSITY

**SYLLABUS For B.Sc. MATHEMATICS
(I to IV Semester)**

CHOICE BASED CREDIT SYSTEM

2020-2021


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APS College of Arts & Science
N.R. Colony, Bangalore-560 019.

Structure of B.Sc. Mathematics papers

Semester	Title of the paper		Teaching hrs/week	Duration of Exam (hrs)	IA MARKS	EXAM MARKS	TOTAL MARKS	Semester Total
1	B.Sc. I	Theory	4 hrs	3 hrs	30	70	100	150
		Practical	3 hrs	3 hrs	15	35	50	
2	B.Sc. II	Theory	4hrs	3 hrs	30	70	100	150
		Practical	3 hrs	3 hrs	15	35	50	
3	B.Sc.III	Theory	4 hrs	3 hrs	30	70	100	150
		Practical	3 hrs	3 hrs	15	35	50	
4	B.Sc. IV	Theory	4 hrs	3 hrs	30	70	100	150
		Practical	3 hrs	3 hrs	15	35	50	

Note: In the Practical component out of 35 marks: 25 for practical exam + 5 for vivo + 5 for lab record.


**PATTERN OF THE QUESTION PAPER
FROM 1st TO 4th SEMESTER**

Time:3 Hours

Max.Marks:70

I	Answer any FIVE of the following (8 questions are given)	$5 \times 2 = 10$ Marks
II	Answer any THREE of the following (05 questions are given)	$3 \times 5 = 15$ Marks
III	Answer any THREE of the following (05 questions are given)	$3 \times 5 = 15$ Marks
IV	Answer any TWO of the following (03 questions are given)	$2 \times 5 = 10$ Marks
V	Answer any TWO of the following (03 questions are given)	$2 \times 5 = 10$ Marks
VI	Answer any TWO of the following (03 questions are given) Questions to be taken only from Application part	$2 \times 5 = 10$ Marks

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Structure of B.Sc. / B.Sc.(Hons.) – Mathematics papers

Subjects	Paper	Instruction hrs/week	Duration of Exam(hrs)	Marks			Credits
				IA	Exam	Total	
I Semester							
Mathematics paper with practicals of 3credits	Theory Prac.	4	3	30	70	100	2
		3	3	15	35	50	1
II Semester							
Mathematics paper with practicals of 3credits	Theory Prac.	4	3	30	70	100	2
		3	3	15	35	50	1
III Semester							
Mathematics paper with practicals of 3credits	Theory Prac.	4	3	30	70	100	2
		3	3	15	35	50	1
IV Semester							
Mathematics paper with practicals of 3credits	Theory Prac.	4	3	30	70	100	2
		3	3	15	35	50	1
V Semester							
Two Mathematics papers with practicals of 3 credits each	Theory Prac.	3	3	30	70	100	2
		3	3	15	35	50	1
	Theory Prac.	3	3	30	70	100	2
		3	3	15	35	50	1
VI Semester							
Two Mathematics papers with practicals of 3 credits each	Theory Prac.	3	3	30	70	100	2
		3	3	15	35	50	1
	Theory Prac.	3	3	30	70	100	2
		3	3	15	35	50	1

Note: The structure of the syllabus of mathematics paper of B. Sc. (Hons.) is included in the structure of M.Sc. (Mathematics) syllabus.


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BE BOUNDLESS

BENGALURU CITY UNIVERSITY

SYLLABUS For B.Sc BOTANY (I & II Semester)

CHOICE BASED CREDIT SYSTEM

2020-2021


PRINCIPAL

APS College of Arts & Science
N.R. Colony, Bangalore-560 019,

**PROCEEDINGS OF THE MEETING OF THE BOARD OF STUDIES (UG) IN
BOTANY BANGALORE CENTRAL UNIVERSITY HELD ON 28-06-2018 IN THE
DEPARTMENT OF BOTANY, BANGALORE UNIVERSITY, BANGALORE**

Venue: Department of Botany, J. B. Campus, Bangalore University, Bangalore — 560 056.

Date : 28-06-2018

Time : 11.00 AM

Agenda:

1. To finalize the draft syllabus for Choice Based Credit System for B.Sc., Botany, for approval
2. Any other academic matter with the permission of the Chair.

Members Present:

1.	Smt. Shailaja. K. S	Member	Sd/-
2.	Dr. Dhaneshwari.	Member	Sd/-
3.	Dr.Sabiha Sultana.M	Member	Sd/-
4.	Dr. Lt. Ramakrishnaiah	Member	Sd/-
5.	Dr. Manjula. B. L	Member	Sd/-
6.	Prof. G. R. Janaradhan	External Member	Sd/-
7.	Prof. L. Rajanna	Chairman	Sd/-

Members Absent

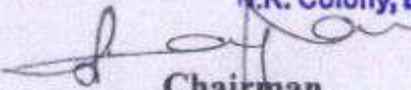
1.	Dr. Anitha. P	Member
2.	Dr. B. S. Jyothsna	Member
3.	Dr. N. Rajeshwari	External Member

MINUTES OF THE BoS (UG) MEETING:

Chairman welcomed the members to the meeting and thereafter the agenda were taken up for discussion

- a) The draft scheme of study. Examination and Syllabus for Choice Based Credit System for I and II Semester B. Sc., Botany, were scrutinized, discussed and approved after minor changes.
- b) The Chairperson BoS was authorized to make necessary modifications wherever it is required.

The meeting ended with a vote of thanks by the Chairman.


Chairman
Professor & Chairman
Department of Botany
Bangalore University
Bangalore - 560 056.

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BENGALURU CENTRAL UNIVERSITY

**SYLLABUS FOR B.Sc Botany
(IIIrd to VI Semester)**

**CHOICE BASED CREDIT SYSTEM
(SEMESTER SCHEME)**

2020-21 onwards


PRINCIPAL

**APS College of Arts & Science
N.R. Colony, Bangalore-560 019.**

Proceedings of the meeting of BOS (UG) in Botany held on 30th September 2021 at Senate hall, Department of Commerce, Bangalore City University, Bengaluru - 560 001

References:

1. G.O. ED: 260/USE/2019 (part-1), Bangalore
2. Email from HEC, GOK dated
3. University order dated

Adverting to above, the drafted syllabus prepared by Higher Educational Council (HEC), Government of Karnataka (GOK) pertaining to B.Sc. Botany was circulated by online mode (mailed on 24.09.2021) to all the members of BOS.



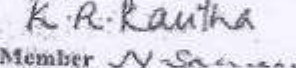

Agenda: Approval of syllabus for B.Sc. in Botany theory and practical and scheme of examination for I and II semesters of Bangalore City University, Bangalore.

Resolution: The proposed syllabus for B.Sc. in Botany and practical, Open Elective and Scheme of Examination for I and II semesters were scrutinized thoroughly, finalized with appropriate inclusions and deletions and finally approved.

Members Present

1. Zaiha Nishanth Bann
2. Dr. Mallikarjuna P.B.
3. Dr. B.L. Manjula
4. Smt. K.R. Kayitha
5. Smt. N. Sarvamangala
6. Smt. K.S. Shalaja
7. Dr. L. Rajanna

Signature

Member	
Member	
Member	
Member	K.R. Kautha
Co-opted Member	N Sarvamangala
Co-opted Member (ONLINE)	
Chairman	 30/9/21

Members Absent

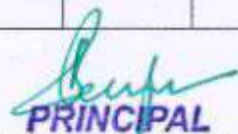
- | | |
|------------------------|--------|
| 1. Dr. Deepak Bhat | Member |
| 2. Dr. Jenifer Iolatha | Member |
| 3. Smt. Chandrakala S | Member |


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BENGALURU CENTRAL UNIVERSITY
BACHELOR OF COMPUTER APPLICATIONS,
SYLLABUS (2019-20 ONWARDS)


Title of Papers and Scheme of Study & Examination for BCA, Under Choice Based Credit System - Semester System (Revised w.e.f. 2019-2020)

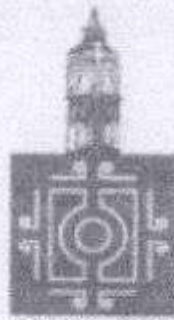
Sem	Part	Paper Code	Title of Paper	Hours/Week	Marks			Credits	
					IA	Exam	Total	Subject	Semester
I	Part 1	BCA 101T	Indian Language	4	30	70	100	2	16
		BCA 102T	English	4	30	70	100	2	
	Part 2	BCA 103T	Problem Solving Techniques using C	4	30	70	100	2	
		BCA 104T	Computer Organizations	4	30	70	100	2	
		BCA 105T	Discrete Mathematics	5	50	100	150	3	
		BCA 103P	C Programming Lab	3	15	35	50	1	
		BCA 104P	Office Automation	3	15	35	50	1	
	Part 3		Foundation Course	3	30	70	100	2	
			CC & EC		50		50	1	
	II	Part 1	BCA20 1T	Indian Language	4	30	70	100	
BCA20 2T			English	4	30	70	100	2	
Part 2		BCA20 3T	Data Structures	4	30	70	100	2	
		BCA20 4T	Database Management System	4	30	70	100	2	
		BCA20 5T	Numerical and Statistical Methods	5	50	100	150	3	
		BCA20 3P	Data Structures using C lab	3	15	35	50	1	
		BCA20 4P	DBMS Lab Using Oracle	3	15	35	50	1	


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	Part 3		Foundation Course	3	30	70	100	2	
			CC & EC		50		50	1	
Sem	Part	Paper Code	Title of Paper	Hours/Week	Marks			Credits	
					IA	Exam	Total	Subject	Semester
III	Part 1	BCA3 01T	Indian Language	4	30	70	100	2	16
		BCA3 02T	English	4	30	70	100	2	
	Part 2	BCA3 03T	Object oriented Programming using C++	4	30	70	100	2	
		BCA3 04T	Financial Accounting and Management	4	30	70	100	2	
		BCA3 05T	Operating System	5	50	100	150	3	
		BCA3 03P	OOPS Using C++ Lab	3	15	35	50	1	
		BCA3 04P	Tally Lab	3	15	35	50	1	
	Part 3		Foundation Course	3	30	70	100	2	
			CC & EC		50		50	1	
	IV	Part 1	BCA4 01T	Indian Language	4	30	70	100	
BCA4 02T			English	4	30	70	100	2	
Part 2		BCA4 03T	VB.NET Programming	4	30	70	100	2	
		BCA4 04T	Unix and Shell Programming	4	30	70	100	2	
		BCA4 05T	Software Engineering	5	50	100	150	3	
		BCA4 03P	VB.NET Lab	3	15	35	50	1	
		BCA4 04P	Unix Lab	3	15	35	50	1	
Part 3			Skill Development	3	30	70	100	2	
		CC & EC		50		50	1		

Sem	Part	Paper Code	Title of Paper	Hours/Week	Marks			Credits	
					IA	Exam	Total	Subject	Semester
V	Part 2	BCA501T	Data Communication and Networks	5	50	100	150	3	20
		BCA502T	Artificial Intelligence	5	50	100	150	3	
		BCA503T	Java Programming	4	30	70	100	2	
		BCA504T	Analysis and Design of Algorithm	4	30	70	100	2	
		BCA505T	Elective 1	5	50	100	150	3	
		BCA503P	Java Programming Lab	3	15	35	50	1	
		BCA504P	Analysis and Design of Algorithm Lab	3	15	35	50	1	
		BCA506P	Project	6	50	100	150	3	
	Part 3		Skill Development Course	3	30	70	100	2	
VI	Part 2	BCA601T	System Programming	5	50	100	150	3	20
		BCA602T	Professional and Business Communication	5	50	100	150	3	
		BCA603T	WEB Programming	4	30	70	100	2	
		BCA604T	Elective 2	5	50	100	150	3	
		BCA605T	WEB Programming Lab	3	15	35	50	1	
		BCA605P	Project Work	12	100	200	300	6	
	Part 3		Skill Development Course	3	30	70	100	2	


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BENGALURU CITY UNIVERSITY

SYLLABUS For B.Sc. ZOOLOGY (I to VI Semester)

CHOICE BASED CREDIT SYSTEM

2020-2021

PRINCIPAL
APS College of Arts & Science
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PROPOSED CURRICULUM IN ZOOLOGY FOR B. Sc. (UG) 2018-19 Onwards
DEPARTMENT OF ZOOLOGY

THEORY

Sem	Paper Code	Title of the paper	Total number Of hours	Hours /week	Marks	Internal Assessment*	Total Marks
I	Paper-I	Non Chordata-I	52	04	70	30	100
II	Paper-II	Non Chordata-II	52	04	70	30	100
III	Paper-III	Chordata	52	04	70	30	100
IV	Paper-IV	Comparative anatomy, Human anatomy, Cell Biology and Histology	52	04	70	30	100
V	Paper-V	Environmental Biology and Ethology	40	03	70	30	100
	Paper-VI	Genetics and Biotechnology	40	03	70	30	100
VI	Paper-VII	Developmental biology and Organic Evolution	40	03	70	30	100
	Paper-VIII	Animal Physiology and Techniques in Biology	40	03	70	30	100

Internal Assessment marks*- 30

PRACTICAL

Sem	Paper Code	Title of the paper	Total number Of hours	Hours/ week	Marks	Internal Assessment*	Total Marks
I	Paper-I	Non Chordata-I	45	03	35	15	50
II	Paper-II	Non Chordata-II	45	03	35	15	50
III	Paper-III	Chordata	45	03	35	15	50
IV	Paper-IV	Comparative anatomy, Human anatomy, Cell biology and Histology	45	03	35	15	50
V	Paper-V	Environmental Biology and Ethology	45	03	35	15	50
	Paper-VI	Genetics and Biotechnology	45	03	35	15	50
VI	Paper-VII	Developmental biology and Organic Evolution	45	03	35	15	50
	Paper-VIII	Animal Physiology and Techniques in Biology	45	03	35	15	50

Internal Assessment marks*- 15


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BENGALURU CITY UNIVERSITY

**SYLLABUS For B.Sc. CHEMISTRY
(I to VI Semester)**

CHOICE BASED CREDIT SYSTEM

2020-2021

PRINCIPAL

**APS College of Arts & Science
N.R. Colony, Bangalore-560 019.**

BENGALURU CENTRAL UNIVERSITY. BENGALURU.
SCHEME OF EXAMINATION.

Title of the paper	Contact hours/Week	Exam. hours	IA	Marks	Total Marks	Credits
First Semester						
Chemistry-I	4	3	30	70	100	2
Chemistry Practical-I	3	3	15	35	50	1
Second Semester						
Chemistry-II	4	3	30	70	100	2
Chemistry Practical-II	3	3	15	35	50	1
Third Semester						
Chemistry-III	4	3	30	70	100	2
Chemistry Practical-III	3	3	15	35	50	1
Fourth Semester						
Chemistry-IV	4	3	30	70	100	2
Chemistry Practical-IV	3	3	15	35	50	1
Fifth Semester						
Chemistry-V	3	3	30	70	100	2
Chemistry Practical-V	3	3	15	35	50	1
Chemistry-VI	3	3	30	70	100	2
Chemistry Practical-VI	3	3	15	35	50	1
Sixth Semester						
Chemistry-VII	3	3	30	70	100	2
Chemistry Practical-VII	3	3	15	35	50	1
Chemistry-VIII	3	3	30	70	100	2
Chemistry Practical-VIII	3	3	15	35	50	1

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BENGALURU CITY UNIVERSITY (BCU)

UG- SYLLABUS B.A. /B.Sc. PSYCHOLOGY 2021 [CBCS]


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APS College of Arts & Science
N.R. Colony, Bangalore-560 019.

Course Matrix for B.A. /B.Sc. Psychology (BCU)

Sem	PAPER TITLE	Paper	Hours/ Week	Exam duration	Marks			Cre dits
					IA	Exam	Total	
I	Paper I - Basic Psychological Processes-I	Theory	4	3	30	70	100	2
	Practical Paper- I	Practical	3	3	15	35	50	1
II	Paper II-Basic Psychological Processes-II	Theory	4	3	30	70	100	2
	Practical Paper- II	Practical	3	3	15	35	50	1
III	Paper III Developmental Psychology / Child Psychology (Students to choose any One)	Theory	4	3	30	70	100	2
	Practical Paper- III	Practical	3	3	15	35	50	1
IV	Paper IV Social Psychology / Educational Psychology (Students to choose any One)	Theory	4	3	30	70	100	2
	Practical Paper- IV	Practical	3	3	15	35	50	1
V	Paper V Psychological Disorders/ Positive Psychology (Students to choose any One)	Theory	2 x3	2 x3	2x30	2 x70	2x100	2x2
	Paper VI Research Methodology/ Counselling Psychology (Students to choose any One)							
	Practical Paper- V	Practical	3	3	15	35	50	1
	Practical Paper- VI	Practical	3	3	15	35	50	1
VI	Paper VII Industrial Psychology/ Environmental Psychology (Students to choose any One)	Theory	2 x3	2 x3	2x30	2 x70	2x100	2x2
	Paper VIII Psychological Assessment/ Health Psychology (Students to choose any One)							
	Practical Paper- VII	Practical	3	3	15	35	50	1
	Practical Paper- VIII	Practical	3	3	15	35	50	1
TOTAL Credits								24


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BENGALURU CENTRAL UNIVERSITY

SYLLABUS FOR BA SOCIOLOGY

**CHOICE BASED CREDIT SYSTEM
(SEMESTER SCHEME)**

2019-2020 onwards


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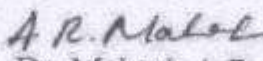
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Bangalore-560 019.**

BANGALORE CENTRAL UNIVERSITY
SOCIOLOGY SYLLABUS for BA PROGRAMME
CBCS SCHEME: 2019-20 Onwards


Course Content							
Paper Code	Course	Instruction Hrs./Wk	Duration of Exam	Marks for Final Exam.	Internal Assess.	Total Marks	Credit
Semester I							
SOC 101	Fundamentals of Sociology	5	3	100	50	150	3
Semester II							
SOC 151	Social Institutions and Social Change	5	3	100	50	150	3
Semester III							
SOC 201	Study of Indian Society	5	3	100	50	150	3
Semester IV							
SOC 251	Crime and Society	5	3	100	50	150	3
V Semester							
SOC 301	Sociological Thought	4	3	100	50	150	3
SOC 302*	Sociology of media and communication	4	3	100	50	150	3
SOC 303*	Industrial Sociology	4	3	100	50	150	3
VI Semester							
SOC 351	Elements of social Research	4	3	100	50	150	3
SOC 352#	Sociology of Tourism	4	3	100	50	150	3
SOC 353#	Sociology of Marketing	4	3	100	50	150	3

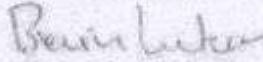
*, # - Optional Courses, Select ONE from the TWO

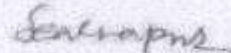

Mrs. Renuka B.

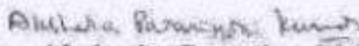

Dr. Mahesh A.R

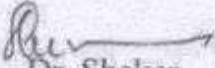

Smt. Rajeshwari A


Smt. Sujatha C. N.,


Mrs. Berfin Lukas,


Prof. S.K. Parthapur,


Mrs. Akshatha Paranjyothi KUMAR


Dr. Shekar.


Chairman
Dr. Vinay Rajath, D
Chairman
BOS Sociology
Bangalore Central University

- 3 -


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BENGALURU CITY UNIVERSITY

**REGULATIONS AND SYLLABUS FOR
B.A Economics
(I to VI Semester)**

**CHOICE BASED CREDIT SYSTEM
(SEMESTER SCHEME)**

2019-20 Onwards


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**APS College of Arts & Science
N.R. Colony, Bangalore-560 019.**

Bengaluru City University, Bengaluru

B.A. Economics Syllabus (Effect from 2019-20 onwards)

FIRST SEMESTER		
1		Micro Economics (Hard core)
SECOND SEMESTER		
2		Macro Economics (Hard core)
THIRD SEMESTER		
3		Public Economics (Hard core)
		or
3.1		Development Economics (Hard core)
FOURTH SEMESTER		
Hard Core		
4		Introduction to Quantitative Methods for Economics (Hard Core)
		or
4.1		Introduction to Statistics for Economics (Hard Core)
		or
4,2		Agricultural Economics(Hard Core)
FIFTH SEMESTER		
5		Indian Economics (Hard core)
		Soft core
5.1		Mathematical Methods for Economists
5.2		Financial Economics
5.3		Environmental Economics
5.4		Economics for Infrastructure
Sixth Semester		
6		International Trade Theory & Policy (Hard core)
		Soft core
6.1		Research Methodology
6.2		Human Resource management
6.3		Indian Economic Thought
6.4		Entrepreneurial Economics


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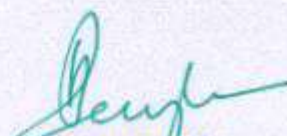
BENGALURU CENTRAL UNIVERSITY

BA

SYLLABUS FOR POLITICAL SCIENCE

**CHOICE BASED CREDIT SYSTEM
(SEMESTER SCHEME)**

2019-2020 onwards


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Bengaluru Central University

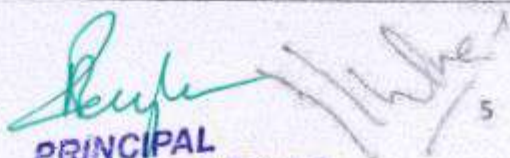
COURSE PATTERN, SCHEME OF EXAMINATION AND CREDITS BA, POLITICAL SCIENCE CHOICE BASED CREDIT SYSTEM

(SEMESTER SCHEME)

Subject	Papers	Instruction hrs Per Week	Duration Of Exam	Marks IA	Marks Exams	Marks Total	Credits
Paper -1	Core Concepts of Political Science	1x5	1x3	1x50	1x100	1x150	1x3
Paper -2	Political Theory	1x5	1x3	1x50	1x100	1x150	1x3
Paper -3.1 Or Paper 3.2	Modern Governments: Government of USA and UK Indian Government & Politics	1x5	1x3	1x50	1x100	1x150	1x3
Paper -4.1 Or Paper 4.2	Political Thought Indian Constitution-processes	1x5	1x3	1x50	1x100	1x150	1x3
Paper -5.1	Public Administration	1x5	1x3	1x50	1x100	1x150	1x3
Paper -5.2	International Politics	1x5	1x3	1x50	1x100	1x150	1x3
Paper -6.1	Advanced Public Administration	1x5	1x3	1x50	1x100	1x150	1x3
Paper -6.2	International Organization and Foreign Policy	1x5	1x3	1x50	1x100	1x150	1x3

Compulsory Paper for all U.G. Courses - Indian Constitution & Human Rights

Subject	Papers	Instruction hrs Per Week	Duration Of Exam	Marks IA	Marks Exams	Marks Total	Credits
Paper	Indian Constitution & Human Rights	1x4	1x3	1x30	1x70	1x100	1x3


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Revised

BENGALURU CENTRAL UNIVERSITY

B.A History (CBCS)

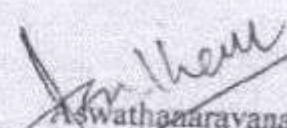
The B.A History Course is a Choice Based Credit System (Semester Scheme) spread over in Six Semesters. The syllabus has been designed keeping in view the vision of BCU. The focus of the course is to make the students understand the Self reflective nature of History, its epistemological bearing and contemporary relevance to situate the present. It also provides the students an opportunity to know the interwoven nature of local, regional, national and global histories. Students are introduced to important the phases of human history, with a firm grounding in Indian history and culture. Significant space has been provided to study the local and regional history.


Another important aspect of the designed syllabus is that it introduces students to the theoretical debates on certain select themes in Indian history, which is quite necessary to build competitiveness among the students.

It is hoped that the syllabus would stimulate a sense of objective understanding of the past and enable them to contextualizing the present. Further, a critical approach to the syllabus will prepare the students for civil services and other examinations.

The titles and detailed content of the papers are given along with this. Extensive reading list has also been provided for each paper.

This syllabus will come into effect from 2019-20 for the students admitted to I semester during the academic year 2019-20 and onwards.


Aswathnarayana
Chairman BOS(B.A History)


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BENGALURU CENTRAL UNIVERSITY

Department of History

B.A Syllabus

Semester – I

Paper –1. History of Ancient India

Semester – II

Paper –2. Early Medieval India 300 CE – 1200 CE

Semester – III

Paper –3. Medieval India 1206 CE – 1707 CE

Semester – IV

Paper – 4 Modern Indian History

Semester – V

Paper 5.1 Modern Europe to 1945 CE (Compulsory paper)

5.2 History of Karnataka up to 1956 CE (Optional paper)

OR

5.3 Women in History (Optional paper)


Semester – VI

Paper 6.1 Bengaluru in Time and Space (Compulsory paper)

6.2 Select Debates in Indian History (Optional)

OR

6.3 Book Review (Optional paper)



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N.R. Colony, Bangalore-560 019.

B.A History (CBCS)

Course pattern, Scheme of Examination and Credits

Subject	Papers		Instruction per week	Duration of Examination	Marks IA	Marks Exam	Total Marks	Credits
Sem I paper I	History of Ancient India		1X5	1X3	1X50	1X100	1X150	1X3
Sem I paper II	Early Medieval India 300CE to 1200		1X5	1X3	1X50	1X100	1X150	1X3
Sem I paper III	Medieval India		1X5	1X3	1X50	1X100	1X150	1X3
Sem I paper IV	Modern Indian History		1X5	1X3	1X50	1X100	1X150	1X3
Sem I paper V	5.1	Modern Europe to 1945 CE	1X5	1X3	1X50	1X100	1X150	1X3
	5.2	History of Karnataka up to 1956 CE (optional)	1X5	1X3	1X50	1X100	1X150	1X3
OR								
	5.3	Women in History (optional)	1X5	1X3	1X50	1X100	1X150	1X3
Sem I paper VI	6.1	Bengaluru in Time and Space	1X5	1X3	1X50	1X100	1X150	1X3
	6.2	Select Debates in Indian History	1X5	1X3	1X50	1X100	1X150	1X3
OR								
	6.3	Book Review (optional)	1X5	1X3	1X50	1X100	1X150	1X3

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Bangalore University

BA Music Syllabus (CBCS)

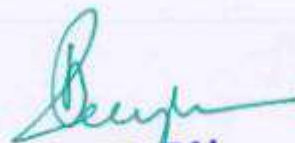
For the year 2014-15

Common for

The Departments of Music

APS College of Arts and Science &

Maharani's college



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N.R. Colony, Bangalore-560 019.

CBCS syllabus pattern

Sl No.	Core subject Music papers	Hours per week	Theory marks IA	Theory Exam marks	Practical marks IA	Practical exam marks	Total Marks	Duration of examination	Credit
1	I BA – Ist Sem	4 + 2 Practicals + Theory	15	35	30	70	150	2 hours	6
2	I BA – 2nd Sem	4 + 2 Practicals + Theory	15	35	30	70	150	2 hours	6
3	II BA – 3 rd Sem	4 + 2 Practicals + Theory	15	35	30	70	150	2 hours	6
4	II BA – 4 th Sem	4 + 2 Practicals + Theory	15	35	30	70	150	2 hours	6
5	III BA – 5 th & 6 th Sem	8+4 Practicals + Theory	30	70	60	140	300	2 hours	12
6	III BA – 7 th & 8 th Sem	8+4 Practicals + Theory	30	70	60	140	300	2 hours	12
7	IV BA – 9 th & 10 th Sem	8+4 Practicals + Theory	30	70	60	140	300	2 hours	12
8	IV BA – 11 th & 12 th Sem	8+4 Practicals + Theory	30	70	60	140	300	2 hours	12
		60 hours							72


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**BENGALURU CENTRAL
UNIVERSITY,
BENGALURU**

**MA Economics Syllabus
(CBCS)**

**With Effect from Academic Year
2018-19 Onwards**


PRINCIPAL
APS College of Arts & Science
N.R. Colony, Bangalore-560 019.

FIRST SEMESTER		
Hard Core		
I	1.1	Advanced Microeconomics I
I	1.2	Advanced Macroeconomics I
I	1.3	Mathematical Methods in Economics
Soft Core		
I	1.4.1	Indian Economics
I	1.4.2	Economic Thought
I	1.4.3	Institutional Economics
I	1.4.4	Regional Economics
SECOND SEMESTER		
II	2.1	Advanced Microeconomics II
II	2.2	Advanced Macroeconomics II
II	2.3	Statistical Methods in Economics
Electives		
II	2.4.1	Agricultural Economics
II	2.4.2	Urban Economics
Open Electives		
II	2.5.1	Indian Economics
THIRD SEMESTER		
III	3.1	Development Economics
III	3.2	International Economics
III	3.3	Econometrics-I
Electives		
III	3.4.1	Industrial Economics
III	3.4.2	Environmental Economics
Open Electives		
III	3.5.1	Globalization and Economy
FOURTH SEMESTER		
IV	4.1	Public Economics
IV	4.2	Econometrics-II
IV	4.3	Project Work
Electives		
IV	4.4.1	Financial Economics
IV	4.4.2	Economics of Infrastructure
IV	4.4.3	Economic Demography
IV	4.4.4	Economics and Law



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