कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

अभ्यासमंडळ विभाग

जा.क्र. कबचौउमवि/२१/प्रथम वर्ष बी.ए-बी.कॉम-बी.एस्सी अभ्यासक्रम ३१७ / २०२१   दि. १५.०६.२०२१

प्रति,

कबचौउमविशी संलग्नीत

सर्व कला, वाणिज्य व विज्ञान महाविद्यालयांचे

मा. प्राचार्य यांना..

विषय :- शैक्षणिक वर्ष २०२१-२२ मध्ये प्रथम वर्ष बी.ए , बी.कॉम आणि बी.एस्सी (पसंतीवर आधारीत श्रेयांक पध्दती) (C.B.C.S) पदवी वर्गांच्या अभ्यासक्रमांमध्ये कोणताही बदल न करता तसेच कायम ठेवण्याबाबत..

महोदय/ महोदया,

आपणास विदीतच आहे की, कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठाने शैक्षणिक वर्ष २०१८-१९ पासून कला, वाणिज्य आणि विज्ञान वर्गांकरीता **पसंतीवर आधारीत श्रेयांक पदध्दती** (C.B.C.S) लागू केली आहे. त्यानंतर शैक्षणिक वर्ष २०२०-२१ मध्ये तृतीय वर्ष कला, वाणिज्य आणि विज्ञान वर्गांचे विद्यार्थी पदवी घेऊन उत्तीर्ण होणार आहे.

या अनुषंगाने, नैसर्गिक रित्या शैक्षणिक वर्ष २०२१-२२ पासून प्रथम वर्ष कला, वाणिज्य आणि विज्ञान अभ्यासक्रम बदलणार होता परंतु शैक्षणिक वर्ष २०२१-२२ मध्ये एम.एस्सी / एम.ए / एम.कॉम भाग -१, एम.बी.ए भाग-१,एम.एम.एस(कॉम्प्यूटर मॅनेजमेंट भाग-१),एम.एम.एस (पर्सनल मॅनेजमेंट भाग-१), एम.बी.ए भाग-१ (इंटीग्रेटेड), एम.एस.डब्ल्यू भाग-१ वर्गांचे अभ्यासक्रम पसंतीवर आधारीत श्रेयांक पदध्दती (C.B.C.S) लागू करण्यात येत आहे.

या शिवाय कोविड-१९ चा प्रादुर्भावामुळे प्रथम वर्ष कला, वाणिज्य आणि विज्ञान अभ्यासक्रम पुनर्रचना पुढच्या वर्षी (शैक्षणिक वर्ष २०२२-२३) करावी अशी शिफारस मा.प्रभारी अधिष्ठाता यांनी एकमताने केली. ही शिफारस दि.२७.०५.२०२१ रोजी झालेल्या मा.विद्या परिषद ऑनलाईन सभेत विचारार्थ ठेवण्यात आली असता सभेत खालीलप्रमाण ठराव करण्यात आला.

ठराव वि.प.ए-५२ /२०२१, दि.२७.०५.२०२१

क.ब.चौ.उ.म.वि. अंतर्गत येणा-या सर्व कला, वाणिज्य आणि विज्ञान महाविद्यालयांसाठी शै.वर्ष २०१८-१९ मध्ये लागू करण्यात आलेला प्रथम वर्ष कला, वाणिज्य आणि विज्ञान वर्गांचा पसंतीवर आधारीत श्रेयांक पदध्दती (C.B.C.S) अभ्यासक्रम हा शैक्षणिक वर्ष २१-२२ करीता जशाचा तसा लागू करण्याबाबत मा.अधिष्ठाता मंडळाने केलेल्या शिफारशींच्या अधिन राहून मान्यता द्यावी, असे सर्वानुमते ठरले.

तेव्हा वरील ठरावाच्या अनुषंगाने, आपल्या निदर्शनास आणून देण्यात येते की, शैक्षणिक वर्ष २०२१-२२ करीता प्रथम वर्ष बी.ए , बी.कॉम आणि बी.एस्सी (पसंतीवर आधारीत श्रेयांक पध्दती) (C.B.C.S) पदवी वर्गांच्या अभ्यासक्रमांमध्ये कोणताही बदल न करता तसेच कायम ठेवण्यात येत आहे.

तरी उपरोक्त बाब, आपल्या महाविद्यालयांतील अधिनिस्थ असलेले अध्यापक, प्राध्यापक तसेच महाविद्यालयाचे कार्यालयीन अधिकारी /कर्मचारी यांच्या निदर्शनास आणून द्यावी ही विनंती.

कळावे.

आपला विश्वासू,

कक्ष अधिकारी

अभ्यास मंडळ व प्रवेश पात्रता विभाग

प्रत माहितीसाठी :१) मा. कुलगुरु कार्यालय, क.ब.चौ.उ.म.वि., जळगाव.

२) मा. प्र-कुलगुरु कार्यालय, क.ब.चौ.उ.म.वि., जळगाव.

३) मा.संचालक, परीक्षा व मुल्यमापन मंडळ, क.ब.चौ.उ.म.वि.,जळगाव.

४) मा.प्र.अधिष्ठाता, विज्ञान व तंत्रज्ञान विद्याशाखा, वाणिज्य व व्यवस्थापन विद्याशाखा, मानव्यविज्ञान विद्याशाखा, क.ब.चौ.उ.म.वि., जळगाव.

५) ई-सुविधा केंद्र, क.ब.चौ.उ.म.वि., जळगाव.

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Faculty of Humanities
Post Graduate Courses
Under Choice Based Credit System (CBCS)
Summary of Distribution of Credits under CBCS for PG
(w. e. f. 2021-2022)

Type of Course	Sem. I	Sem. II	Sem. III	Sem. IV
Core	12	12	12	12
Skill based / Elective	04	04	04	04
Audit	02	02	02	02
Total Credits	18	18	18	18
Total Credits = 72				

Subject Type	Core	Skill based / Elective	Audit	Total Credits
Credits	48	16	08	72

Course Credit Scheme

Sem ester	(A) Core Courses			(B) Skill Based/Elective			(C) Audit Courses (No weight age in CGPA)			Total Credits (A+B+C)
	No. of Cour ses	Credits (T)	Total Credits	No. of Course s	Credits (T)	Total Credit s	No. of Cour ses	Credits (T)	Total Credit s	
I	3	4	12	1	4	4	1	2	2	18
II	3	4	12	1	4	4	1	2	2	18
III	3	4	12	1	4	4	1	2	2	18
IV	3	4	12	1	4	4	1	2	2	18

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List of Audit Courses (Select any ONE course of Choice from Semester II, III & IV)

Semester 1 (Compulsory)		Semester II (Choose ONE) Personality & Cultural Development		Semester III (Choose ONE) Technology + Value Added Course		Semester IV (Choose ONE) Professional and Social + Value Added Course	
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title	Course Code	Course Title
AC 101	Practicing Cleanliness	AC 201 (A)	Soft Skills	AC 301 (A)	Computer Skills	AC 401 (A)	Human Rights
		AC 201 (B)	Sport Activities	AC 301 (B)	Cyber Security	AC 401 (B)	Current Affairs
		AC 201 (C)	Yoga	AC 301 (C)	Related to Concerned PG Subject	AC 401 (C)	Related to Concerned PG Subject
		AC 201 (D)	Music	AC 301 (D)	Related to Concerned PG Subject	AC 401 (D)	Related to Concerned PG Subject

Faculty of Humanities
Post Graduate Courses
Under Choice Based Credit System (CBCS)
Semester-wise Course Structure of M. A. POLITICAL SCIENCE

(W.e.f. A. Y. 2021-2022)

Semester I

Course	Course Type	Course Title	Teaching Hours/ Week			Marks (Total 100)				Credits
			T	P	Total	Internal (CA)		External (UA)		
						T	P	T	P	
POL CC 101	Core		4	--	4	40	--	60	--	4
POL CC 102	Core		4	--	4	40	--	60	--	4
POL CC 103	Core		4	--	4	40	--	60	--	4
POL DSE 104	Skill based / Elective	(A)	4	--	4	40	--	60	--	4
		(B)	4	--	4	40	--	60	--	4
AC 101	Audit Course	Practicing Cleanliness	--	2	2	--	100	--	--	2

Total Credit for Semester I: 18 (T = Theory: 12; Skill Based / Elective: 4; Audit Course: 2)
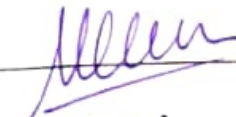
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Semester II

Course	Course Type	Course Title	Teaching Hours/ Week			Marks (Total 100)				Credits
						Internal (CA)		External (UA)		
			T	P	Total	T	P	T	P	
POL CC 201	Core		4	--	4	40	--	60	--	4
POL CC 202	Core		4	--	4	40	--	60	--	4
POL CC 203	Core		4	--	4	40	--	60	--	4
POL DSE 204	Skill based / Elective	(A)	4	--	4	40	--	60	--	4
		(B)	4	--	4	40	--	60	--	4
AC 201/202/203/ 204	Audit Course	Choose one out of Four (AC-201/ AC-202/ AC-203/ AC-204) from Personality and Cultural Development	--	2	2	--	100	--	--	2

Total Credit for Semester II: 18 (T = Theory: 12; Skill Based / Elective: 4; Audit Course: 2)

सूचना

1. सन 2021-22 पासून क.ब.चौ.उ.म.वि., जळगांव अंतर्गत एम.ए. राज्यशास्त्र विषयाला CBCS व सत्र पध्दतीसाठी हा अभ्यासक्रम लागू असणार आहे.

2. प्रथम व द्वितीय सत्रासाठी अनुक्रमे 3,3 पेपर हे 4 क्रडिटचे व Core Course तर प्रथम व द्वितीय सत्राचे Skilled Based/ Elective Course प्रत्येकी 1, 1 पेपर निवडावयाचे आहे. Skilled Based/ Elective Course चा पेपर 4 क्रडिटचा असेल.

3. प्रथम सत्रासाठी विद्यापीठाने नेमून दिलेला एक ऑडिट कोर्स (Audit Course), तर दुस-या सत्रासाठी उपलब्ध 4 पेपरमधून एक पेपर निवडावयाचे आहे. ऑडिट कोर्स 2 क्रडिटचा असणार आहे.

4. ऑडिट कोर्सचा पेपर 100 गुणांचा असेल, संबंधित विषय/पेपरची परिक्षा / Practical महाविद्यालयीन स्तरावर महाविद्यालय घेईल. या कोर्सचे गुण MAच्या एकूण गुणांमध्ये मिळविले जाणार नाहीत. त्याची फक्त ग्रेड राहिल.

5. विद्यापीठाची परिक्षा 60 गुणांची, अंतर्गत परिक्षा 40 गुणांची असेल, त्यासाठी 2 चाचणी (Test) परिक्षा घेण्यात येतील.

6. एम.ए. राज्यशास्त्र, CBCS, सत्र पध्दती प्रश्नपत्रिकेचे स्वरूप खालील तक्त्याप्रमाणे असेल.

प्रश्न क्रमांक	प्रश्नाचे स्वरूप	गुण
प्रश्न क्रमांक 1	कोणत्याही चारांची उत्तरे लिहा (प्र. 8 त्यापैकी कोणते चार)	12
प्रश्न क्रमांक 2	एका प्रश्नाला एक पर्याय (सविस्तर उत्तर)	12
प्रश्न क्रमांक 3	एका प्रश्नाला एक पर्याय (सविस्तर उत्तर)	12
प्रश्न क्रमांक 4	एका प्रश्नाला एक पर्याय (सविस्तर उत्तर)	12
प्रश्न क्रमांक 5	कोणत्याही 2 वर संक्षिप्त टिपण लिहा (4 त्यापैकी कोणते दोन)	12

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Summary of Distribution of Credits under CBCS Pattern Scheme
For
M.A. Economics

Sr.No	Type of course	Sem I	Sem II	Sem III	Sem IV
01	Core	12	12	12	12
02	Skill based/ Elective	04	04	04	04
03	School Elective	-	-	-	-
04	Project	-	-	-	-
05	Audit	02	02	02	02
06	Total Credits	18	18	18	18

Subject Type	Core	Skill Based/ Elective	School Elective	Project	Audit	Total
Credits	48	16	00	00	08	72

Total Credits = 72

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Course credit scheme

Semester	(A) Core Courses			(B) Skill Based / Elective Course			(C) Audit Course (No weightage in CGPA)			Total Credits (A+B+C)
	No. of Courses	Credits (T+P)	Total Credits	No. of Courses	Credits (T+P)	Total Credits	No. of Courses	Credits (Th.)	Total Credits	
I	3	4 + 0	12	1	4 + 0	4	1	2	2	18
II	3	4 + 0	12	1	4 + 0	4	1	2	2	18
III	3	4 + 0	12	1	4 + 0	4	1	2	2	18
IV	3	4 + 0	12	1	4 + 0	4	1	2	2	18
Total Credits	48			16			8			72

(T, Theory; P, Practical)

Structure of Curriculum

		First Year				Second Year				Total Credit Value
		Semester I		Semester II		Semester III		Semester IV		
		Credit	Course	Credit	Course	Credit	Course	Credit	Course	
	Prerequisite and Core Courses									
(A)	Theory	4	3	4	3	4	3	4	3	48
	Practical	0	0	0	0	0	0	0	0	0
(B)	Skill Based / Subject Elective Courses									
1	Theory /Practical	4	1	4	1	4	1	4	1	16
(C)	Audit Course (No weightage in CGPA calculations)									
1	Practicing Cleanliness	2	1							2
2	Personality & and Cultural Development Related Course			2	1					2
3	Technology Related + Value Added Course					2	1			
4	Professional and Social + Value Added Course							2	1	2
	Total Credit Value	18	5	18	5	18	5	18	5	72

List of Audit Courses (Select any ONE course of Choice from Semester II; Semester III and Semester IV)

Semester I (Compulsory)		Semester II (Choose One) Personality and Cultural Development		Semester III (Choose One) Technology + Value Added Course		Semester IV(Choose One) Professional and Social + Value Added Course	
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title	Course Code	Course Title
AC-101	Practicing Cleanliness	AC-201 (A)	Soft Skills	AC-301(A)	Computer Skills	AC-401(A)	Human Rights
		AC-201 (B)	Sport Activities	AC-301(B)	Cyber Security	AC-401 (B)	Current Affairs
		AC-201 (C)	Practicing Yoga	AC-301(C)	Use of SPSS in Social Sciences	AC-401(C)	Economy of Maharashtra
		AC-201 (D)	Introduction to Indian Music	AC-301(D)	Application of E-Learning	AC-401(D)	Economy of Khandesh Region

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Semester-wise Course Structure of M. A. 1 Economics (w.e.f. A Y 2021-2022)

Semester I

Course Code	Course Type	Title of the Course	Contact Hour/ Week	Distribution of Marks for Examination				Total	Credits
				Internal		External			
				Th.	Pr.	Th.	Pr.		
PG-ECO- 101	Core	Advanced Macroeconomic Analysis–I	04	40	--	60	--	100	04
PG-ECO- 102	Core	Public Finance-I	04	40	--	60	--	100	04
PG-ECO -103	Core	Statistics -I	04	40	--	60	--	100	04
PG-ECO -104	Skill Based/ Elective	Choose one of the following A. Agricultural Economics-I B. Industrial Economics C. Environment Economics	04	40	--	60	--	100	04
PG-AC- 101	Audit Course	Practical Cleanliness	02	--	100	--	--	100	02
Total Credit for Semester I: 18 (T = Theory: 04; P = Practical: 0; Skill Based: 4; Audit Course:2)									

Semester II

Course Code	Course Type	Title of the Course	Contact Hour/ Week	Distribution of Marks for Examination				Total	Credits
				Internal		External			
				Th.	Pr.	Th.	Pr.		
PG-ECO-201	Core	Advanced Macroeconomic Analysis –II	04	40	--	60	--	100	04
PG-ECO -202	Core	Public Finance-II	04	40	--	60	--	100	04
PG-ECO -203	Core	Statistics –II	04	40	--	60	--	100	04
PG-ECO -204	Skill Based/ Elective	Choose one of the following A. Agricultural Economics-II B. Rural Development C. Demographic Economics	04	40	--	60	--	100	04
PG-AC- 201	Elective Audit Course	Choose one out of Four AC-201 (A/B/C/D)	02	100	--	--	--	100	02
Total Credit for Semester I: 18 (T = Theory: 04; P = Practical: 0; Skill Based: 4; Audit Course:2)									

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Semester-wise Course Structure of M.A. II Economics (w.e.f. A Y 2022-2023)

Semester III

Course Code	Course Type	Title of the Course	Contact Hour/ Week	Distribution of Marks for Examination					Credits
				Internal		External		Total	
				Th.	Pr.	Th.	Pr.		
PG-ECO -301	Core	Monetary Economics-I	04	40	--	60	--	100	04
PG-ECO -302	Core	Economics Development and Growth-I	04	40	--	60	--	100	04
PG-ECO -303	Core	International Economics-I	04	40	--	60	--	100	04
PG-ECO -304	Skill Based/ Elective	**Choose one of the following** A. Econometrics-I B. Research Methodology for Economics C. Principles of banking and finance D. Urban Economics	04	40	--	60	--	100	04
PG-AC- 301	Audit Course	Choose one out of Four AC-301 (A/B/C/D)	02	100	--	--	--	100	02

Total Credit for Semester I: 18 (T = Theory: 04; P = Practical: 0; Skill Based: 4; Audit Course:2)

Semester IV

Course Code	Course Type	Title of the Course	Contact Hour/ Week	Distribution of Marks for Examination					Credits
				Internal		External		Total	
				Th.	Pr.	Th.	Pr.		
PG-ECO -401	Core	Monetary Economics-II	04	40	--	60	--	100	04
PG-ECO -402	Core	Economics Development and Growth-II	04	40	--	60	--	100	04
PG-ECO -403	Core	International Economics-II	04	40	--	60	--	100	04
PG-ECO -404	Skill Based/ Elective	**Choose one of the following** A. Econometrics-II B. Research Methodology for Economics-II With Project C. Indian financial market D. Labour Economics	04	40	--	60	--	100	04
PG-AC- 401	Audit Course	Choose one out of Four AC-401 (A/B/C/D)	02	100	--	--	--	100	02

Total Credit for Semester I: 18 (T = Theory: 04; P = Practical: 0; Skill Based: 4; Audit Course:2)

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Faculty of Humanities
Post Graduate Courses
Under Choice Based Credit System (CBCS)
Summary of Distribution of Credits under CBCS for PG
(w. e. f. 2021-2022)

Type of Course	Sem. I	Sem. II	Sem. III	Sem. IV
Core	12	12	12	12
Skill based / Elective	04	04	04	04
Audit	02	02	02	02
Total Credits	18	18	18	18
Total Credits = 72				

Subject Type	Core	Skill based / Elective	Audit	Total Credits
Credits	48	16	08	72

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Course credit scheme

Semester	(A) Core Courses			(B) Skill Based / Elective Course			(C) Audit Course (No weight age in CGPA)			Total Credits (A+B+C)
	No. of Courses	Credits (T/P)	Total Credits	No. of Courses	Credits (T/P)	Total Credits	No. of Courses	Credits (P)	Total Credits	
I	3	4	12	1	4	4	1	2	2	18
II	3	4	12	1	4	4	1	2	2	18
III	3	4	12	1	4	4	1	2	2	18
IV	3	4	12	2	4	4	1	2	2	18

List of Audit Courses (Select any ONE course of Choice from Semester II; Semester III and Semester IV)

Semester I (Compulsory)		Semester II (Choose One) Personality and Cultural Development		Semester III (Choose One) Technology + Value Added Course		Semester IV (Choose One) Professional and Social + Value Added Course	
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title	Course Code	Course Title
		AC-201 (A)	Soft Skills	AC-301(A)	Computer Skills	AC-401(A)	Human Rights
		AC-201 (B)	Sport Activities	AC-301(B)	Cyber Security	AC-401 (B)	Current Affairs
AC-101	Practicing Cleanliness	AC-201 (C)	Yoga	AC-301(C)	Related to concerned PG subject	AC-401(C)	Related to concerned PG subject
		AC-201 (D)	Music	AC-301(D)	Related to concerned PG subject	AC-401(D)	Related to concerned PG subject

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Faculty of Humanities
Post Graduate Courses
Under Choice Based Credit System (CBCS)

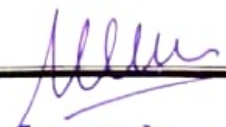### Semester-wise Course Structure of M. A. English *(w.e.f. 2021)*

Semester I

Course	Course Type		Course Title	Teaching Hours/Week			Marks (Total 100)				Credits
							Internal		External		
				T	P	Total	T	P	T	P	
PG-ENG-101	Core			4	--	4	40	--	60	--	4
PG-ENG-102	Core			4	--	4	40	--	60	--	4
PG-ENG-103	Core			4	--	4	40	--	60	--	4
PG-ENG-DSE-104	A	Elective		4	--	4	40	--	60	--	4
	B	Skill		4	--	4	40	--	60	--	4
AC-101	Audit Course		Practicing Cleanliness	--	2	2	--	100	--	--	2

Total Credit for Semester I: 18 (T = Theory: 12; Skill Based/Elective: 4; Audit Course: 2)

Semester II

Course	Course Type		Course Title	Teaching Hours/Week			Marks (Total 100)				Credits
							Internal		External		
				T	P	Total	T	P	T	P	
PG-ENG-201	Core			4	--	4	40	--	60	--	4
PG-ENG-202	Core			4	--	4	40	--	60	--	4
PG-ENG-203	Core			4	--	4	40	--	60	--	4
PG-ENG-DSE-204	A	Elective		4	--	4	40	--	60	--	4
	B	Skill		4	--	4	40	--	60	--	4
AC-201/202/203/204	Audit Course		Choose one out of Four (AC-201/ AC-202/AC-203/AC-204) from Personality and Cultural Development	--	2	2	--	100	--	--	2

Total Credit for Semester II: 18 (T = Theory: 12; Skill/Elective Based: 4; Audit course: 2)

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Post Graduate Courses
Under Choice Based Credit System (CBCS)
Summary of Distribution of Credits under CBCS for PG
(w. e. f. 2021-2022)

Type of Course	Sem. I	Sem. II	Sem. III	Sem. IV
Core	12	12	12	12
Skill based / Elective	04	04	04	04
Audit	02	02	02	02
Total Credits	18	18	18	18
Total Credits = 72				
Subject Type	Core	Skill based / Elective	Audit	Total Credits
Credits	48	16	08	72

Course Credit Scheme

Semester	(A) Core Courses			(B) Skill Based/Elective			(C) Audit Courses (No weight age in CGPA)			Total Credits (A+B+C)
	No. of Courses	Credits (T)	Total Credits	No. of Courses	Credits (T)	Total Credits	No. of Courses	Credits (T)	Total Credits	
I	3	4	12	1	4	4	1	2	2	18
II	3	4	12	1	4	4	1	2	2	18
III	3	4	12	1	4	4	1	2	2	18
IV	3	4	12	1	4	4	1	2	2	18

List of Audit Courses (Select any ONE course of Choice from Semester II, III & IV)

Semester I (Compulsory)		Semester II (Choose ONE) Personality & Cultural Development		Semester III (Choose ONE) Technology + Value Added Course		Semester IV (Choose ONE) Professional and Social + Value Added Course	
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title	Course Code	Course Title
AC 101	Practicing Cleanliness	AC 201 (A)	Soft Skills	AC 301 (A)	Computer Skills	AC 401 (A)	Human Rights
		AC 201 (B)	Practicing Sport Activities	AC 301 (B)	Cyber Security	AC 401 (B)	Current Affairs
		AC 201 (C)	Practicing Yoga	AC 301 (C)	Related to Concerned PG Subject	AC 401 (C)	Related to Concerned PG Subject
		AC 201 (D)	Introduction of Indian Music	AC 301 (D)	Related to Concerned PG Subject	AC 401 (D)	Related to Concerned PG Subject

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Post Graduate Courses
Under Choice Based Credit System (CBCS)

Semester-wise Course Structure of M. A. MARATHI
(w.e.f. A. Y. 2021-2022)

Semester I

Course	Course Type	Course Title	Teaching Hours/ Week			Marks (Total 100)				Credits
						Internal (CA)		External (UA)		
			T	P	Total	T	P	T	P	
PG MAR 101	Core	वाङ्मयीन कालखंडांचा अभ्यास (मध्ययुगीन कालखंड)	4	--	4	40	--	60	--	4
PG MAR 102	Core	साहित्यसमीक्षा: सिद्धांत	4	--	4	40	--	60	--	4
PG MAR 103	Core	आधुनिक गद्य वाङ्मयप्रकार — कथा	4	--	4	40	--	60	--	4
PG MAR 104	Skill based / Elective	(A) विशिष्ट लेखकाचा अभ्यास — महात्मा जोतिबा फुले	4	--	4	40	--	60	--	4
		(B) आधुनिक माध्यमे आणि लेखनव्यवहार	4	--	4	40	--	60	--	4
PG AC 101	Audit Course	Compulsory								
	PG AC 101	Practicing Cleanliness	--	2	2	--	100	--	--	2

Total Credit for Semester I: 18 (T = Theory: 12; Skill Based / Elective: 4; Audit Course: 2)

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Semester II

Course	Course Type	Course Title	Teaching Hours/Week			Marks (Total 100)				Credits
						Internal (CA)		External (UA)		
			T	P	Total	T	P	T	P	
PG MAR 201	Core	वाङ्मयीन कालखंडांचा अभ्यास (अर्वाचीन व आधुनिक कालखंड)	4	--	4	40	--	60	--	4
PG MAR 202	Core	साहित्यसमीक्षा: उपयोजन	4	--	4	40	--	60	--	4
PG MAR 203	Core	आधुनिक गद्य वाङ्मयप्रकार – कादंबरी	4	--	4	40	--	60	--	4
PG MAR 204	Skill based / Elective	(A) लिंगभाव आणि मराठी साहित्य	4	--	4	40	--	60	--	4
		(B) मराठी: अनुवाद आणि संगणक उपयोजन	4	--	4	40	--	60	--	4
PG AC 201 (A) / (B) / (C) /(D)	Audit Course	Choose one out of Four Courses from Personality and Cultural Development	--	2	2	--	100	--	--	2
	PG AC 201 (A)	Soft Skills								
	PG AC 201 (B)	Practicing Sport Activities								
	PG AC 201 (C)	Practicing Yoga								
	PG AC 201 (D)	Introduction of Indian Music								

Total Credit for Semester II: 18 (T = Theory: 12; Skill Based / Elective: 4; Audit Course: 2)

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Affiliated Colleges
Syllabus under CBCS for Master of Science in Computer Science [M.Sc. (Computer Science)]
Course Structure (w.e.f. 2021-22)

COURSE STRUCTURE WITH CREDIT

Semester-I

Course Code	Course Type	Title of the Course	Contact Hours/Week			Distribution of Marks for Examination						Credits
						Internal		External		Total		
			Th(L)	Pr	Total	Th	Pr	Th	Pr	Th	Pr	
CS-101	Core	Database Management System (DBMS)	04	-	04	40	-	60	-	100	-	04
CS-102	Core	Automata Theory and Computability	04	-	04	40	-	60	-	100	-	04
CS-103	Core	Operating Systems	04	-	04	40	-	60	-	100	-	04
CS-104	Skill Based	Object Oriented Programming using JAVA	04	-	04	40	-	60	-	100	-	04
CS LAB-I	Core	LAB on JAVA programming	-	04	04	-	40	-	60	-	100	04
CS LAB-II	Core	LAB on DBMS	-	04	04	-	40	-	60	-	100	04
AC-101	Audit Course	Practicing Cleanliness	-	02	02	-	100	-	-	-	100	02

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Semester-II

Course Code	Course Type	Title of the Course	Contact Hours/Week			Distribution of Marks for Examination						Credits
						Internal		External		Total		
			Th(L)	Pr	Total	Th	Pr	Th	Pr	Th	Pr	
CS-201	Core	Compiler Construction	04	-	04	40	-	60	-	100	-	04
CS-202	Core	Artificial Intelligence	04	-	04	40	-	60	-	100	-	04
CS-203	Core	Design and Analysis of Algorithms	04	-	04	40	-	60	-	100	-	04
CS-204	Skill Based	Python Programming	04	-	04	40	-	60	-	100	-	04
CS LAB-III	Core	LAB on Design and Analysis of Algorithms (DAA)	-	04	04	-	40	-	60	-	100	04
CS LAB-IV	Core	LAB on Python Programming	-	04	04	-	40	-	60	-	100	04
AC- 201 (A)/(B)/(C)/(D)	Elective Audit Course	Choose one out of four (AC-201(A)/(B)/(C)/(D)) (Personality and Cultural Development Related)	-	02	02	-	100	-	-	-	100	02

List of Elective Audit Courses to be offered in Semester-II:

AC-201 (A) : Soft Skills   AC-201 (B) : Practicing Sports Activities

AC-201 (C) : Practicing Yoga   AC-201 (D) : Introduction to Indian Music

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Semester-III

Course Code	Course Type	Title of the Course	Contact Hours/Week			Distribution of Marks for Examination						Credits
						Internal		External		Total		
			Th(L)	Pr	Total	Th	Pr	Th	Pr	Th	Pr	
CS-301	Core	Web Application Development Technology	04	-	04	40	-	60	-	100	-	04
CS-302	Core	Digital Image Processing	04	-	04	40	-	60	-	100	-	04
CS-303	Core	Software Engineering	04	-	04	40	-	60	-	100	-	04
CS-304(A)/(B)/ (C)	Elective	Choose one from CS-304(A), CS-304(B) and CS-304(C)	04	-	04	40	-	60	-	100	-	04
CS LAB-V	Core	LAB on Web Application Development Technology	-	04	04	-	40	-	60	-	100	04
CS LAB-VI	Core	LAB on Digital Image Processing	-	04	04	-	40	-	60	-	100	04
AC-301 (A)/(B)/(C)/(D)	Elective Audit Course	Choose one out of four (AC-301 (A)/(B)/(C)/(D)) (Technology + Value added course)	-	02	02	-	100	-	-	-	100	02

List of Elective Courses to be offered in Semester-III:

CS-304(A): Big Data Analytics   CS-304(B): Windows WCF and WPF Programming   CS-304(C): Web Analytics

List of Elective Audit Courses to be offered in Semester-III:

AC-301 (A) : Computer Skills   AC-301 (B) : Cyber Security

AC-301 (C) : Linux (Spoken Tutorial Course)   AC-301 (D) : Advance C++ (Spoken Tutorial Course)

Note: Syllabus for Spoken Tutorial Courses AC-301 (C)/(D) is available at https://spoken-tutorial.org developed at IIT Bombay for MHRD, Government of India.

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Semester IV

Course Code	Course Type	Title of the Course	Contact Hours/Week			Distribution of Marks for Examination						Credits
						Internal		External		Total		
			Th(L)	Pr	Total	Th	Pr	Th	Pr	Th	Pr	
CS-401	Core	Natural Language Processing	04	-	04	40	-	60	-	100	-	04
CS-402	Core	Data Warehousing and Data Mining (DWDM)	04	-	04	40	-	60	-	100	-	04
CS-403(A)/(B)/ (C)	Elective	Choose one from CS-403(A), CS-403(B) and CS-403(C)	04	-	04	40	-	60	-	100	-	04
CS LAB-VII	Core	Data Warehousing and Data Mining (DWDM)	-	04	04	-	40	-	60	-	100	04
AC-401 (A)/(B)/(C)/(D)	Elective Audit Course	Choose one out of four (AC-401 (A)/(B)/(C)/(D)) (Technology + Value added course)	-	02	02	-	100	-	-	-	100	02
Mini Project	Core	Mini Project									200	06

List of Elective Courses to be offered in Semester-IV:

CS-403(A) Optimization of Algorithm   CS-403(B) Machine Learning   CS-403(C) Advanced Network Programming

List of Elective Audit Courses to be offered in Semester-VI:

AC-401 (A) : Human Rights

AC-401 (B) : Current Affairs   or Research Methodology

AC-401 (C) : Seminar plus Review

AC-401 (D) : Intellectual Property Rights(IPR)

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Summary of Distribution of Credits under CBCS Scheme for M.Sc. Zoology

Sr. No	Type of course	Sem I	Sem II	Sem III	Sem IV
01	Core	16	16	16	12
02	Skill based	04	04	-	-
03	Elective	-	-	04	04
04	Project	-	-	-	04
05	Audit	02	02	02	02
06	Total Credits	22	22	22	22

Subject Type	Core	Skill based	School Elective	Project	Audit	Total
Credits	60	08	08	04	08	88

Total Credits = 88

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KBC North Maharashtra University Jalgaon
M. Sc. Zoology
Choice Based Credit System (Outcome Based Curriculum) with effect from 2021 -2022
Course credit scheme

Semester	(A) Core Courses			(B) Skill Based / Elective Course			(C) Audit Course (No weightage in CGPA)			Total Credits (A+B+C)
	No. of Courses	Credits (T+P)	Total Credits	No. of Courses	Credits (T+P)	Total Credits	No. of Courses	Credits (Practical)	Total Credits	
I	4	8 + 8	16	1	4 + 0	4	1	2	2	22
II	4	12 + 4	16	1	4 + 0	4	1	2	2	22
III	4	8 + 8	16	1	4 + 0	4	1	2	2	22
IV	4	8 + 8	16	1	4 + 0	4	1	2	2	22
Total Credits	64			16			8			88

(T= Theory; P=Practical)

Structure of Curriculum

		First Year				Second Year				Total Credit Value
		Semester I		Semester II		Semester III		Semester IV		
		Credit	Course	Credit	Course	Credit	Course	Credit	Course	
		Prerequisite and Core Courses								
(A)	Theory	4	2	4	3	4	2	4	2	36
	Practical	4	2	4	1	4	2	4	2	28
(B)	Skill Based / Subject Elective Courses									
1	Theory /Practical	4	1	4	1	4	1	4	1	16
(C)	Audit Course (No weightage in CGPA calculations)									
1	Practicing Cleanliness	2	1	--	--	--	--	--	--	2
2	Personality and Cultural Development Related Course	--	--	2	1	--	--	--	--	2
3	Technology Related + Value Added Course	--	--	--	--	2	1	--	--	--
4	Professional and Social + Value Added Course	--	--	--	--	--	--	2	1	2
	Total Credit Value	14	6	14	6	14	6	14	6	88

List of Audit Courses (Select any ONE course of Choice from Semester II; Semester III and Semester IV)

Semester I (Compulsory)		Semester II (Choose One) Personality and Cultural Development		Semester III (Choose One) Technology + Value Added Course		Semester IV(Choose One) Professional and Social + Value Added Course	
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title	Course Code	Course Title
AC-101	Practicing Cleanliness	AC-201A	Soft Skills	AC-301A	Computer Skills	AC-401A	Human Rights
		AC-201B	Sport Activities	AC-301B	Cyber Security	AC-401B	Current Affairs
		AC-201C	Yoga	AC-301C	Seminar + Review Writing	AC-401C	Seminar + Review Writing
		AC-201D	Music	AC-301D	Biostatistics	AC-401D	Intellectual Property Rights (IPR)

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Semester-wise Course Structure of M.Sc. Zoology

Semester I

Course	Course Type	Course Title	Teaching Hours/ Week			Marks (Total 100)				Credits
						Internal		External		
			T	P	Total	T	P	T	P	
Zoo-101	Core	Structure and Functional Anatomy of Invertebrates	4	--	4	40	--	60	--	4
Zoo-102	Core	Cellular organization and Developmental Biology	4	--	4	40	--	60	--	4
Zoo-103	Core	Practical I	--	4+4	8	--	40	--	60	4
Zoo-104	Core	Practical II	--	4+4	8	--	40	--	60	4
Zoo-105	Skill Based	Goatery	4	--	4	40	--	60	--	4
Zoo AC-101	Audit Course	Practicing Cleanliness	--	2	2	--	100	--	--	2

Total Credit for Semester I: 22 (T = Theory: 8; P = Practical:8; Skill Based:4; Audit Course:2)

Semester II

Course	Course Type	Course Title	Teaching Hours/ Week			Marks (Total 100)				Credits
						Internal		External		
			T	P	Total	T	P	T	P	
Zoo-201	Core	Structure and Functional Anatomy of Vertebrates	4	--	4	40	--	60	--	4
Zoo-202	Core	Biochemistry	4	--	4	40	--	60	--	4
Zoo-203	Core	Tools and Techniques in Biology	4	--	4	40	--	60	--	4
Zoo-204	Core	Practical I	--	4+4	8	--	40	--	60	4
Zoo-205	Skill Based	Aquaculture & Ecology	4+4	--	8	40	--	60	--	4
Zoo AC-201 A/B/C/D	Audit Course	Choose one out of Four (AC-201A/ AC-201B/AC-201C/AC-201D) from Personality and Cultural Development	--	2	2	--	100	--	--	2

Total Credit for Semester II: 22 (T = Theory: 12; P = Practical:4; Skill Based:4; Audit course:2)

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Semester III (wef Academic year 2022-23)

Course	Course Type	Course Title	Teaching Hours/ Week			Marks (Total 100)				Credits
						Internal		External		
			T	P	Total	T	P	T	P	
Zoo-301	Core (Any one from A,B,C&D)	A)Animal Physiology I B)Reproductive Physiology I C)Entomology I D)Helminthology I	4	--	4	40	--	60	--	4
Zoo-302	Core	Enzymology and Immunology	4	--	4	40	--	60	--	4
Zoo-303	Core	Practical I	--	4+4	8	--	40	--	60	4
Zoo-304	Core	Practical II	--	4+4	8	--	40	--	60	4
Zoo-305	Elective (Select any one)	(A)Animal behaviour (B) Forensic Zoology (C) Endocrinology	4	--	4	40	--	60	--	4
Zoo AC-301 A/B/C/D	Audit Course	Choose one out of Four (AC-301A/ AC-301B/AC-301C/AC-301D) from Technology + Value Added Courses	--	2	2		100	--	--	2

Total Credit for Semester III: 22 (T = Theory: 8; P = Practical: 8; Skill Based: 4; Audit Course: 2)

Semester IV (wef Academic year 2022-23)

Course	Course Type	Course Title	Teaching Hours/ Week			Marks (Total 100)				Credits
						Internal		External		
			T	P	Total	T	P	T	P	
Zoo-401	Core (Any one from A,B,C& D)	A) Animal Physiology II B) Reproductive Physiology II C) Entomology II D) Helminthology II	4	--	4	40	--	60	--	4
Zoo-402	Core	Molecular Biology	4	--	4	40	--	60	--	4
Zoo-403	Core	Practical I (corresponds to 401 and 402)	--	4+4	8	--	40	--	60	4
Zoo-404	Core	Project	--	4+4	8	--	40	--	60	4
Zoo-405	Elective (Select any one)	(A)Zoogeography (B)Writing & presenting scientific research paper (C)Computational Biology	4	--	4	40	--	60	--	4
Zoo AC-401 A/B/C/D	Audit Course	Choose one out of Four (AC-401A/ AC-401B/ AC-401C/ AC-401D) from Professional and Social + Value Added Courses	--	2	2		100	--	--	2

Total Credit for Semester IV: 22 (T = Theory: 8; P = Practical: 8; Skill Based: 4; Audit Course: 2)

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