

**NEW
SYLLABUS**

FOR

M.B.A. (Environment Management)

Faculty of Commerce & Management – Under CBCS System

(To be implemented from Academic Year 2021-22)



DEPARTMENT OF ENVIRONMENT MANAGEMENT

**CHH. SHAHU INSTITUTE OF BUSINESS EDUCATION
AND RESEARCH (CSIBER),**

(AN AUTONOMOUS INSTITUTE)

UNIVERSITY ROAD, KOLHAPUR 416 004 (M.S), INDIA

2021

REVISED STRUCTURE OF M. B. A. (ENVIRONMENT MANAGEMENT) PROGRAMME WITH DUAL SPECIALIZATION

The M. B. A. (Environment Management) Programme is of Two-year duration and is divided into Four semesters. Semester I, II will be taught in the First Year of the programme and Semester III & IV during the Second Year of the programme. Student can opt any one of the following specializations along with Environment i.e. Agri-Business, Finance, Human Resource, Marketing, Production and Systems.

Objectives:

The specific objectives of programme are:

1. To infuse environmental concepts in all the functional area of business management
2. To provide in-depth knowledge to the students in respect of current business and environmental problems faced by human society and to develop scientific attitude among students based on interdisciplinary approach to enable them to take holistic view in planning and decision-making.
3. To develop managerial competence among students in managing environmental development programs initiated by the Government.
4. To provide students a typical problem-oriented situations in environmental protection, development and management.
5. To inculcate modern concept of Green Industry to the students for sustainable development.

Eligibility:

Candidates should have passed graduation under 10+2+3 pattern from the recognized University.

Intake: 60

Admission process:

Student will be admitted purely on merit basis through DTE-CET / ATMA / C-MAT .

Reservation:

Reservation for special categories such as SC, ST, NT, OBC, etc. will be as per the Government of Maharashtra, AICTE and other statutory bodies.

Duration:

The degree of **M. B. A. (Environment Management)** is a full time course and its duration is of **Two Years**. The course consists of four semesters. The examination to be held in the First, Second semester will be called Part – I (First Year) and the examination to be held in the third and fourth semester will be called Part – II (Second Year).

If a candidate fails to clear all the theory papers and project report within four years of his/her registration, the past performance will stand automatically nullified.

If a candidate discontinues any of the terms (i. e. semester – I to IV) on any account, he/she will be allowed to complete the in-completed terms in the subsequent years subject to the condition that it is within the stipulated time duration of **Six** years.

In addition to the above, once a student's term (semester) is granted, he/she shall be allowed to appear and pass in any of the subsequent examinations held, provided the examinations are within the stipulated period of **Six** years.

In case the term (semester) is not granted the student has to seek fresh admission in the next year and complete the term and pass the examination. This too within **Six** years of his/her registration.

Course Completion with Break in Between:

A student who has passed M. B. A. – I and is seeking admission to M. B. A. – II after a long gap (Provided the gap lies within the stipulated duration of **Six** years) should complete the course syllabus which is in existence at the time he has sought the admission for the academic year.

Award of degree : After successful completion of four semesters of MBA(Environment Management) mark list ledgers will be forwarded to the Shivaji University for the award of degree.

CBCS PATTERN:

MBA (Environment Management) under CBCS pattern carry certain number of credits. Credits normally represent the weightage of a course and are a function of teaching, learning and evaluation strategies such as number of contact hours, the course content, teaching methodology, learning expectations, etc. The credits are based on the number of instructional hours per week, generally 1 credit per one hour of instruction in theory and 1 credit for 2 hours of practical/project work/Field work/internship.

General features of the Choice Based Credit System are :

- a) The MBA (Environment) programme is structured in CBCS Pattern

- b) The Programme consists of Compulsory Core (CC), Discipline Specific Electives (DSE), Generic Electives (GE) and Ability Enhancement Compulsory Courses (AEC). The core papers deal with the specific discipline and the other papers deal with inter and intra disciplinary nature including soft skill aspects.
- c) The relative importance of subjects of study is quantified in terms of credits.
- d) The choice based courses may be offered within the faculty and/or across the faculty.
- e) The curricula should be unitized giving equal weightage in terms of contact hours and marks.
- f) Well defined model outline of question paper consisting of Long answers, brief answer and short notes.
- g) The evaluation will be on Continuous Internal Assessment (CIA) and End Semester Assessment (ESA). The final results shall be declared after integration of CIA and ESA.
- h) The declaration of result is based on the grade point average (GPA) earned towards the end of each semester and the Cumulative Grade Point Average (CGPA) earned towards the end of the program.
- i) Under the CBCS, students have option to choose courses from other departments as well.

Outline of Choice Based Credit System:

1. **Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.
 - 1.1 **Summer Inplant Project:** An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher / faculty member is called Summer Inplant Project.
2. **Elective Course:** Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.
 - 2.1 **Discipline Specific Elective (DSE) Course:** Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).
 - 2.2 **Generic Elective (GE) Course:** An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.
3. **Ability Enhancement Courses (AEC):** The Ability Enhancement (AEC) Courses are designed that leads to Knowledge enhancement in functional areas; such as Managerial communication at work, foreign languages, skill development for career management and advanced MS- Excel. These

courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.

Credit Pattern:

Every course offered will have three components associated with the teaching-learning process of the course, namely.

Lecture – L, Tutorial- T, Practice - P,

Where,

L stands **Lecture session**.

T stands **Tutorial session** consisting participatory discussion / self study/ desk work/ brief seminar presentations by students and such other novel methods that make a student to absorb and assimilate more effectively the contents delivered in the Lecture classes.

P stands **Practice session** on MOODLE , E – Library and it consists of Hands on experience / Laboratory Experiments / Field Studies / Industrial visits/ Case studies that equip students to acquire the much required skill component.

In terms of credits, every one hour session of L amounts to 1 credit per semester and a minimum of two hour session of T or P amounts to 1 credit per semester, over a period of one semester of 16 weeks for teaching-learning process. The total duration of a semester is 20 weeks inclusive of semester-end examination.

MBA (Environment Management) consists of all the three components with weightage depending upon the paper.

The total credits earned by a student at the end of the semester upon successfully completing the course are L + T + P. The credit pattern of the course is indicated as L: T: P.

If a course is of 4 credits then the different credit distribution patterns in L : T : P format could be :

Theory Papers 3 : 0.5 : 0.5

Practicals : 1 : 0 : 3.0

Field Work : 0: 0: 4.0

If a course is of 2 credits then the different credit distribution patterns in L : T : P format could be :

Theory Papers 1.5 : 0.25 : 0.25

Practicals : 0.5 : 0 : 1.50

Field Work : 0: 0: 2.0

Teaching programme for each Semester shall consist of:

- a) Theory Lectures: There will be 60 contact hours / paper / semester for four credits ; @ 4 lectures/paper/week and 30 contact hours / paper / semester @ 2 lectures /paper / week , for two credits. Each lecture is of the duration of 60 minutes and
- b) Practicals: 1 practical / week. Each practical is of the duration of 3 clock hours, number of students in batches should not exceed 15.

Credit Grade Based Performance Assessment System (CGPA) :

I. ASSESSMENT:

Taking into consideration the UGC and AICTE requirements, CSIBER has adopted “Credit Grade Based Performance Assessment System” (CGPA). Each paper is of 100 marks and contact hours for each paper is 60. One credit is allotted to 15 contact hours. All papers are considered as Full credit papers i.e. **Four** credits are allotted to each paper. Practical of 50 marks are considered as half credit i.e. Two credit is allotted to each practical.

1. For the paper of 100 marks. The distribution of the marks for theory, practical and project work will be as follows –
 - i) Internal Marks i.e. Concurrent evaluation - 40 Marks
 - ii) External Marks i.e. End Semester examination - 60 marks
2. For the paper of 50 marks. The distribution of the marks will be as follows –
 - i) Internal Marks i.e. Concurrent evaluation - 20 Marks
 - ii) External Marks i.e. End Semester examination - 30 marks
3. SIP project Evaluation:
 - i) Internal Marks i.e. Concurrent evaluation - 40 Marks
 - ii) External Marks i.e. End Semester examination - 60 marks

External marks will be given at the time of viva by external and internal and average marks will be calculated out of 60.

Breakup of Internal Marks i.e. Concurrent evaluation

Sr. No	Head	Marks 40	Marks 20
1.	Class Participation	10	5
2.	Field Based Project	10	5
3.	MOODLE Test	10	5
4.	Library Based Assignment	10	5
	Total	40	20

The Internal Marks assessed by the teachers be shown to the students and their signature will be obtained.

The assessment of papers will be done by an Internal and External examiner. A difference of more than **20%** in the marks awarded by these examiners would necessitate the valuation of the paper by Third examiner. The '**nearest highest**' marks will be considered for determining the average mark of such papers.

3. Once the Student passes in the internal marks (Concurrent evaluation out of 40) and the record is submitted to the examination department, it should be carried forward whenever required and it cannot be improve in any case.
4. Students who fail in the internal marks (Concurrent evaluation out of 40) should reappear for the same, then only the revised marks will be considered for further calculation.

Assessment of AEC Courses

AEC Courses will be assessed as follows :

- i) Internal Marks i.e concurrent evaluation - 20 Marks
- ii) External Marks - 30 Marks
- External Marks (out of 30) will be given on the basis of Viva or presentation by panel consisting of one internal and one external member.

The Internal Marks assessed by the teachers be shown to the students and their signature will be obtained.

II. STANDARD OF PASSING:

1. In order to pass in a paper/head, a candidate will have to obtain 50% in the internal marks (Concurrent evaluation), 40% marks in theory, and a minimum of 50% of the marks in aggregate in each paper head.
2. To pass the M.B.A. examination, a candidate will have to pass in all Four Semester in Two Parts i.e. Part – I (Semester – I & II) and Part – II (Semester – III & IV).
3. A candidate from the first year M.B.A. will be eligible to proceed to the Semester III, if he/she is not having more than **5 (Five)** papers backlog of the First Year (that is Semester – I & II).
5. A candidate will be permitted to proceed to the second Semester even though he/she fails in one or more subjects of the first Semester.
6. The students who have a backlog of not more than **five papers** in the First year (Sem. I & II) examination will be eligible to be admitted to the Second year (IIIrd Semester) of M.B.A(Environment Management)

7. A candidate will be permitted to proceed to the Fourth Semester even though he/she fails in one or more subjects in third Semester.
8. Semester Performance Index (SPI) will be as follows:

III. Grading System:

There shall be numerical marking for each course, which will be placed into credits. Each subject is classified as a major or minor. The major and minor subjects will be given 2 and 1 credits respectively.

a. Full Credit 100 Marks

Grade Table for Semester Examination			
Marks Obtained	Letter Grade	Grade Point	Description of Performance
96-100	S+	10.0	SUPER
91-95	S	9.0	
86-90	E+	8.5	Exemplary
81-85	E	8.0	
76-80	O+	7.5	Outstanding
71-75	O	7.0	
66-70	A+	6.5	Good
61-65	A	6.0	
56-60	B+	5.5	Average
50-55	B	5.0	
--	X	0.0	Defaulter
--	XX	---	Incomplete

b. Half Credit 50 Marks

Grade Table for Semester Examination			
Marks Obtained	Letter Grade	Grade Point	Description of Performance
48-50	S+	10.0	SUPER
46-47	S	9.0	
43-45	E+	8.5	Exemplary
41-42	E	8.0	
38-40	O+	7.5	Outstanding
36-37	O	7.0	
33-35	A+	6.5	Good
31-32	A	6.0	
28-30	B+	5.5	Average
25-27	B	5.0	
--	X	0.0	Defaulter
--	XX	---	Incomplete

c) Final Result: For the final result of the student Cumulative Performance Index (CPI) based on total earned credits vis-à-vis total earned grade points shall be calculated will be as follows.

Total earned grade points / Total credits 100

Result		
CPI	Final Grade	Classification of Final Result.
9.6-10.0	S+	SUPER
9.1-9.5	S	
8.6-9.0	E+	Exemplary
8.1-8.5	E	
7.6-8.0	O+	Outstanding
7.1-7.5	O	
6.6-7.0	A+	Good
6.1-6.5	A	
5.6-6.0	B+	Average
5.0-5.5	B	

Note: An aggregate of **5.0** credit points are required to pass the MBA program

IV. CALCULATION OF PERFORMANCE INDICES:

A distinction of the performance of one student from the other student is rather impossible to carry out from the grades obtained by a student in all the courses taken by him in a Semester/year. Hence, the evaluation of various courses is cumulated in two performance

indices termed as Semester performance index (SPI) and cumulative performance index (CPI) the explanation of which is given below:

Semester Performance Index (SPI):

The performance of a student in a Semester is indicated by a number called Semester Performance Index (SPI). SPI is the weighted average of all the grade points obtained by him in all the courses registered during the Semester r . If G_i is a grade with numerical equivalent as G_i obtained by a student for the course with credit C_i then, SPI for that Semester is calculated using formula.

$$SPI = \frac{\sum C_i G_i}{\sum_1 C_i}$$

Where summation is for all the courses registered by a student in that Semester. SPI is calculated to two decimal places and rounded off. SPI once calculated shall be modified. Generally, for the students failed in regular examinations SPI is calculated only after the declaration of re-examination grades.

Cumulative Performance Index (CPI):

An up-to-date assessment of the overall performance of a student from the first Semester till completion of the programme is obtained by calculating an index called as Cumulative Performance Index (CPI). The CPI is weighted average of the grade points obtained in all the courses registered by a student since the first Semester of the programme.

$$CPI = \frac{\sum C_i G_i}{\sum_1 C_i}$$

Besides SPI, CPI is also calculated at the end of every semester upto two decimal places and is rounded off. It is necessary to ensure that one course appears only once in calculation of CPI and the denominator in above equation does not exceed the total number of credits registered by him.

Initially there is certain trepidation in the minds of students and there are some difficulties in understanding the mechanics of this system. Therefore, it was decided that for the first year of implementation, on the mark sheets, both, the marks and the grade points and credits should be shown.

V. GRACE MARKS UNDER DIFFERENT ORDINANCE.

S.O. No. 1:-Grace Marks for Passing in each head of Passing (Theory/Practical/ Oral/ Sectional/External/Internal).

The Examinee shall be given the benefit of grace marks only for passing in each head of Passing (Theory/Practical/Oral/Sectional/ in External/ Internal examination as follows.

Head of Passing	Grace Marks
00-50	2
051-100	3
101-150	4
151-200	5
201-250	6
251-300	7
301-350	8
351-400	9
401 and above.	10

Provided that the benefit of such gracing marks in different heads of passing shall not exceed 1% of the aggregate marks in that examination.

Provided further that the benefit of gracing of Marks under this Ordinance shall be applicable only if the candidate passes the entire examination of Semester/year.

Provided further that this gracing is concurrent with the rules and guidelines of Professional statutory bodies at the All India level such as AICTE, MCI, Bar Council, CCIM,CCIII. NCTE, UGC etc.

S.O. No. 2:- Grace Marks for getting higher Class

A Candidate who passes in all the subjects and heads of passing in the examination without the benefit of either gracing or condonation rules and whose total number of Marks falls short for securing Higher Class or Grade by marks not more than 1% of the aggregate marks of that examination or upto 10 marks, whichever is less, shall be given the required marks to get the next higher class of grade as the case may be.

Provided that benefits of above mentioned grace marks shall not be given, if the candidate fails to secure necessary passing marks in the aggregate head of passing also, if prescribed in the examination concerned.

Provided further that the benefits of above mentioned grace marks shall be given to the candidate for such examination/s only for which provision of award of class has been prescribed. Provided further that this gracing is concurrent with the rules and guidelines of Professional statutory bodies at the All India level such as AICTE, MCI, Bar Council, CCIM, CCIII. NCTE, UGC etc.

S.O. No. 3 Condonation

If a candidate fails in one or more head of passing, having passed in all other heads of passing, his/her deficiency of marks in such head of passing may be condoned by not more than 1% at the aggregate marks of that examination or 10 marks of the total Number of marks of that of passing in which he/she is failing whichever is less. However condonation, whether in one head of passing or aggregate head of passing be restricted to maximum upto 10 marks only.

Condonation of deficiency of marks be shown in the statement of Marks in the form of asterisk and Ordinance number.

Provided further that this gracing is concurrent with the rules and guidelines of professional statutory bodies at the All India level such as AICTE, MCI, Bar Council, CCIM, CCIII. NCTE, UGC etc.

NEW

CBCS Structure of MBA (Environment Management) (Implemented from 2021-22) M. B. A. - I Year

Semester – I

Nature of Choice Base	Choice Code	Name of the Subject	Total Credits	L:T:P	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC101	Introduction to Ecology and Natural Resources	4	3:0.5:0.5	60	40	60	100
	CC 102	Air and Noise Pollution	4	3:0.5:0.5	60	40	60	100
	CC103	Forest and Wildlife Management	4	3:0.5:0.5	60	40	60	100
	CC104	Practical – I	4	1:0:3	60	40	60	100
	CC 105	Organizational Behavior and Human Resource Management	4	3:0.5:0.5	60	40	60	100
	CC106	Marketing Management	4	3:0.5:0.5	60	40	60	100
Discipline Specific Elective (DSE)	DSE101 (Any One)	DSE-101-A: Service Sector Management DSE-101-B: Family Business Management DSE-101- C: Information Technology for Managers	4	3:0.5:0.5	60	40	60	100
Ability Enhancement Compulsory Courses (AECC)	AECC 101	AECC- 101-: Communication Skill	2	1.5:0.25:0.25	30	20	30	50
		Total Credits	30		450	300	450	750

Semester – II

Nature of Choice Base	Subject Code	Name of the Subject	Full Credits	L:T:P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 201	Water Pollution	4	3:0.5:0.5	60	40	60	100
	CC 202	Environmental Engineering and Design	4	3:0.5:0.5	60	40	60	100
	CC 203	Practical - II	4	1:0:3	60	40	60	100
	CC 204	Accounting for Managerial Decisions	4	3:0.5:0.5	60	40	60	100
	CC 205	Business statistics for Environment	4	3:0.5:0.5	60	40	60	100
	CC 206	Legal Frame work of Business	2	1.5:0.25:0.25	30	20	30	50
	CC 207	Research Methodology	2	1.5:0.25:0.25	30	20	30	50
Discipline Specific Elective (DSE)	DSE 201 (Any One)	DSE-201-A: Environmental Microbiology & Biotechnology DSE-201-B: Energy Resource Management & Environmental Toxicology DSE-201-C: Disaster Management	4	3:1:0	60	40	60	100
Generic Elective Course (GE)	GE 201 (Any one elective paper from other department courses)	GE-201-A: Fundamentals of Accounting GE-201-B: Management Information System (MIS) GE-201-C: Social Welfare Administration GE-201-D: Principles of Microeconomics GE 201-E : Environment and Development	2	1:5:0.25:0.25	30	20	30	50
Ability Enhancement Courses (AEC)	AEC 201	Foreign Languages : AEC-201-A: German AEC-201-B: Japanese AEC-201-C: French	2	1.5:0.25:0.25	30	20	30	50
		Total Credits	32		480	320	480	800

CBCS Structure of MBA (Environment Management)
(Implemented from 2021-22)
M. B. A. - II Year

Semester – III

Nature of Choice Base	Subject Code	Name of the Subject	Full Credits	L:T:P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 301	Corporate Environmental Strategies	4	3:0.5:0.5	60	40	60	100
	CC 302	EIA and Environmental Management System	4	3:0.5:0.5	60	40	60	100
	CC 303	Practical - III	4	1:0:3	60	40	60	100
	CC 304	Summer In plant Project	4	--	(50days training)	40	60	100
	CC 305 (Specializations)	Any One CC-Spl-I-305-A: International Trade and Finance CC-Spl-I-305-B: Employee Relations and Labour Laws CC-Spl-305-C: Buying Behaviour CC-Spl-I-305-D: Logistics and Supply Chain Management CC-Spl-I-305-E: Agri-Business, Entrepreneurship and Cooperatives CC-Spl-I-305-F: Knowledge Management and ERP System	4	3:0.5:0.5	60	40	60	100
Discipline Specific Elective (DSE)	DSE 301 (Specializations)	Any One DSE-Spl-II-301-A: Direct and Indirect Taxes DSE-Spl-II-301-B: Strategic and International Human Resource Management	4	3:0.5:0.5	60	40	60	100

		DSE-Spl-II-301-C: Marketing Sectors DSE-Spl-II-301-D: Purchasing and Inventory Management DSE-Spl-II-301-E: Rural and Agriculture Marketing DSE-Spl-II-301-F: Information System Audit and Control						
Generic Elective (GE)	GE 301 (Any one elective paper from other department courses)	GE-301-A: Entrepreneurship Development GE-301-B: E- Commerce GE-301-C: Fundamentals of Counseling GE-301-D: Fundamentals of Macroeconomics GE 301-E : Disaster Management	2	1.5:0.25:0.25	30	20	30	50
Ability Enhancement Courses (AEC)	AEC 301	AEC 301-A : Environment Legislation AEC 301-B : Remote Sensing and GIS	2	1.5:0.25:0.25	30	20	30	50
		Total Credits	28		420	280	420	700

Semester – IV

Nature of Choice Base	Subject Code	Name of the Subject	Full Credits	L:T:P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses CC	CC 401	Land and Water Management	4	3:0.5:0.5	60	40	60	100
	CC 402	Management of Industrial and Civic Wastes	4	3:0.5:0.5	60	40	60	100
	CC 403	Strategic Management	4	3:0.5:0.5	60	40	60	100
	CC404	Business Ethics and Corporate Governance	4	3:0.5:0.5	60	40	60	100
	CC 405 (Specialization)	Any one CC-Spl-I-404-A: Management Accounting and Control System CC-Spl-I-404-B: Performance and compensation Management CC-Spl-I-404-C: Sales and Distribution Management CC-Spl-I-404-D: Modern Approaches to Quality Management CC-Spl-I-404-E: Agri Production and Supply chain Management CC-Spl-I-404-F: Applied Data Science and Business Analytics using R	4	3:0.5:0.5	60	40	60	100
Discipline Specific Elective (DSE)	DSE 401	Any One DSE-Spl-II-401-A: Investment and Portfolio Management DSE-Spl-II-401-B: Talent and Human Capital Management DSE-Spl-II-401-C: Integrated Marketing Communication	4	3:0.5:0.5	60	40	60	100

		DSE-Spli-II-401-D: Project Management DSE-Spl-II-401-E: Agri Commodity Markets and Agri Business DSE-Spl-II-401-F: Software Engineering and I. T. Project Management						
Ability Enhancement Compulsory Courses (AECC)	AECC 401	AECC-401- Employability Skill.	2	1.5:0.25:0.25	30	20	30	50
		Total Credits	26		390	260	390	650

Note : 1. L stands for lectures, T for tutorial and P for practice
2. Average Contact hours per semester are 435 contact hours.

Semesters	Core Credits	DSE	AECC	AEC	GE	Total Credits	Contact Hours	Total marks
I	6 x 4 = 24	1 x 4= 4	1 x 2=2			30	450	750
II	5x 4 = 20 2 x 2 = 4	1 x 4= 4		1 x 2=2	1 x 2= 2	32	480	800
III	5 x 4 = 20	1 x 4= 4		1 x 2=2	1 x 2= 2	28	420	700
IV	4x 4 = 16 2 x 2 = 4	1x 4= 4	1 x 2=2			26	390	650
Total	88	16	4	4	4	116	1740	2900
Percentage	75.86	13.79	3.44	3.44	3.44	99.97		