



**Shivaji University, Kolhapur.**

**Master of Architecture(CBCS)**

**Rules, Regulation & Structure**

( To be implemented from academic year 2019-2020)

# Shivaji University, Kolhapur

## STRUCTURE

### ARCHITECTURAL CONTRUCTION AND PROJECT MANGEMENT

( To be implemented from academic year 2019-2020)

#### SUMMARY OF TEACHING AND EXAMINATION SCHEME:

Course	Subject	TEACHING SCHEME						EXAMINATION SCHEME (marks)								
		THEORY			STUDIO											
		CREDISTS	No. of Lectures	Hours	CREDISTS	No. of Studios.	Hours	Paper	Min.	Hours	Sessional	Min.	Viva	Minimum.	Total	Total Credits
<b>Semester I</b>																
PC 101	Advanced Construction Technology-I	2	2	2	2	2	2	100	45	3	50	25	-	-	150	04
PC 102	Research Methodology	1	1	1	2	2	2	-	-	-	50	25	-	-	50	03
PC 103	* Project Management – I	3	3	3	3	3	3	100	45	3	100	50	100	45	300	06
PAEC 104	Information Technology in Management	2	2	2	1	1	1	-	-	-	50	25	-	-	50	03
BS&AE 105	* Services Management -I	2	2	2	2	2	2	100	45	3	50	25	50	23	200	04
PC 106	Operation Research	2	2	2	1	2	2	100	45	3	100	50	-	-	200	03
		<b>12</b>	<b>12</b>	<b>12</b>	<b>11</b>	<b>12</b>	<b>12</b>	<b>400</b>			<b>400</b>		<b>150</b>		<b>950</b>	<b>23</b>
<b>Semester II</b>																
PC 201	Advanced Construction Technology – II	2	2	2	2	2	2	100	45		50	25	-	-	150	04
PC 202	*Project Management – II	3	3	3	3	3	3	100	45		100	50	100	45	300	06
PAEC 203	Business Development & Project Marketing	2	2	2	-	-	-	-	-		50	25	-	-	50	02
PE 204	Integrated Energy Conservation in Construction.	2	2	2	2	2	2	100	45		50	25	-	-	150	04
BS&AE 205	*Services Management -II	2	2	2	2	2	2	100	45		50	25	50	23	200	04
PC 206	Dissertation Stage – I	1	1	1	3	3	3	-	-		100	50	-	-	100	03
		<b>12</b>	<b>12</b>	<b>12</b>	<b>11</b>	<b>12</b>	<b>12</b>	<b>400</b>			<b>400</b>		<b>150</b>		<b>950</b>	<b>23</b>

**Semester III**

PC 301	*Project Management – III	2	2	2	4	4	4	100	45	3	100	50	100	45	300	06
BS&AE 302	Laws & Legal Aspects in Project Management.	2	2	2	2	2	2	100	45	3	50	25	-	-	150	04
PAEC 303	Real Estate Management.	2	2	2	-	-	-	-	-	-	50	25	50	23	100	02
PE 01 304	Quality & Safety Management.	2	2	2	-	-	-	-	-	-	50	25	50	23	100	02
PC 305	Project Finance Management.	2	2	2	2	2	2	100	45	3	50	25	-	-	150	04
SEC 306	Elective – I	2	2	2	1	1	1	-	-	-	50	25	50	23	100	03
SEC 307	Elective – II ( Practical Training)	-	-	-	3	-	-	-	-	-	100	50	-	-	100	03
		12	12	12	12	9	09	300			450		250		1000	24

**Semester IV**

PC 401	Dissertation Stage – II	2	2	2	6	6	6	-	-	-	250	125	250	113	500	10
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The Weightage in terms of Credits are as per Council of Architecture

\*Theory paper & External Viva – combined passing

\*\* Practical training is to be undertaken and completed during the vacation after Sem II

PC = Professional Core Courses

BS & AE = Building Science and Applied Engineering

PAEC = Professional Ability Enhancement Courses

PE = Professional Electives

SEC = Skill Enhancement Courses

# Shivaji University, Kolhapur.

## Structure

### (GENERAL ARCHITECTURE)

( To be implemented from academic year 2019-2020)

#### SUMMARY OF TEACHING AND EXAMINATION SCHEME:

Course	Subject	TEACHING SCHEME						EXAMINATION SCHEME (marks)								
		THEORY			STUDIO											
		CREDITS	No. of Lectures	Hours	CREDITS	No. of Studios.	Hours	Paper	Min.	Hours	Sessional	Min.	Viva	Minimum.	Total	Total Credits
<b>Semester I</b>																
MAGT101	Contemporary Architecture.	3	3	3	-	-	-	100	45	3	50	25	-	-	150	03
MAGT102	Mass Housing.	3	3	3	-	-	-	100	45	3	50	25	-	-	150	03
MAGT103	Urban Design	3	3	3	-	-	-	100	45	3	50	25	-	-	150	03
MAGE104	Elective – I Vernacular Architecture	3	3	3	-	-	-	-	-	-	150	75	-	-	150	03
MAGS105	Landscape Design	2	2	6	2	4	4	-	-	-	50	25	100	45	150	04
MAGS106	Advanced Architectural Design Studio-I	2	2	2	5	10	10	-	-	-	150	75	150	68	300	07
		<b>16</b>	<b>16</b>	<b>20</b>	<b>7</b>	<b>14</b>	<b>14</b>	<b>300</b>			<b>500</b>		<b>250</b>		<b>1050</b>	<b>23</b>
<b>Semester II</b>																
MAGT201	Research Methodologies in Architecture	3	3	3	-	-	0-	100	45	3	50	25	-	-	150	03
MAGT202	Human Habitat studies & Planning Theory	3	3	3	-	-	-	100	45	3	50	25	-	-	150	03
MAGT203	Urban Infrastructure development & Environmental laws.	3	3	3	-	-	-	100	45	3	50	25	-	-	150	03
MAGE204	Elective – II Sustainable Architecture	3	3	3	-	-	-	-	-	-	150	75	-	-	150	03
MAGS205	Heritage conservation & Documentation	2	2	6	2	4	4	-	-	-	50	25	100	45	150	04
MAGS206	Advanced Architectural Design Studio-II	2	2	2	5	10	10	-	-	-	150	75	150	68	300	07

		16	16	20	7	14	14	300			500		250		1050	23
Course	Subject	TEACHING SCHEME						EXAMINATION SCHEME (marks)								
		THEORY			STUDIO											
		CREDITS	No. of Lectures	Hours	CREDITS	No. of Studios	Hours	Paper	Min.	Hours	Sessional	Min.	Viva	Minimum.	Total	Total Credits
Semester III																
MAGT301	Finance & Real estate Management	3	3	3	-	-	-	100	45	3	50	25	-	-	150	03
MAGT302	Architecture Legalities & Practice.	3	3	3	-	-	-	100	45	3	50	25	-	-	150	03
MAGT303	Advanced Services in High Rise Buildings	3	3	3	-	-	-	100	45	3	50	25	-	-	150	03
MAGE304	Elective – III Traffic & Transportation Planning	3	3	3	-	-	-	-	-	-	150	75	-	-	150	03
MAGS305	M-arch Dissertation Stage- I	2	2	6	2	4	4	-	-	-	50	25	100	45	150	04
MAGS306	Advanced Architectural Design Studio- III	2	2	2	5	10	10	-	-	-	150	75	150	68	300	07
MAGTR307	Practical Training	-	-	-	-	-	-	-	-	-	50	25	-	-	50	01
		16	16	20	7	14	14	300			550		250		1100	24
Semester IV																
MAGS401	Dissertation Stage – II	4	4	4	6	12	12	-	-	-	250	125	250	113	500	10
		4	4	4	6	12	12				250		250		500	10
The Weightage in terms of Credits are as per Council of Architecture *Theory paper & External Viva – combined passing ** Practical training is to be undertaken and completed during the vacation after Sem II																

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## MASTER OF ARCHITECTURE (M.ARCH.) (CBCS)

### RULES and REGULATIONS.

Sr. No	Rules and Regulations.
<b>R. M. Arch (CBCS ) 1</b>	The teaching and Examination scheme shall be according to the Structure and Syllabi Prescribed, subject to revision, modification, etc. as made by the Academic Council from time to time on the recommendations of the Board of Studies of Architecture.
<b>R. M. Arch (CBCS ) 2</b>	<p>i) The M. Arch program shall be of Two years with Four semesters. The Examination shall be conducted semester wise as per prescribed structure and the result shall be declared year wise.</p> <p>ii) There shall be separate heads of passing as per the prescribed structure.</p> <ol style="list-style-type: none"> <li>a) Theory- Minimum passing marks 45%.</li> <li>b) Sessional work- Minimum passing marks 50%.</li> <li>c) Viva (oral) - Minimum passing marks 45%.</li> </ol> <p>iii) The candidate will be permitted to appear for the examinations at the end of each semester only if he/she</p> <ol style="list-style-type: none"> <li>a) keeps term at a college affiliated to the university and produces testimonials from the Principal for, <ul style="list-style-type: none"> <li>• 75% attendance in each head of passing of Theory and / or Sessional work as prescribed in the structure.</li> <li>• Satisfactory completion of the Sessional Work prescribed for all subjects and secured at least 50% marks in the Sessional Assessment.</li> </ul> </li> </ol>
<b>R. M. Arch (CBCS ) 3</b>	<p>i) The Sessional work of all semesters, shall be continuously assessed by the Internal Teacher during each semester.</p> <p>ii) The schedule for submission of assignments and marking scheme shall be displayed and informed to the students by the subject teachers.</p>
<b>R. M. Arch (CBCS ) 4</b>	iii) The Viva (Oral) Assessment will be done by a panel of Internal Examiner and External Examiner appointed by the university at the end of each semester one week before commencement of theory examination.
<b>R. M. Arch (CBCS ) 5</b>	<p>i) When term-work in any subject is assessed the marks will be carried over to subsequent examination, unless the candidate rejoins an affiliated college as a regular student in the corresponding semester and chooses to submit fresh term work.</p> <p>ii) A candidate whose marks are thus carried over is eligible for award of class.</p>
<b>R. M. Arch (CBCS ) 6</b>	<b>Standard of Passing.</b>

	<p>i) To pass in each semester Examination a candidate must obtain minimum 45% marks in theory paper and Viva (Oral) exam in each passing head.</p> <p>ii) Aggregate of Sem I and Sem II of a particular year shall be considered as a separate head of passing for the result of that concerned year and minimum marks for passing shall be 50%.</p> <p>iii) a 10 point grading system with corresponding letter grades and percentage of marks as given below is followed.</p> <p>The SGPA shall be calculated for semester wise and CGPA shall be calculated at the end of all semesters.</p> <p>For calculation of CGPA, a formulae given in guidelines shall be used.</p> <p><b><u>Calculation of SGPA &amp; CGPA</u></b></p> <p>1. Semester Grade Point Average (SGPA)</p> $\text{SGPA} = \frac{\sum (\text{Course credits} \times \text{Grade points obtained}) \text{ of a Semester}}{\sum (\text{Course credits}) \text{ of respective Semester}}$ <p>2. Cumulative Grade Point Average (CGPA)</p> $\text{CGPA} = \frac{\sum (\text{Total credits of a Semester} \times \text{SGPA of respective Semester}) \text{ of all semesters}}{\sum (\text{Total course credits}) \text{ of all Semesters}}$																																						
	<table><tr><th>Marks</th><th>NumericalGrade (Grade Point)</th><th>CGPA</th><th>Letter Grade</th></tr><tr><td>Absent</td><td>0 (zero)</td><td>-</td><td>-</td></tr><tr><td>0 – 44</td><td>0 (zero)</td><td>0.0 – 4.99</td><td>F (Fail)</td></tr><tr><td>45 – 49</td><td>5</td><td>5.00 – 5.49</td><td>C</td></tr><tr><td>50 – 59</td><td>6</td><td>5.50 – 6.49</td><td>B</td></tr><tr><td>60 – 69</td><td>7</td><td>6.50 – 7.49</td><td>B+</td></tr><tr><td>70 – 79</td><td>8</td><td>7.50 – 8.49</td><td>A</td></tr><tr><td>80 – 89</td><td>9</td><td>8.50 – 9.49</td><td>A+</td></tr><tr><td>90 – 100</td><td>10</td><td>9.50 – 10.0</td><td>O (Outstanding)</td></tr></table>	Marks	NumericalGrade (Grade Point)	CGPA	Letter Grade	Absent	0 (zero)	-	-	0 – 44	0 (zero)	0.0 – 4.99	F (Fail)	45 – 49	5	5.00 – 5.49	C	50 – 59	6	5.50 – 6.49	B	60 – 69	7	6.50 – 7.49	B+	70 – 79	8	7.50 – 8.49	A	80 – 89	9	8.50 – 9.49	A+	90 – 100	10	9.50 – 10.0	O (Outstanding)		
Marks	NumericalGrade (Grade Point)	CGPA	Letter Grade																																				
Absent	0 (zero)	-	-																																				
0 – 44	0 (zero)	0.0 – 4.99	F (Fail)																																				
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50 – 59	6	5.50 – 6.49	B																																				
60 – 69	7	6.50 – 7.49	B+																																				
70 – 79	8	7.50 – 8.49	A																																				
80 – 89	9	8.50 – 9.49	A+																																				
90 – 100	10	9.50 – 10.0	O (Outstanding)																																				
	<p>a) Candidate should have secured a CGPA 5.00 or more but less than 6.50 in examination will be declared to have passed the examination in second class.</p> <p>b) Candidate should have secured a CGPA 6.50 or more but less than 7.50 in examination will be declared to have passed in First class.</p> <p>c) Candidate should have secured a CGPA of not less than 7.50 in examination will be declared to have passed in First class with distinction.</p> <p>d) Marks obtained <math>\geq 0.5</math> shall be rounded off to next higher digit.</p> <p>e) The SGPA and CGPA shall be considered upto 2 decimal points only.</p>																																						
<b>R. M. Arch (CBCS ) 7</b>	<p>a) In case a candidate fails to less than 50% aggregate marks in a semester examination, he /she will be allowed, at his option to re-appear for only those heads of passing in which he/she has got less than 60% marks, at his subsequent examination. His / Her Previous performance in such a case should be treated as null and void.</p> <p>b) The marks obtained by candidate in any head of passing at any Semester Examination will be carried forward unless the candidate reappears for that head of passing in accordance with (a) above. A candidate whose marks are thus carried over is eligible for class.</p>																																						

	<p>c) A candidate failing in any sessional work examination of the semester will be detained and will not be allowed to appear for the Theory and Viva (Oral) Examination of that semester. The candidate will have to rejoin as a regular student of the corresponding semester. Such candidate will be eligible for award of class.</p> <p>d) When a candidate wishes to reappear for the final dissertation examination due to unsatisfactory performance, he/ she will have to resubmit the dissertation with suitable modification and must also reappear for the Viva (Oral) Examination on it.</p>
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