

**SAVITRIBAI PHULE PUNE UNIVERSITY**

**SYLLABUS FOR**

**MASTER IN ARCHITECTURE  
M.ARCH (CONSTRUCTION MANAGEMENT)**

**(To be implemented w.e.f. A.Y. 2017-18)**

**BOARD OF STUDIES IN ARCHITECTURE**

**FACULTY OF ENGINEERING**

## **PREAMBLE**

The course focuses on the fundamentals of construction management giving insight into the management, construction techniques and legal issues related to construction industry with a focus on buildings. Area of study includes site construction and management, construction documentation, Project management, Safety management and Construction related laws regulations and codes. With the growing role of the Architect as a coordinator between the design, site and other agencies involved in the construction industry, this course aptly provides opportunity to equip the architect giving specialized knowledge in construction management in contemporary times.

The aim is to help the student acquire knowledge and skills that can be used to in construction industry and be a versatile leader of a successful construction team.

### **Salient features:**

Construction management deals with Coordination, Planning and control of a project from setting up to completion. An architect project manager can help to fulfil clients' requirements and to produce a functionally optimized and monetarily viable project. An Architect is a person associated with client from day one and also is in coordination with the entire team, the process becomes more efficient if the construction manager/Project manager is an Architect, i.e. planning, directing and budgeting of a project. Therefore there are vast opportunities for an Architect as a Construction manager in public and private sector companies.

**RULES & COURSE STRUCTURE**  
**MASTER OF ARCHITECTURE, M.Arch. (Construction Management)**

**RULE NO. 1 : ELIGIBILITY CRITERIA**

A student seeking admission to Master of Architecture Course must have secured minimum 50% marks in aggregate in a Bachelor of Architecture degree course or equivalent courses recognized by the apex body. Admissions shall be made as per the rules and regulations prescribed by the competent admission authority from time to time.

**RULE NO. 2 : SCHEME OF ASSESSMENT:**

A candidate, to be eligible for the Master's Degree in Architecture, will be required to appear for and pass examinations as under

1. First Year M. Arch: SEM I AND SEM II
2. Second Year M. Arch. : SEM III AND SEM IV

University will declare combined result of

- SEM I + SEM II at the end of First Year and
- SEM III + SEM IV at the end of Second Year

<b>Credit Structure for M. Arch (Construction Management)</b>					
<b>Course Work</b>	<b>Semester I</b>	<b>Semester II</b>	<b>Semester III</b>	<b>Semester IV</b>	<b>Total</b>
Core Courses	17	17	17	-	<b>51</b>
Elective Courses	2	2	-	-	<b>4</b>
Lab Courses+ Supportive Courses	6	3	8		<b>17</b>
Seminar	-	3	-	5	<b>8</b>
Project Work	-	-	-	20	<b>20</b>
Total	25	25	25	25	<b>100</b>

**RULE NO. 3 : GRANTING OF TERM**

Academic year will consist of TWO SEMESTERS of 90 teaching days each. Sessional work/ assignments prepared by the students shall be continuously assessed by the Internal Teacher throughout the semester.

The candidate will be permitted to appear for the examinations at the end of each semester only if he/she keeps term at a college affiliated to the university and produces testimonials from the Principal for

1. 75% attendance in each head of passing of Theory and /or Sessional work as prescribed by the University.
2. Satisfactory completion of the Sessional Work prescribed for each subject and secured at least 50 % marks in the Internal Assessment for the same.
3. Good conduct.

**RULE NO.4 : EXAMINATIONS**

At each examinations Theory Paper, Sessional and Sessional and viva – voce based on Sessional Work, as prescribed in the syllabus for the Examination at the end of each semester, shall constitute separate heads of passing.

#### **RULE NO. 5 : SESSIONAL WORK ASSESSMENT:**

In respect of Sessional work in First, Second, Third and Fourth semesters, target date shall be fixed for the completion of each assignment. All assignments shall be continuously assessed by the Internal Teacher during each semester.

b) For the First, Second, and Third Semester examinations, Sessional and Viva assessment will be done by an External Examiner, who is external to the college i.e. teacher from college other than one, whose students are being examined.

c) For Fourth Semester examination, external assessment shall be carried out by a professional not teaching in any of the Colleges under University of Pune.

d) An examiner for any of the subjects of examination shall have a minimum of 5 years of teaching / professional experience in his/her specific field of study.

#### **RULE NO. 6: PRE REQUISITES AND RULES OF A.T.K.T. FOR ADMISSION TO HIGHER CLASSES**

This course has been considered as an integrated one and students will be allowed to take admission to second, third and fourth semesters irrespective of number of subjects in which they are failing.

#### **RULE NO. 7 : CRITERIA FOR PASSING**

To pass the First and Second Year Examination, a candidate must obtain minimum 50 % marks in each paper, 50% in Sessional/Viva voce and 50% in aggregate.

#### **RULE NO. 8 : GRADING SYSTEM**

##### **Assessment and Grade Point Average**

##### **R-8.1 Marks/Grade/Grade Point**

A grade is assigned based on the total marks obtained by a student in all the heads of examination of the course. These grades, their equivalent grade points are given in Table 3.

The guidelines for conversion of marks to grades are given below.

<b>Grade</b>	<b>Grade</b>	<b>Percentage of</b>	<b>Remarks</b>
O	10	90-100	Outstanding
A	9	80-89	Very Good
B	8	70-79	Good
C	7	60-69	Fair
D	6	50-59	Average
E	0	Below 50	Fail

##### **R-8.2 Passing Grade**

The grades **O, A, B, C, D**, are passing grades. A candidate acquiring any one of these grades in a course shall be declared as pass. And student shall earn the credits for a course only if the student gets passing grade in that course.

### R-8.3 E Grade

The grade E shall be treated as a failure grade. The student with E grade will have to pass the concerned course by re-appearing for the examination. The student with E grade for any stage of the Project Work will have to carry out additional work/ improvement as suggested by the examiners and re-appear for the examination.

### Rule No. 9. PERFORMANCE INDICES:

#### R-9.1 SGPA

The performance of a student in a semester is indicated by a number called the Semester Grade Point Average (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses, seminars and projects registered by the student during the semester.

(i) Semester Grade Point Average (SGPA) =

$$SGPA = \frac{\sum_{i=1}^p C_i G_i}{\sum_{i=1}^p C_i}$$

$$SGPA = \frac{\sum \text{Grade Points Earned} \times \text{Credits for each course}}{\text{Total Credits}}$$

For Example: suppose in a given semester a student has registered for five courses having credits C1, C2, C3, C4, C5 and his / her grade points in those courses are G1, G2, G3, G4, G5 respectively. Then students

$$SGPA = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4 + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

SGPA is calculated up to two decimal places by rounding off.

#### R-9.2 CGPA

The CGPA is the weighted average of the grade points obtained in all the courses, seminars and projects registered by the student since student is admitted to the college. It is calculated in the same manner as the SGPA.

**R-9.3** In case of a student clearing a failed course or improvement, the earlier grade would be replaced by the new grade in calculation of the SGPA and CGPA.

### Rule No. 10. RESULT:

**R-10.1** Based on the performance of the student in the semester examinations, the University of Pune will declare the results and issue the Semester Grade sheets.

The University will issue a Degree Certificate and the final grade sheet of Semester I, II, III & IV, to the student, who is otherwise eligible for the award of Degree of Master of Architecture.

**R-10.2** The class shall be awarded to a student on the CGPA calculated based on all the four semesters. The award of the class shall be as per Table 4.

<b>Sr. No.</b>	<b>CGPA</b>	<b>Class of the Degree awarded</b>
1	7.75 or More than 7.75	First Class with Distinction
2	6.75 or more but less than 7.75	First Class
3	6.25 or more but less than 6.75	Higher Second Class
4	5.5 or more but less than 6.25	Second Class

**RULE NO. 11 : EXEMPTIONS AND SUPPLEMENTARY EXAMINATION**

In case a candidate fails and desires to appear again,

- a) He/she will be exempted from appearing in the head/s of passing in which he/she has passed.
- b) A candidate will have to appear for the examination of backlog subjects along with the examination of current semester.

**RULE NO. 12 : OTHER RULES:**

University/ affiliated colleges may frame additional rules and regulations or modify these regulations if required, and once approved by the University, they would be binding on the students.

For Approval from Faculty