

No. 191

SHIVAJI UNIVERSITY, KOLHAPUR



**Examination in the Faculty of Engineering and Technology
for the
Degree of "Bachelor of Architecture"**

FIVE-YEAR DEGREE COURSE

**Introduced from the Academic Year
1996-97**

(Subject to the Modification that will be made from time to time)



Price : Rs. 50-00

Shivaji University, Kolhapur

FIVE YEAR BACHELOR OF ARCHITECTURE COURSE

INTRODUCTION

This syllabus is prepared with a view to establish a good overall base for Architecture as a profession. The student is also introduced to other technologies with which he will come in contact during his future career. He specially learns structural engineering which is inseparable from architecture, in such a way that he can design smaller structures on his own and can have intelligent teamwork with the structural engineer, so that there is joint evolution of the final product. He is also given basic knowledge in subjects like interior design, land-scape architecture, urban and rural planning and valuation. This will enable him to develop specialisation in any of these subjects. The syllabus is based on guide-lines as prescribed by the Council of Architecture.

An overall review of the syllabus should be taken every five to ten years, so as to have scope for revision and updating of syllabus in light of experience and to be in tune with the changing values and technology.

The Institution should specially arrange visits to works under construction at different stages and to completed buildings, during which, the students should be trained to observe construction operations with open eyes and have a dialogue with the occupants of the buildings about total reaction to design quality in the completed buildings.

The Institution may under-take a very few selected commissions for designing of architectural buildings and architectural research and involve the senior students and the teaching staff during the design process. Regular supervision and billing of construction shall not be taken. Casual supervision and preparation of sample bills as part of study can be done.

The student, with aid of the teaching staff, is expected to study relevant ISI standards concurrently with the subject.

It must be remembered that this complete course forms a base only and that architecture with all its branches and specialised subjects is a continuing education throughout the Architect's career.

The Institution may take more periods, if they feel so, in the interest of the students. The Institutions may change the number of periods from one subject to the other at its discretion, within the limits laid down by the Council of Architecture, lecture and Studio Periods may also be interchanged.

Several books on relevant subjects have been recommended for reading. It should be noted that the list is not complete in itself nor that all the books are to be studied. The students can browse through these and other books and study relevant portions in detail. Books are also available dealing in details on each type of building. The Institution is recommended to keep such books in its library which the student can refer while solving problems in Architectural Design for particular type of buildings.

BACHELOR OF ARCHITECTURE ORDINANCES AND REGULATIONS :

Ordinances and Regulations relating to the degree of Bachelor of Architecture :

O. E. 1 : A candidate to be eligible for admission to the Five Year of the Bachelor of Architecture degree course :

The candidate should have passed the Higher Secondary certificate (Standard XII) Examination of the Maharashtra State Board of Secondary and Higher Secondary Education, Pune or its equivalent examination with English, Physics, Chemistry, and Mathematics and with not less than 50 percent marks (45 percent marks for Backward class candidates from Maharashtra State only) in the subjects of Physics, Chemistry and Mathematics taken together at one and the same sitting.

OR

The candidate should have passed the Indian School Certificate (Standard XII) Examination or any other equivalent Higher Secondary (Standard XII) Examination of a council or Board outside Maharashtra State with English, Physics, Chemistry and Mathematics and with not less than 50 percent marks (45 percent marks for Backward class candidates from Maharashtra State only) in the subjects of Physics, Chemistry and Mathematics taken together, at one and the same sitting.

O. E. 1

In addition to the above qualifications there will be an aptitude test in the subjects (1) Drawing (2) Aesthetic sensitivity having total of 40 marks. The candidates who have obtained minimum 16 marks out of the 40 marks in the Aptitude Test shall be eligible for admission to the Architecture course.

No candidates shall be admitted to the Architecture Degree course unless he/she has undergone Aptitude Test and has obtained minimum required marks in the Test as prescribed above.

- O. E. 2 : There will be University Examinations for F. Y. Arch., S. Y. Arch. and T. Y. Arch. Part-I at the end of first three academic years. Examination of T. Y. Arch Part-II will be conducted at the end of next half academic year, which marks completion of the first stage of the course. There will be University examination for Final Year Arch. Part-I at the end of four and half academic years from beginning of the course. Examination of Final Year Arch Part-II will be conducted at the end of subsequent half academic year i.e. fifth academic year of the course.
- O. E. 3 : No candidate will be allowed to appear for University Examinations of 1st/2nd/3rd and final year unless he has kept terms satisfactorily for each year. The candidate must produce necessary testimonials/certificates as mentioned below duly signed by the Head of the Institution where he has kept terms.
- a) Satisfactory attendance i.e. 75% at the theory and practicals.
 - b) Satisfactory completion of sessional work prescribed for the particular year (with minimum 50% of marks for internal assessment).

- c) Satisfactory completion of Journals/Portfolios etc.
- d) Has appeared for the midterm examination held by the Institute.
- e) No candidate shall be allowed to appear for the written examination of any year, unless he appears for the external assessment of sessional work in the concerned subjects and obtain combined passing marks in Internal and External assessment. One third of the fees charged by the University for conducting the examination will be refunded to unsuccessful students.
- f) External assessment of the concerned subjects in one year shall be conducted prior to written examination of the particular year and marks (including marks for internal assessment in case of combined assessment of sessional work) of the unsuccessful candidates shall be informed to the concerned institutions minimum eight days prior to the commencement of written examination. The institution shall withdraw examination forms of such candidates and inform them suitably. These candidates will not be allowed to appear for further examination. If a candidate is unable to appear for midterm examination on medical grounds, he should be suitably reexamined by the Institution.

- O. E. 4 :
- a) A candidate who fails in more than three heads of passing including aggregate marks at F. Y. B. Arch. Examination will not be permitted to keep terms for S. Y. B. Arch. Examination.
 - b) A candidate who fails in more than three heads of passing including aggregate marks at S. Y. B. Arch. Examination will not be permitted to keep terms for T. Y. B. Arch. Examination and further he has passed in all heads of passing at F. Y. B. Arch. Examination.
 - c) A candidate who fails in any of the heads of passing at T. Y. Arch. Examination will not be allowed to keep terms for Final Year Arch. Examination.
 - d) A candidate will be awarded a certificate of completion of Stage-I of Architectural course after he has passed all heads of passing at T. Y. Arch. & previous Examinations.
As stage-I complies with the standards set by Council of Architecture, India, this certificate will qualify the student to work as architectural assistant.
 - e) A candidate will not be awarded degree unless he has passed all heads of passing at Final Year Arch. Examination.
 - f) A candidate will be allowed to undergo Practical Training at T. Y. Arch. Part-II Examination after he keeps both the terms in academic year under all heads at T. Y. Arch. Part-I Examination.
 - g) A candidate will be allowed to appear for Final Year Arch. Part-II Examination, after he keeps both the terms in the academic year-under all heads at Final Year Architecture course.

[Note : Head of passing means theory, practicals + orals + external assessment of sessional work separately or combined as specified]

O. E. 5 : A candidate who does not become eligible to take admission to S. Y. Arch., within two academic years will get disqualified for the entire course.

O. E. 6 : The institutions, may permit, at their discretion, migration of students from one institution to another subject to the maximum number of students not exceeding the permitted maximum intake of forty students in a class and provided that the previous institution or the University in which the institution is situated is recognised by the Council of Architecture, New Delhi.

REGULATIONS :

- R. E. 1 The teaching and examination scheme in Architecture shall be according to tables 1 to 5 and the syllabi prescribed subject to revisions, modification etc. which will be made from time to time.
- R. E. 2 Each subject will carry the following heads :
- i) Theory paper, ii) Practicals, external assessment of sessional work and orals, iii) Internal assessment of sessional work as prescribed in the subject, shall each constitute a separate head of passing except where otherwise specified. Combined heads of passing are denoted by marks in brackets in the enclosed tables.
- R. E. 3 In respect of sessional work, a target date shall be fixed for the completion of each sheet, job project, experiment or assignment and the same complete or incomplete shall be collected on the target date and assessed internally immediately at the respective institutions by the concerned teachers and marks shall be submitted to the Principal. The Principal of the Institution shall communicate these marks to the University within a week after the end of each year.
- R. E. 4 Sessional work and performance at practical/oral examination shall be assessed on the basis of the depth of understanding of principles involved and not on the basis of mere correctness of results or appearance. Ornamentation is, therefore, not expected and will not be given credit.
- R. E. 5
- i) When sessional work in any subject is assessed, the marks will be carried over to subsequent examination, unless the candidate rejoins an affiliated institution as a regular student in the corresponding Part and chooses to submit fresh sessional work.
 - ii) A student who fails in the sessional work of any subject OR in any sessional subject shall submit fresh sessional work in the subject to the Institution. The Institution shall forward the fresh sessional marks to the university and the same shall reappear for the examination concerned.
 - iii) A candidate whose marks are thus carried over is eligible for award of class/prizes.
- R. E. 6 Marks obtained by a candidate in Practical and or oral examinations will, at his option, be carried over to subsequent examinations.
- R. E. 7 The number of optional questions in a theory paper per section shall be at least 25 percent of the maximum number of questions required to be attempted.

- R. E. 8 To pass the Examination, a candidate must obtain minimum of 45% marks in each head of passing and minimum of 50% marks in the aggregate.
- R. E. 9 The award of class for Third Year Architecture and Final Year Architecture examinations of Degree of Bachelor of Architecture shall be based on :
Minimum 50% marks for II Class.
Minimum 60% marks for First Class.
Minimum 70% marks for First Class with Distinction.
- R. E. 10 A candidate who fails to clear all heads of passing (including aggregate marks) at any of the first three examinations, may at his option be exempted at a subsequent attempt from appearing in any head or heads of passing of his choice in which he has secured 45% or more marks and these marks will be carried over for the purpose of aggregate and he will be declared to have passed in the final examination when he has passed according to R. E. 8.
“The class will be awarded for the Bachelor of Architecture course on the basis of actual number of marks obtained irrespective of number of attempts”.
- R. E. 11 A student who has passed the qualifying examinations and is eligible for admission only to the corresponding next higher examination as an Ex-Student or an external candidate or attended the course in the Institution, shall be examined in accordance with the syllabus of such next higher examination in force at the time of such examination in such subjects, papers or combination of papers in which students from University Departments or Institution are to be examined by the University.
- R. E. 12 No person shall be admitted to an examination if he has already passed the same examination or an equivalent examination of any other statutory University.
- R. E. 13 Supplementary examination for Final Year Arch. Part-I for Repeaters will be conducted in May of next years supplementary examination for Final Year Arch. Part-II for repeaters will be conducted in November/December.