

UNIVERSITY OF KERALA

**B. ARCH. DEGREE COURSE
(2013 SCHEME)**

**SYLLABUS FOR
IX SEMESTER**

SCHEME -2013

IX SEMESTER

Course No	Course Title	Credits	Hours/ week			Duration of Exam	Marks			Total
			L	T	P		W	J	S	
13AR1901	Architectural Thesis	15			29		250	250	500	
	Total	15	0	0	29				500	

13AR1901 ARCHITECTURAL THESIS

Students of the B.Arch. Degree course are required to prepare an Architectural Design Thesis during the ninth semester of the B.Arch. Degree program.

The General guidelines to be followed are given below:

- i) The Head of the department of teaching institution shall allot a guide for each student considering the nature of the work and specialization of the faculty member. As far as possible students preference may also be considered before allotting the guide.
- ii) Students admitted to the VIII semester should submit their choices of their thesis project within a month after the commencement of the VIII semester classes in consultation with the guide.
- iii) Students shall obtain approval for the project of Thesis and Viva voce from the Department of the teaching Institution.
- iv) The duration of the thesis will be six months from the date of commencement of the IX semester B. Arch Degree Course.
- v) The project selected shall be an architectural project so that the student gets training in tackling projects similar to what he/she is likely to face in his/her professional career. The project and its programming shall be worked out by the student himself/herself under the guidance of the guide.
- vi) The work should include an intensive study of the topography, climate and problems concerned with design of spaces and structures. The solution of the problem must be with the integrated approach of the architect, engineer, urban designer, planner and landscape architect and this shall be reflected in the preparation of drawings and written report.

- vii) Students are required to maintain a work diary of the thesis work.
- viii) All students are required to schedule their thesis work, get it approved by the guide, at the beginning of the thesis and submit a copy of the same to the thesis coordinator nominated by the Head of the Department.

Internal Evaluation

- 1) Internal evaluation of each student will be done by a three member jury constituted by the Department. One member of the jury will be the guide. The other jury members are to be constituted either from the faculty of Architecture of the Teaching College and /or from among the Architects registered with the Council of Architecture, incorporated under the Architects Act 1972, with not less than five years experience.
- 2) The progress will be assessed by the jury periodically through a minimum of four stages of reviews the dates of which will be published by the Department before the commencement of the IX semester. Each review shall be graphical (including models) and oral presentation
- 3) Students have to obtain a total of 40% marks combining the four stages of reviews to become eligible for the external jury.
- 4) The total 250 marks is awarded as marks for internal assessment through the four reviews, by the jury including the guide, the split up of which is as given below.
 - a) **Review 1** - Introduction of the Thesis Topic, Feasibility studies, Basic data, Case studies (at least two live case studies) /Primary surveys, Analysis, Arriving at Inferences and Design Program. Site analysis and Conceptual development. Introduction of Special Topic. (75 marks)
 - b) **Review 2** - Review of Previous stage, Arriving at lay out plan, Sketch design for various building blocks including Floor Plans, Sections, Elevations, Views, Block Models etc. Conformity to Relevant Standards, Bye laws etc. and Achievement of Basic Objectives of Architectural Design. Further studies on Special Topic.(75 marks)
 - c) **Review 3** - Review of Previous stages, Final Layout, Final Design for various building blocks through relevant Plans, Sections, Elevations, Views etc. Details of Building and Site Services, Landscape schemes, Working Details, Application of Special Topic in the design scheme and Preparation of Draft Report. (75 marks)
 - d) **Review 4** - Review of Final stage of all finalized drawings and schemes, and Final Draft of the Report. (25 marks)

External evaluation

External jury consisting Chairman, one external examiner and one internal examiner appointed by the University shall conduct the Thesis and Viva Voce Examination, as per the following guidelines.

- 1) The total marks awarded for external assessment is 250. The marks distribution for thesis and viva- voce will be as follows:
 - a) Preliminary studies and Problem definition - 10%
 - b) Concept and evolution of design - 10%
 - c) Documentation – Drawings and design - 30%
 - d) Special topic report and model - 10%
 - e) Final Report - 20%
 - f) Viva - 20%
- 2) The Jury members (excluding the chairman) shall submit the consolidated marks to the Chairman on the last day of Viva Voce and the Chairman should submit the mark sheet directly to the University.
- 3) Students shall secure 40% of marks in the external jury and 50% aggregate (Internal + External) for successfully completing the thesis and Viva voce. Supplementary chances will be given to the students who failed in the final jury.
- 4) Students who fail in the thesis and Viva- voce can register for the supplementary chance in the same Institution immediately after the declaration of the results.

Suggested Areas for Special Topic

- 1) Structural drawings supported with detailed calculation
- 2) Detailed estimates and specifications.
- 3) Building construction techniques and the details of the use of new materials.
- 4) Equipment and design of any one building service like air conditioning, Electrification and illumination, sanitation and water supply or acoustics.
- 5) Furnishings, fittings and finishes.
- 6) Climatic research and its applications.
- 7) Or any other topic approved by the teaching institution

Documents to be submitted for the Jury

- 1) Two copies of the Data Collection in the preliminary design stage (up to the design and including the case studies) shall be compiled and presented along with the final submission in A3 size format.

- 2) Two copies of Special Topic Report
- 3) Two copies of the Final Report shall be submitted on the date and time announced by the Dept. of Architecture of the Teaching Institution.
- 4) The total number of design sheets for final submission shall not exceed 30 (thirty) A1 size sheets
- 5) Models to be submitted on the date of Viva voce examination at least by 9 A.M
- 6) The format and other instructions regarding the schedule of reviews, preparation of the bound volumes of Data Collection, Final Report, Final Sheets, Model, etc. will be announced by the Dept. of Architecture of the Teaching College.