

Uttarakhand Tech. University, Dehradun
Faculty of Architecture

B. ARCH. (Fifth Year) SEMESTER – X
AR – 1001 ARCHITECTURAL THESIS – X

Schedule of Teaching and Examination								Examination Duration
L	P/TV	ST	TOTAL	S	T	P/V	TOTAL	
-	-	26	26	350	-	350	700	3 Hours

Intent

- To prepare a student to independently handle and present all aspects of an architectural design : from its evolution to final solution in totality;
- To understand the importance of the evolutionary stages of a design process and various techniques required for a successful presentation of an architectural design;
- To develop in students the ability to handle specific aspects of design relevant to the topic.

Thesis Programme :

Each student is required to conduct an intensive study and present a design thesis on any of the design topics.

The students should submit synopsis for the least three different, design or research oriented topics, to the respective Institution, of which one will be approved to carry on the research and design. Each student shall be attached with a faculty member who will guide his work. The arrangement for the assessment of the progress through the semester for all the students and a 'Programme schedule' will be declared separately for each session by the respective Institution.

The work of student should result into a 'Design Proposal' based on the complete and detailed study of site including its selection, topography, climate, spatial requirements of the project, special functional and physical needs of the project, and standard data, construction and services and all other factors that the involved with a particular thesis topic.

At least two of the following items, for complete design or an approved part thereof, should be covered in full detail and included in the design and presentation, along with the final design proposal –

1. Structural calculations and design.
2. Detailed estimate and specification.
3. Working drawing and construction details.
4. Proposal for Mechanical services to cover 'Air-conditioning & Mechanical conveying system,
5. Proposal for Electrical Services & Illumination.
6. Proposal for Water supply and waster disposal services.
7. Proposal for Acoustical design & specification.
8. Proposal for Interior design-including furniture, fitting and finishes.
9. Landscape design proposals in detail.

The design proposal should be prepared and presented with the help of charts, drawings, perspective views, models and other audio-visual aids. A thesis report must also be prepared and submitted in one soft copy (on CD) and three hard copies (one to be returned to the student) type written and bound together with prints and photographs of all the drawing & models. The thesis report should explain the objectives, scope, case studies, literature study-research & data, design concept/ approach, design proposals, construction programming & financing etc. The original drawings, models and one copy of thesis report will be returned the students in due course of time as decided by the respective Institution.

Thesis Jury :

The final assessment of the thesis will be made through a panel of external jury, in accordance with the 'Thesis Evaluation Regulations' to be issued separately.

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B. ARCH. (Fifth Year) SEMESTER – X
AR – 1002 PROFESSIONAL PRACTICE – II

Schedule of Teaching and Examination								Examination Duration
L	P/TV	ST	TOTAL	S	T	P/V	TOTAL	
2	2	-	4	50	100	-	150	3 Hours

OBJECTIVES

- To acquaint the students with most of the general aspects of valuation and arbitration.
- To familiarize the students with Easement rights and organization of an architect's office.

CONTENTS :

Valuation	:	Valuation of immovable properties, elements of valuation and factors affecting valuation; Techniques of valuation of landed and building property; Value classification and types of valuation.
Easement	:	Introduction to various easements processes, and precautions to protect easement rights.
Arbitration	:	Arbitration, Arbitrator, Umpire, Nature of arbitration, Appointment, Conduct, Powers and duties of arbitrators and umpires; Procedure of arbitration and preparation of awards.
Office organization & Administration	:	Professional organization, setting of practice, salaried appointments, public sector, private sector jobs, procedure of operation in government organization.

APPROACH :

- The spectrum of topics will be covered through lectures citing practical examples. Specialist should supplement the courses through extension lectures.

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B. ARCH. (Fifth Year) SEMESTER – X
AR – 1003 DEVELOPMENT LEGISLATION

Schedule of Teaching and Examination								Examination Duration
L	P/TV	ST	TOTAL	S	T	P/V	TOTAL	
2	1	-	3	50	50	-	100	3 Hours

OBJECTIVES

- To acquaint the students about an elementary knowledge of various instruments of law and legislation to safeguard the professional interest.

CONTENTS :

Jurisprudence and Legal Theory	:	Nature and source of law, brief history and evolution of Urban Development laws.
Law Related to land	:	The land acquisition Act, The effect of Urban Land Ceiling Act 1976, UP Urban Development Act 1973.
Law related to slum up gradation	:	Law of environment
Law related to Development and management of population	:	Elements and effect of the Rent Control Act, The Apartment ownership Act.
Laws related to Conservation	:	The elements of the Ancient monument, (site and remains) Act 1956.

APPROACH :

- The course will be covered through lectures drawings and citing the appropriate case law. Specialist will supplement the course through extension lectures.