

Y E A R 4 (Semester VII)

CODE	SUBJECT	CLASSES					CREDIT S	EXAM HOUR S
		L	T/ ST	WR	VV	TOT		
BARC-0701	DESIGN –VII	2	4	WR	VV	100	3	6
BARC-0702	BUILDING MATERIALS & CONSTRUCTION –VII	2	4	WR	VV	100	2	3
BARC-0703	URBAN AND RURAL PLANNING	2	4	WR	-	100	1	3
BARC-0704	STRUCTURE- VII	2	-	WR	-	100	1	3
BARC-0705	LANDSCAPE ARCHITECTURE	1	3	WR	VV	100	1	3
BARC-0706	PROJECT MANAGEMENT	2	-	WR	-	100	1	3
BARC-0707	BEHAVIORIAL PSCYCHOLOGY	2	-	WR	-	100	0.5	3
BARC-0708	SEMINAR-II	-	2	-	VV	100	0.5	-
TOTAL		13	17				10	-

YEAR 4 (Semester VIII)

CODE	SUBJECT	CLASSES					CREDIT S	EXAM HOUR S
		L	T/ ST	IA	VV	TO T		
BARC-0801	ARCHITECTURAL TRAINING	-	-	IA	VV	100	10	-
TOTAL		-	-	-			10	-

YEAR 5 (Semester IX)

CODE	SUBJECT	CLASSES					CREDIT S	EXAM HOUR S
		L	T/ ST	WR	VV	TOT		
BARC-0901	DESIGN -VIII	2	4	WR	VV	100	3	6
BARC-0902	ADVANCED BUILDING TECHNOLOGY	2	4	WR	VV	100	2	3
BARC-0903	ECOLOGY & ENVIRONMENT	2	2	WR	-	100	1	3
BARC-0904	ADVANCED STRUCTURES	2	-	WR	-	100	1	3
BARC-0905	ELECTIVE-I	1	3	WR	-	100	1	3
BARC-0906	ELECTIVE-I	1	3	WR	-	100	1	3
BARC-0907	SEMINAR- III		3	-	VV	100	1	-
TOTAL		10	19				10	-

Y E A R 5 (Semester X)

CODE	SUBJECT	CLASSES					CREDITS	EXAM HRS
		L	T/ ST	WR	VV	TOT		
BARC1001	DESIGN THESIS	-	6	-	VV	100	6	-
BARC1002	PROFESSIONAL PRACTICE-I	2	-	WR	-	100	1	3
BARC1003	VALUATION AND ARBITRATION	2	-	WR	-	100	1	3
BARC1004	SEMINAR-IV	-	2	-	VV	100	2	-
TOTAL		4	8				10	-

NOTATIONS: L- LECTURES T- THEORY ST- STUDIO WR- WRITTEN VV- VIVA- VOCE

YEAR FIVE SEMESTER TEN

BARC- 1001: THESIS

INTENT: Thesis projects must reflect the culmination of the development of the student's architectural skills and design attitude. The project must be chosen so as to address and resolve, through design, all aspects of the design process.

METHODOLOGY: The student must submit to the department the synopsis of at least two different design/research projects for approval out of which one would be selected depending on its merit for scope of design intervention and its scale.

A guide to supervise the studies will be appointed by the head for each student. Regular progress in studio will be monitored and internal assessment will be carried in six stages during the exercise, each stage will have a presentation to the internal jury for thesis.

The stage submissions must be based and supported by detailed analytical studies that lay down the validity of the design criteria and detailed methodology. The following are the basic guidelines for the planning the thesis design project and its submissions:

1. Detailed site study of existing site conditions and context and evolving design directives and concept.
2. Case studies to be clubbed with library research and surveys.
3. Site restrictions should be followed as applicable for building byelaws of parking, FAR, fire, security and services.
4. Initial concept stage to experiment with shapes and forms to evolve a built volume through block model studies.
5. Incorporating landscape to understand interaction between built and open space.
6. Study and address issues like movement of people and traffic, services, waste disposal management etc.
7. Develop details for use of materials, lighting, landscape and services.
8. Final proposal to include specialized aspects of service details, assessment of environmental impact, innovative structural systems and materials etc.

In special cases depending upon past achievements and aptitude, the institute may allow a research project to be undertaken in lieu of a design project.

SCOPE OF STUDY

The projects chosen could vary in scale from small individual buildings to large complexes to urban design intervention. The project should be such that it highlights the student's individual innovation in the architectural design process.

BARC-1002 : PROFESSIONAL PRACTICE

OBJECTIVE: To introduce aspects of professional conduct, duties and responsibilities and legal rights and procedures of the architectural profession.

METHODOLOGY: Lectures.

CONTENTS:

Architectural Profession today

Registration under Architect Act 1972.

Main provision of Architects Act, AICTE Act.

Architects role in society and careers in architectural profession.

Architects in practice and his office organization.

Basic Account Keeping and preparation of Balance Sheet.
Scale of Professional fees, mode of payment, Professional conduct and ethics.

Indian Institute of Architects

Its role as a professional body for promotion and regulation of the Architectural profession and assisting its members, ARCASIA (Architects Regional Congress of Asia), Common wealth Architects Association, UIA (Union International des Architects).

Law related to the profession

Introduction of following Acts: Contracts, Arbitration, Environmental, Consumer Protection, Negotiable Instrument, Easement, Partnership.

Income Tax, Service Tax, Professional Tax.

Tender and Contracts

Types of building contracts, their merits and demerits.
Preparation of tender documents, inviting and opening of tenders, comparative statements.
Architects recommendations.
Signing of the contract.
Architectural Competitions.

Valuation

Role of Architect as an Evaluator.
General principles and methods of evaluation of buildings.

Arbitration: Role of an Architect as an Arbitrator.
Introduction to agencies related to Architectural Profession
HUDCO, Development Authority, TCPO etc.
Housing financing Agencies: HDFC, Banks, LIC, HUDCO etc.

BARC- 1003: VALUATION AND ARBITRATION:

INTENT: To familiarize students with the aspects of valuation and arbitration.

METHODOLOGY: The course will be conducted through lectures and practical examples of the cases of valuation and arbitrations.

Contents:

Valuation

Introduction:

Techniques of valuation, elements of valuation and factors affecting valuation.

Methods

Valuation of landed properties and building property, rate of interest for sale, purchase, mortgage, capital gains, taxes, estate duties and death duty.

Compensation:

Valuation for compensation on acquisition, compensation under central and state legislation, relevance of town planning act.

Types of Valuation:

Valuation for renewal of lease/ extension of lease, standard rent, easement rights, dilapidation, insurance, estate development and advice of investment policy.

Report:

Preparation of feasibility report, valuation report, awards etc.

Arbitration

Introduction:

Arbitration, arbitrators, umpire, nature of arbitration. Appointment conduct, powers and duties of arbitrators and umpire.

Procedure:

Procedure of arbitration, preparation and publication of awards. Impeachment.

Claims:

Fire insurance and arbitration of insurable value. Claims and damages.

Injunctions:

Easement and its definition. Features of easements, interim, permanent and mandatory injunctions.

BARC- 0907: SEMINAR-IV

INTENT: To equip the students with the art of paper presentations and preparation of report.

METHODOLOGY: The students will be preparing paper presentations with guidance under a faculty for the paper presentation.

CONTENTS:

Independent study and documentation of architectural and allied subjects by individual student alongwith oral and visual presentation.

The seminar shall be a research paper on a current topic related to Architecture. The overall supervision shall be done by the seminar coordinator and the individual guidance may be provided by the experts in the subjects.