

Structure and Course Content:

- This is a four semester course
- These courses are strung together around a single theme or intent. Horizontal integration of courses is inbuilt into the scheme. The courses in each semester form one whole. It is possible for each semester/module to be taken independent of the other, except ARC 7017 and 7021. The course have to be taken sequentially.
- The Semesters...
 1. [Semester 1: Theory, History, Criticism](#)
The first semester courses deal with foundations of Architecture- Theory, History and criticism – in a different manner.
 2. [Semester 2: Subject Areas](#)
The second semester courses deal with the teaching methods specific to each area of study, together with related issues of curricular design. One Course in this semester is a practical course of hands-on-experience of designing lectures in various theory courses and delivering the same;
 3. [Semester 3: Architectural Arts](#)
The third semester courses are all practical courses (with minor inputs of theory) in basic skills / arts which the architect- student must have. The last course in this semester is a studio-based design course Re-design of traditional habitat where the students is expected to explicitly use knowledge & skills learnt through the three semesters. It is a capstone course;
 4. [Semester 4: Research](#)
The fourth semester is entirely devoted to semi- independent research by the student on an approved subject under approved guides. The guidelines for the same would be issued separately:
- All Tutorial classes will be of conference – style to encourage participation and debate.
- The course has been so designed that for each hour of class-room/studio contact, two hours of homework would be necessary.

The impulse for proposing this course arose from;

- Deep dissatisfaction fell by educators and professionals about the role and function of Architects and Architecture; respectively in the contemporary globalize; world especially in third world countries;
- Concern about the incapacity of the profession to influence in a significant manner the shaping of the policy regarding built environment;
- The need to re-engineer architectural education to cope with a rapidly changing social, economic and political environment;
- To provide learning environment for integrating new design technologies including computers with the teaching of architectural design
- And the felt need for providing trained teachers to staff the mushrooming architectural educational; instructions in India;

Context...

- [Regulating Architectural Education: an Approach Paper](#) Authors: Prem Chandavarkar *et al*

Semester I: Theory, History, Criticism

S.No.	Course Title	L	T	P	Credit Total
1	ARC 6011 Architectural Profession	2	1	3	3
2	ARC 6012 Architecture Theory	2	1	3	3
3	ARC 6013 Research Methods	2	1	3	3
4	ARC 6014 History of Architecture	2	1	3	3
5	ARC 6015 History of Architectural Education, Profession and Building Practice in India- Ancient and Medieval Period	2	1	3	3
6	ARC 6016 History of Architecture Education Profession and building practice in India:Colonial and Post Colonial Period	2	1	3	3
7	ARC 6017 History of Architectural Education,Profession and Building Practice from Ancient Times to Present of any of the regions: China/West Asia/Russia	2	1	3	3

ARC 6011: Architectural Profession

Objective:- This course is designed to

- Examine critically the function and role of architectural profession (with special reference to India), in terms of meeting the needs of various sections of society,
- Define the gap between present professional practice –the social and aesthetic values and the needs and values implicit in the current social, economic political and cultural life of Indian people, and
- Explore the possibility of generating an alternative professional culture.

Course Content (Outline)

1. Profession: Meaning, Autonomy and Regulation, Knowledge and values
2. Architectural Professions : Core competence, nature of relationship, with the state, economy (esp., corporate world), society (especially the elite), Range and nature of service provided and substitutability (sociology of the Architectural Profession).
3. Standards of evaluation of architectural- products and services both internal to the profession and external to it ----(Critical Analysis of Theory of Criticism).
4. Architectural Profession in India: Match/mis-match between the current practice-service provided and the values there of-and the societal needs and values.
5. Exploring the possibility of revision of the functional role and the values implicit in the product and service with reference to emerging multi cultural society and cross-cultural professional practice.
6. Defining the gap between the existing knowledge, skill values and professional organization/practice and the required one.
7. Architectural profession and Academia- the nature of relationship.
8. Architecture as cultural critique.

ARC 6012: Architectural Theory

Objective: This course aims at

- Describing the various types of knowledge used by the architect, explaining
- The Cultural differences that color this knowledge especially the difference between west and non-west, define.
- Limitations of the current knowledge base of the profession in India, to
- Explore the possibilities of self-representation by each culture of its practices-transcending the Orientals hypothesis- and finding ways of cross-cultural understanding (negating HUNTINGDONS Civilization conflict Hypothesis).

Course-Content (Outline)

1. Architectural Theory: The Nature; Comparison with theory in physics, sociology and Business Management.
2. Architecture: an Academic Discipline: Multi-disciplinary, Inter disciplinary, Trans-disciplinary approach to the Architectural knowledge base.
3. Types of knowledge used by Architects and implication of typological distinction for generating an autonomous integrated knowledge-base. Types: Formal-informal; Theoretical, folk,tacit,and practical; know-how, know that, know- why?
4. Knowledge and Ideology (including practice paradigms- Marx, Foucault, Post-colonial theory in Architectural theory and criticism.)
5. Information Society: Information overload and rules of knowledge for screening information.
6. Primacy in Architectural knowledge of tools and techniques of knowing than knowledge of things and Societies because of impossible range of theoretical and practical area of knowledge an architects has to deal with – centrally of research methods.
7. Architectural Discourse and Hermeneutics.

Arc-6013: Research Methods

Objectives:

- This course is a corollary to the course “Architectural Theory” . It aims at equipping the student with the tools and techniques for investigating the material and non-maternal culture of not only India but of other counties.

Course Content(outlines)

1. Research Methods employed by sociologists and psychologist in social and psychologist in social and cultural research (especially course-cultural studies).
2. Research Methods employed by Anthropologists in describing other culture.
3. Research methods used in Liter any criticism.

ARC 6014: History of Architecture

Objectives

- Review of various theories of Historiography in order to evaluate the significance and value of existing histories of Architecture especially with reference to non-western countries (Euro-centrism).
- Methods of teaching history.

Course Content(Outlines)

1. Theories of Historiography and various histories of Architecture of the west.
2. Critical Analysis of existing histories of architecture of India/or any other non-western country to define the assumption and unstated value premises.
3. History of Architecture as reappraisal of tradition.
4. Uses of History in Design Studio: the choice of values.
5. ...
 1. Teaching of History:Primacy of techniques of readings past than on the description of the past.
 2. Rules for choice of period/Area/ and aspect (style,social and Economic: cultural roots)in terms of the objective of teaching design in a particular semester.

ARC 6015: History of Architectural Education, Profession and Building Practices in India in Ancient and Medieval Period.

Objective:

- To go beyond the usual “Art-History” type. History of Architecture to find it roots in education profession and building practices- to locate the base of Architecture in the material and non-material culture as formalized in concrete practice.
- This course is effectively an illustration of alternate history.

Course-Content(Outline)

1. The focus would be (I) on describing the knowledge/ and skill-base at each level of Hierarchy from Master-Builder to craftsman.
2. Social and formal organization for production.
3. The relationship between the builders and the clients and the nature of regulations.
4. The strategies and organization for transfer of skills and knowledge from master to craftsman.
5. The standards of evaluation of the product and their source and authority.

Arc-6016: Architectural education, profession and Building Practice during colonial and Post-Colonial period:

Objective: This course is similar in intent to previous course except that the focus shifts.

- Division caused by colonialism between various vernacular/ canonized and western at all levels education, profession and building practice.
- Evolution of profession education somewhat modeled on western lines.
- Defining the limitation of current educational and profession practice.
- Values:aesthetic and social, in terms of which the product were evaluated.

ARC 6017: History of Architectural Education, Profession and Building practices in any one of the following regions: China,Japan, & west Asia, North Africa.

Objective:

- This course is similar to the previous one except that or different region is being

studied. The aim is to see the differences between us and then. Such course helps in deconstructing the western notions of traditional and see each tradition evolving itself in a distinct manner to produce a different base for development.

Course Content: Not any different from previous two courses.

Semester II: Subject Areas

S.No.	Course No.	Title	L	T	P	Total	Credit	Total
1	ARC 6021	Teaching of Building Science	2	1	3		3	
2	ARC 6022	Teaching of Building Engineering	2	1	3		3	
3	ARC 6023	Teaching of Building Management	2	1	3		3	
4	ARC 6024	Teaching of Building Production	2	1	3		3	
5	ARC 6025	DESIGN STUDIO	2	1	3		3	
6	ARC 6026	Teaching of Professional Practice	2	1	3		3	
7	ARC 6027	Design and delivery of Lecture	-	3	3		3	

ARC 6021: Building Science

(Architecture and Environmental Science (the interface))

- Climatological, energy, material use, physical environment.
- Sustainability or economy of material use.
- Traditional Materials or methods of construction.

Objectives:

- The objective of the course is to acquaint the student with the basic issues of environmental sustainability in context of architectural design.

Course Contents(Outlines)

1. Theory of sustainability and choice of materials and technology
2. Energy optimization and Architectural Design.
3. Techniques for analyzing environmental impact of architectural projects.

ARC 6022: Building Eng.

Course Content(Outline)

- Building engineering: Division of responsibility between the engineer and Architect.
- Issues in Collaboration between Architect and various specialized engineering discipline in the design of highly serviced building.
- Structural engineer and Architect-: the interface .
- Issues in defining the range, depth., of knowledge which architect must have of various branches of engineering especially structural engineering.
- Defining Goals of practical training and experimental work in the Laboratory.

- Methods of teaching engineering to non-engineers.

Objectives:

- To define the scope of knowledge of engineering usage by an architect, and to describe the methods of teachings.

Building Management: ARC 6023

Objective:

- The primary focus of this course is in the relationship between building design and management especially with respect to cost Control.

Course Content(Outline)

1. To define the scope, range and depth of knowledge which architect should have of the following subjects:
 1. site-management including supervisory management.
 2. building Management including materials management.
 3. project Management.
2. Building Management, cost control and Design Option/ revisions.

ARC 6024: Production

Objective: To examine the relationship between

- Design and Production
- Design and technology.

Course – Content(Outline)

1. Consequence of split of responsibility between designer and builder with special reference to product quality.
2. Choice of technology and Design
3. Technology and culture with special reference to appropriate technology.
4. Futurology / Technological forecasting.
5. Building Technology and industrial systems of the country.
6. Housing and Industrial Design.

ARC 6025: Design Studios:Curricula and Methods,

A. Horizontal Linkage.

- *History } Theory } Design Studio*

Objectives:

- To explain the issues involved in teaching design studios,
- examine validity of Design Jury as an evaluating mechanism.

Course Content(Outlines)

1. Setting of design exercises,
2. Process of conceptualization
3. Role of the Design-master: analysis of studio-method(Master appropriate)
4. Design Jury-Peer-group evaluation and transfer of un-rationalised values from Juror/Masters to students/apprentice.
5. Methods of individualizing design studio teaching.

ARC 6026: Professional Practice.

Objectives:

- The primary focus is to define the possibility of using modern management techniques in managing Architectural Practice (office) in context of emerging architectural MNC's and possibility of India architectural office translating to the small scale from tiny and cottage scale.

Course-Content(Outline)

1. To define the scope of teaching.
 1. Management of Practice:
 1. office management with special reference to control and monitoring.
 2. Organizational Design and allocation of responsibility
 3. Marketing Management with special reference to relationship with clientele.
 2. Team Building.
 1. Professional Collaboration and management thereof.

ARC 6027: Teaching Practice

Objective:

- This is purely a practical course. The students under a guide will in writing design at least two lecture of one hour each in all the major areas of study and actually deliver the lecture to a regular undergraduate class at the basic level (first to 3rd year students)

ARC 7011: Drawing and related arts of communications

Objective

1. To define the role of drawing in conceptualization and communication of Design with special reference to theory of communication,
2. To define the role of computer as a drafting tool.
3. To address the issues of communication with public, other professionals and policy makers.

Course Content(outline)

1. Drawing and related arts of graphics scenography etc as tools of communication in

- terms of commutation theory.
2. Tools of communication with clients(including use of models)
 3. Tools of communication with public and policy makers.
 4. Pros and cons of drawing against computer
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Semester III: Architectural Arts

S.No.	Course No.	Title	L	T	P	Total Credit	Total
1	ARC 7011	Drawing & Related Arts	12	1	2		
2	ARC 7012	Computer & Architecture	2	1	3	6	
3	ARC 7013	Workshop Practice	1	2	3	1	
4	ARC 7014	Filming & Photography of Building/Architecture	1	3	4		
5	ARC 7015	Technical Report Writing	1	2	3		
6	ARC 7016	Animation/Model Making	1	2	3		
7	ARC 7017	Re-Design of Traditional Habitat(Design Studio)	1	6	7		

ARC 7012: Computer and Architecture

Objective:

- To educate and train student to use computer as an analytical tool in taking design decisions.

Course contents(outline)

1. Potential of Computer as an aide in analysis;
2. Computer as an inbuilt check on conformity to various constants of law, norms of practice.
 1. as a visualizing medium
 2. as data bank (storage and retrieval)
3. Special use in specific areas of design decision– making: structure, services etc:

ARC 7013: Workshop Practice

Objective .

- To examine critically the range and depth of learning of each skills/crafts which an architect need to have,
- Train students in supervising and monitoring of workshop practice of students .

Contents:- In terms of the above objective

ARC 7014: Architecture film and Photography.

ARC 7015 Technical Report Writing

ARC 7016 Animator/Model Making

ARC 7010 ANIMATION/MODEL MAKING

Objective of course and contents

- The above three courses are purely technical training courses in three skills. The level of achievement is fixed at Intermediate for all the three courses.

ARC 7017: Re-Design of a Traditional Habitat (Design Studio Course) Objectives:

- This is a capstone course wherein students are expected to frame their project explicitly reckoning with the issues raised in theory course taught so far.
- The other alternative is to make this purely theoretical discussing the Variety of issues pertaining to philosophy and process of design.

Semester IV: Dissertation

S.No.	Course No.	Title	L	T	P	Total	Credit	Total
1		DISSERTATION						21

objective: Only theoretical/analytical work would be accepted.