

UNIVERSITY OF PUNE

DETAIL SYLLABUS

FOR

**FIFTH YEAR BACHELOR OF ARCHITECTURE &
FIFTH YEAR BACHELOR OF ARCHITECTURE (INTERIOR DESIGN)
2008 BRIDGE COURSE**

(to be implemented for 2012-13 & 2013 -2014)

**FACULTY OF ENGINEERING
BOARD OF STUDIES IN ARCHITECTURE**

FIFTH YEAR B.ARCH.

DETAIL SYLLABUS

Subject Code : 513421 PRACTICAL TRAINING (Sessional and Viva)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	--	Sessional (Internal) Sessional (External) Viva	50 marks 50 marks 50 marks
Studio Periods per week	--	Total sessional marks	150 marks
Total Contact Periods per week	--	Paper	nil
		Total Marks	150 marks

AIMS AND OBJECTIVE

The aim of introducing one complete term for the students to undergo practical training is to expose them to the world of Professional Practice and get hands on training under the guidance of a professional who is actively engaged in Architectural Practice. It still give the students first hand experience of dealing with live projects of various nature and also the site experience to see how the projects get built on the site. The students will also be able to learn about the Office Management, Project Management, Contract Management, Human Resource Management, new techniques of construction, advance building services, landscape and environmental designing etc. This rich experience is expected to enhance the students' ability to think comprehensively and better prepare them for undertaking the Architectural Project work in the final semester.

COURSE OUTLINE

- 1 The term of Practical Training will commence immediately after the examination of Fourth Year and will continue till the end of IX SEM or thereabout. However the exam for this subject shall be conducted at the end of Term – II. The students are expected to work in the organization where architecture and its related practice are carried out and under the guidance of the professional who is registered with Council of Architecture. In case the student opts to go abroad he / she will work under the guidance of the professional who is registered with the council / any other organization controlling the profession of Architecture in the respective country. The students will decide very carefully about their placement venue as it is expected that they learn best ethics in Professional Practice and which produces quality architecture. The placement cell of each College will extend all possible help to the students in this regard.
- 2 The total duration of the training will be minimum 18 weeks / 90 working days in Term - I.

SUBMISSION

1. The students shall prepare an exhaustive Training Report separately or in a formal Log Book issued to him by the College as per the College policy, week by week, which will cover detailed record of the work done in the office, site visit reports, interviews with clients and any other agency, interaction with principal architect etc. The professional with the seal of the organization, under whose guidance the student worked, will sign the report and also his reflection about the student's work and his overall approach and attitude towards the office work.
2. The students shall produce the above mentioned Training Report and the Log Book at the time of viva-voce examination. He will also produce few drawings with the permission of his employer to indicate the kind of work he has carried out.

SESSIONAL ASSESSMENT AND VIVA-VOCE: The sessional and viva assessment shall be done at the end of Term – II jointly by the Internal and External Examiners and the allocation of marks shall be as stipulated in the syllabus

Note : The B. Arch. (Interior Design) students should undergo practical training in a firm having practice in Interior Design.

Subject Code : 513422 ARCHITECTURAL PROJECT (Sessional and Viva)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	2	Term II Sessional (Internal) Sessional (External) Viva	150 marks (for Term II) 150 marks (for Term II) 100 marks
Studio Periods per week	10	Total sessional marks for both terms	400 marks
Total Contact Periods per week	12	Paper	nil
		Total Marks	400 marks

OBJECTIVE

To expose and to provide opportunity to the students to extend the findings of the research carried out under the subject of "Dissertation" to the architectural project and exercise full-fledged large scale Architectural Design with holistic approach including site investigation, programme formulation, and design demonstration.

COURSE OUTLINE

The architectural project shall consist of : **Design Demonstration i.e.** Formulation of Design Programme, Site investigation, and selection, and culmination in a design demonstration.

SUBMISSION WORK :

Sessional work for the Part II of Architectural Project shall consist of a **Design Solution :**

Graphically presented Design solution in form of sufficient number of architectural drawings,(manually drawn/computerized) with models etc. Since the Architectural Project is the culmination of five years of learning in various aspects of Architecture, it is expected that students demonstrates an ability of holistic and comprehensive thinking in the areas of ,

- Site Planning
- Structural considerations
- Interior space planning
- Environmental planning
- Building Services
- Climate responsive, Energy efficient and exhibiting qualities of sustainable architecture.
- Architectural Detailing.

The portfolio will consist of drawings sufficiently in detail to demonstrate the consideration given to the above-mentioned attributes of a good quality Architectural Project. Emphasis shall be given to the preparation of self-explanatory drawings in great detail, as in any Architectural Competition.

SESSIONAL ASSESSMENT

The Internal assessment of "Architectural Project" shall be carried out **STAGE WISE** as decided by the individual College.

The final assessment in the examination shall be done by both Internal and External Examiner / s in which the student will display his work on the space allotted to him and explain his work and answer all the queries raised by the Examiners.

The Time allotted per student shall be minimum 30 minutes to maximum 45 minutes.

The Internal stage wise marking shall be done out of 150 marks and External marking shall be done by the External Examiner out of 150 marks. 100 marks shall be reserved for oral presentation to be assessed jointly by both Internal and External Examiners.

The individual college will make available guide / advisor specializing in various disciplines who will make themselves available to the students in College premises on pre appointed days and time.

Individual Guide will guide maximum of **FIVE STUDENTS** of a particular College in which he is working as a guide / Internal faculty.

In order to qualify to work as a Guide the teacher / professional must possess minimum of **FIVE YEARS** of teaching / professional experience. Efforts shall be made to appoint guide / Advisor who have high academic qualification, having rich Professional experience and contribution in a major way to the field of Architectural Education / Profession.

RECOMMENDED READING

All books relevant to the topic of the architectural project.

Subject Code : 513423 TECHNICAL COMMUNICATION (Sessional)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	3	TermI – II Sessional (Internal) Sessional (External)	50 marks 50 marks
		Viva	nil
Studio Periods per week	1	Total sessional marks	100 marks
Total Contact Periods per week	4	Paper	Nil
		Total Marks	100 marks

COURSE OBJECTIVES:

To equip the student to communicate effectively on technical matters, using various mediums of verbal, written, graphic and electronic communication.

COURSE OUTLINE

Unit 1: Introduction

1. Introduction to technical communication, the need for learning the subject.
2. Various mediums of communication and their relevance to professional practice.
3. Reading, writing conversation public speaking, etc. as skills to be acquired for effective communication.
4. Importance of knowledge,
5. Linguistic skills and structure in communication

Suggested sessional work: short report

Unit2: Written Communication:

1. Language Skills, structuring of ideas,
2. Various types of written Communication i.e. writing, abstract synopsis, reports, dissertation, etc.
3. Effective beginning, logical division of matter under various heads, elaboration, conclusions appendices and annexure (technical writing aspects),
4. Understanding the reader /purpose of the communication,
5. Preparation of drafts, finalization of content
6. Handwriting skills,
7. Software like MS word, Excel, etc.

Suggested sessional work: Short report of AP – II synopsis.

Unit: 3 Graphic Communication:

1. Graphic skills,
2. Presentation techniques using mediums like pencil, ink, water colour, etc.
3. Use of software suitable for graphic communication.
4. Types of paper, sizes, suitability of paper & medium for the purpose & their compatibility with each other,
5. Printing & plotting – including scales, font sizes, etc. composition of matter on given paper space, display formats, etc.

Suggested sessional work: case studies / data collection

Unit 4: Electronic Communication:

1. Use of suitable software's.
2. Introduction to presentation techniques & formats using computer,
3. In put- output devices, their compatibility, data storage formats, transmission of data through the Internet, basics of email, website design, etc.

Suggested sessional work: PowerPoint presentation / case studies / design presentation of AP - II

Unit 5: Verbal communication:

1. Language skills
2. Structuring &, organization of speech.
3. Understanding the audience, transmitting of ideas, voice modulation, personal style-tone emphasis, gestures, etc.

Suggested sessional work: Verbal presentation- Contemporary Architecture seminar

Unit 6: Group Communication:

1. Working in teams.
2. Structure & organization of an efficient team,
3. Roles played by members, leadership qualities and skills
4. Communication within a group, group presentations, group discussion etc.
5. Time management, schedules, etc.

Suggested sessional work: Study tour- report & presentation / group case study / site analysis

Unit 7: Interviews:

1. Effective communication skills, personal style.
2. Commonly raised questions and effective answers.
3. Knowledge level and effective communication of information.
4. Understanding the interviewer and the purpose of the interview, etc.

Suggested sessional work: flexible- to be decided by the institute

Unit 8: Formats:

1. Formats for letters, memos, resume, job application, project proposals, feasibility reports, progress report, information page, brochure, website etc

Suggested sessional work: preparation of formats as assignments

Unit 9: Appraisal / Self Judgment:

1. Setting up objectives, methodologies,
2. Achieving targets.
3. Effective Communication of ideas, image knowledge, information.
4. Creating a self identity.

Suggested sessional work: flexible- to be decided by the institute