5TH YEAR / X Semester

ARCH 001: DESIGN THESIS PROJECT

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 001	AR	STUDIO	THESIS PROJECT			20	20	14							600	400	1000	1000	

L - THEORY; S- STUDIO , T -TUTORIAL; C - CREDIT;HRS: HOURS ; MST - MIDTERM TEST , A.MST - AVERAGE OF MIDTERM , ESUE - END SEMESTER UNIVERSITY EXAMINATION; IA - INTERNAL ASSESSMENT PROGRESSIVE;,SS- FOLIO FINAL Sessional (INTERNAL) , EV - EXTERNAL VIVA VOICE,RVW - INTERMEDIATE REVIEW

COURSE OVERVIEW:

The thesis should reflect the knowledge gained from all the courses undertaken by the student in all the previous semesters.

OBJECTIVES OF THE COURSE:

To develop assimilation, synthesis and application of research in Architecture

EXPECTED SKILLS / KNOWLEDGE the TRANSFERRED:

The student should be in a position to comprehend the design philosophy, theories, data analysis and application in a chosen area of study.

COURSE CONTENTS:

Each student is expected to prepare a design thesis based on the preliminary work undertaken in the Pre Thesis Seminar, under an approved guide/adviser by the department.

The objective of stage-II is to develop design abilities for a demonstration of research & base work studies done in Stage-1for the identified domain. These abilities are to be demonstrated in an architectural design project. Design Development will have contents such as form development, stress on focus, development of spaces, aesthetics, services, Landscape, sustainability, barrier-free etc. It will be represented through various mediums such as sketches, conceptual drawings, design drawings, technical drawings, models & report. The complete Thesis Project will be guided by Individual Guide & Institutional Panel. The outcomes will be progressively evaluated by Independent Experts. The student will be allowed to offer his work for all levels of evaluation only after the respective level of work is approved by the Guide & Institutional Panel. The process for Thesis II- Project will include – Description, Case Study, Site Study- Analysis & Inferences, Development of specific Design Guidelines; Design Program & Area Requirements, Conceptual Development, Design Development, Final Design, Presentation.

The design Thesis shall comprise of Architectural Design proposals, Structural design for a component of the architectural design proposal. The Component of Design for which structural design is to be provided will be chosen with the help of faculty in charge of structural design subject. The student will also be required to produce a project feasibility report for the specific design undertaken for the design thesis.

The thesis should reflect the knowledge gained from the course learnt in the previous semesters

The particulars of schedule, content, presentation, format etc., is to be decided by the department, from time to time and shall be strictly followed.

At the end of the semester, each student is expected to submit all original drawings prepared as per the department's specifications. Three copies of the report in the specified format along with a model submitted to the department, after obtaining the approval of the respective guides/advisers.

The department shall schedule the final viva-voce, at its convenience, only after the receipt of the thesis submitted by a student. The performance sheet submitted by the advisor and the thesis committee should be the basis for allowing the student to appear for the final viva- -voce.

For End exam, viva-voce is to be conducted by a jury comprising of an external examiner, one internal examiner and head of the department or his nominee.

For the structural design project and Project Feasibility report, a separate External Viva-voce will be conducted.

Data Documentation and Analysis ; Understanding the nature of data collected and methods of analysis suitable for that data (graphical / numerical / descriptive). Converting data into numerical form for data analysis.

Introduction to the Statistics ; Introduction to the simple statistical methods of analyzing numerical data – frequencies / percentages, mean / median / mode, correlation, chi square test – inferring from the data and interpreting the meaning of those inferences. Use of MS Excel for statistical data analysis.

Presentation of the Data Techniques of presenting the numerical data – graphical (pie charts, bar charts, line graphs etc.), tabulations, verbal qualitative data, architectural drawings / maps. Reporting the Research ; Different sections of a research report, technical writing and language (tense, voice,etc.), formatting of a report.

SYNOPSIS
CASE STUDY, SITE ANALYSIS AND AREA PROGRAMMING
SCHEMATIC DESIGN
DESIGN FINALIZATION
PRE-FINAL DESIGN
FINAL THESIS SUBMISSION

GUIDELINES

One Major exercise is to be set from the entire syllabus, The topic of the project is to be displayed on Institute Notice Board fifteen days in advance OF commencement of the classes

NOTE :

Necessary theoretical inputs to be given highlighting the norms and design issues. The topics not covered as design problems will have to be covered by the Studio faculty members through lecture/slideshow sessions and site visits.

In end exam which is a viva-voce, the students have to present the entire semester work for assessment.

Evaluation is to be done through viva voce by an external examiner appointed by the university at Institute. Portfolios, after the university exam, shall be retained at the Institute level for the viva - voice

REFERENCE BOOKS:

Mukhi, H.R. Technical Report Writing: Specially prepared for Technical and Competitive Examinations, New Delhi: Satya Prakashan, 2000.
Barrass, Robert. Writing At Work \ b a guide to better writing in administration, business and management, London: Routledge, 2003.
Seely, John. The Oxford guide to effective writing and speaking, 2nd ed., Oxford; New York: Oxford University Press, 2005.
Jo Ray McCuen, Anthony Winkler. Readings for writers, 9th ed., Fort Worth : Harcourt Brace Institute Publishers, 1998.
Treece, Malta. Effective reports, 2nd ed., Boston: Allyn and Bacon, 1985.

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ARCH 007: SEMINAR

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 007	PR	THEORY	SEMINAR			1	1	2							50		50	50	

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COURSE OVERVIEW:

The course provides students with a framework to understand some emerging concepts in architecture and projects of design complexity and equip the student with adequate research methods for the realization of thesis concept. During the course of study, the subject of the thesis is developed and the project articulated. The course provides a framework of the discipline by addressing the theoretical, social, Historical, technological, professional aspects of Design.

OBJECTIVES OF THE COURSE:

To impart knowledge to students, on the tools and methods needed to handle a design project of reasonable complexity individually

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED:

The skills required to collect, assimilate and synthesis data relevant to handle a research project independently.

COURSE CONTENTS:

To develop the investigative skills of students, through researching one of the topic areas covered in the course. To allow students to discuss ideas & findings in class with their fellow colleagues & the course instructor, hence creating a motivating environment for learning. To develop the capacity of the students to work either in a group or individually undertaking research in a given subject relating to architecture, presenting the observations verbally & graphically, to explore & Understanding the essence of a design. Acknowledge, appreciate & convey the meaning of quality designs. Identify & study the working of various systems of architecture. The approach, investigate & highlight the various socially relevant issues of design through seminars.

The Seminar shall be a research paper on a subject of theoretical nature on any aspect of architecture. This may or may not be related to the thesis topic. The overall supervision shall be by a Seminar Co-ordinator to be Appointed from within the faculty and the individual guidance shall be provided by experts in the subject, preferably from within the faculty but in exceptional cases, if found expedient in the opinion of the Co-ordinator, outside experts may be appointed. The thrust of the seminar shall be on achieving a thorough understanding of the topic of study and on the ability to present it to an intelligent and critical guidance.

GUIDELINES

One task/ exercises are to be set from the entire syllabus

The topic of the project is to be displayed on Institute Notice Board fifteen days in advance OF commencement of the classes

Independent study and documentation of architectural and allied subjects by individual student along with 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.

NOTE :

Students would need to undertake one of the design subjects or issues.

Evaluation is to be done through viva voce by an external examiner appointed by the university at Institute. Portfolios, after the university exam, shall be retained at the Institute level for the viva - voice

REFERENCE BOOKS:

Anderson, J. and Poole, M. (1998). Thesis and assignment writing. Brisbane: John Wiley.
2. Borden, I. and Ray, K. R. (2006). The dissertation: an architecture student's handbook. 2 and Ed. Oxford: Architectural Press.
3. Fink, A. (1998). Conducting research literature reviews: from paper to the Internet. Thousand Oaks: Sage.
4. Murray, R. (2005). Writing for academic journals. Berkshire: Maidenhead, Open University Press.

ARCH 008: PROFESSIONAL ETHICS AND HUMAN VALUES

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 008	PR	THEORY	PROFESSIONAL ETHICS AND HUMAN VALUES	2			2	2	10	10	10	50	40	100				100	3

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COURSE OVERVIEW:

The course provides an overview and specific conditions of COA regulations, Architects Act 1972 in Architectural practice.

OBJECTIVES OF THE COURSE:

To impart awareness and technicalities of the code of conduct, and the significance of Architects Act 1972 in Professional Practice.

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED:

Legal, Technical and Financial aspects of Architectural practices and management skills for professional practice.

COURSE CONTENTS

- Introduction: Architect's Act 1972; Architectural Profession, Code of Conduct & Ethics, Acts & Legislation, Duties & Liabilities, Role & Responsibility, Nature of Profession, Regulatory bodies, Professional bodies
- Architectural Competitions: Classification, benefits & drawbacks, methods, rules & regulations, Appointments & Duties of Assessors & Adviser. Withdrawal of Competition. Architectural Copyrights: meaning, importance & precautions.
- Tenders: Definition, Types, Conditions, Tender Notice, Documents, EMD; Tendering process. Contract: Definition, Types, Contract agreement, necessity, contract document.
- Arbitration & Conciliation: Arbitration & Conciliation Act 1996; Nature, Appointment, Conduct, Powers & duties; Procedure & awards.
- Practice & Management: Types, Office set-up & administration, Registration, Practice Procedure; Expansions, Collaborations, Global practice. Coordination with supporting consultants; Task allocation – Work plans, monitoring the plans, review meetings, record keeping, Accounting, Human resources. Ways of getting works, types of works. CoA's Conditions of Engagement & Scale of Charges.
- Preliminary knowledge of the transfer of property Act; registration, stamp duty under registration and Govt. Power. Income tax, wealth, land acquisition Acts; general information about land acquisition procedures. Accidents during the progress of work and after completion, damage to persons and properties affected; workmen's compensation Act with regards to the affected persons and properties. Consumer Protection Act and related acts on Architects. (Atc 20 of 1942) Architects Act 1972; Professional Practice Regulation and architectural education regulations under the Architects Act.

GUIDELINES FOR QUESTION PAPER SETTING

All Theory Courses -

- Part- A (5 NOS X 2 MARKS = 10 MARKS) Answer all questions
- Part- B (2 NOS X15 MARKS = 30 MARKS)
- (Either or type)

• Students will be required to attempt five questions from the Eight questions, are to be set from entire syllabus. where 2 questions may be short answer type which is compulsory with 2- 3 subheads and 2, short with 4 subheads answer type and 4 essay type questions.

• Students should attempt total Seven Questions including the compulsory question.

• Question paper is to be set covering the entire syllabus.

NOTE:-Emphasis should be laid on understating of building ethics. The continuous evaluation shall be made of students work based on various models, assignments and reports

REFERENCE BOOKS:

Banerjee, D.N. Principles and Practice of Valuation, 5th ed. Eastern Law House, Calcutta, 1998.
Dalton, J. Patrick. Land Law, 4th ed. Pitman Pub., London, 1996.
Indian Institute of Architects. H.B. Professional Practice. The Architects Pub.Bombay.
Indian Standards Institution. National Building Code of India 1983. Indian Standards Institution, New Delhi, 1984.
Namavati, H. Roshan. Professional Practice, 8th ed. Lakshani Book Depot, Bombay, 2001.
Namavati, H. Roshan. Theory and Practice of Valuation, 2nd ed. Lakshani Book Depot, Bombay, 1991.
M.Dedbhkth Architectural practice in India by Prof.M.Deobhkta
V.SApte: Arch Practice Procedures

ARCH 019: ELECTIVE - VIII

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 019	SU	STUDIO	ELECTIVE-IX (POOL III)			1	1	2							100		100	100	

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COURSE OVERVIEW:

The following is a representative list of what may constitute Institute projects:
Seminars, Tutorials/ additional classes for any course, Guest Lectures, putting up Exhibitions, Workshops, participating in Architectural Competitions or conducting Site Visits or Study Tours. Provides knowledge to support student being sensitive design;

- a paper presentation and a summer case study

OBJECTIVES OF THE COURSE:

overall nurturing of the student with issues in practice and field outside

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED:

better grooming than just books and theories.

COURSE CONTENTS:

The creative electives provide an opportunity to express talents which are different from architecture but related to imagination, visualization & creation. They offer hands-on experience of unique ingenuity & workmanship. The essence of the creative domain can be achieved by exploring different materials, techniques, processes; developing creative products; finishing & presenting the product for the concepts evolved. The outcome will be through portfolio & presentations. Where the workshops or MOOCs help them explore the thesis topics relevant to individual

As Per Pool Electives Choices Stage III Odd semester pool

Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore

Deputy Registrar
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore