



DEPARTMENT OF

ARCHITECTURE

| COURSE PLAN – PART I | | | |
|---|--------------------------------------|--|-------|
| Name of the programme and specialization | B.ARCH. | | |
| Course Title | ARCHITECTURAL GRAPHICS- I | | |
| Course Code | AR 107 | No. of Credits | |
| Course Code of Pre-requisite subject(s) | | | |
| Session | July / January _____ | Section (if, applicable) | A / B |
| Name of Faculty | WILSON F | Department | ARCH |
| Official Email | wilson@nitt.edu | Telephone No. | 3561 |
| Name of Course Coordinator(s) (if, applicable) | Dr.P. Gopal | | |
| Official E-mail | | Telephone No. | |
| Course Type (please tick appropriately) | <input type="checkbox"/> Core course | <input type="checkbox"/> Elective course | |
| Syllabus (approved in BoS) | | | |
| <p>Essentials and Principles of Architectural Graphics: Lines, Lettering, Dimensioning and application of simple Geometric Construction. Introduction to Scales, Representative Factor, Plain Scale, Diagonal Scale and Comparative Scale and its use in Architectural Drawings.</p> <p>Introduction to Orthographic Projection: The Four Quadrants and the types of projection. Third Angle and First Angle Projection. Projection of Points, Lines and Planes. Orthographic Projection of Solids with emphasis on the First Angle method. Introduction to Projection on the Profile Plane/ Auxiliary Projection. Simple and</p> <p>complex Solids, Shifting of the Object and Moving of the Plane. Sections of Solids and True Shape of the Section. Intersection/ Interpenetration of Solids.</p> <p>Development of Surfaces: Parallel line and Radial line Development.</p> <p>Isometric Drawing and Projection: Difference between Isometric View and an Isometric Projection. Construction of Isometric scale- Methods. Simple and Complex Solids.</p> <p>Learning to observe, measure and draw to scale the plans, elevations of simple objects such as Furniture and small Buildings.</p> | | | |
| COURSE OBJECTIVES | | | |
| To enhance the drafting skill of the students | | | |



| | |
|---|---|
| To use drafting as a means of communication | |
| MAPPING OF COs with POs | |
| Course Outcomes | Programme Outcomes (PO) (Enter Numbers only) |
| 1. Presentation Skill improvement | |
| 2. Visual thinking | |
| 3. Orthographic projection techniques | |
| 4. Solid geometry | |
| 5. | |

| COURSE PLAN – PART II | | | |
|--|---|---|-------------------------|
| COURSE OVERVIEW | | | |
| | | | |
| COURSE TEACHING AND LEARNING ACTIVITIES | | | (Add more rows) |
| S.No. | Week/Contact Hours | Topic | Mode of Delivery |
| 1 | 1,2 3,4 5,6 7,8 9,10 11,12 13,14 15,16 | Introduction an architectural lettering Drafting development Proj. of points, Quadrants, lines and planes Proj. of solids, inclination of planes Sections and true sections Intersection Development Isometric | M S Teams |



| S.No. | Mode of Assessment | Week/Date | Duration | % Weightage |
|-------|--------------------------|----------------------|----------|-------------|
| 1 | Plates 1-7 | 1-5 | | 15 |
| 2 | Test (120mins) | 9 th Feb. | 2 Hours | 20 |
| 3 | Plates 8-15 | 6-11 | | 15 |
| 4 | Late | 12-16 | | 20 |
| CPA | Compensation Assessment* | | yes | |
| 5 | | | | |
| 6 | Final Assessment * | | | 30 |

***mandatory; refer to guidelines on page 4**

COURSE EXIT SURVEY (mention the ways in which the feedback about the course shall be assessed)

COURSE POLICY (including compensation assessment to be specified)

ATTENDANCE POLICY (A uniform attendance policy as specified below shall be followed)

- At least 75% attendance in each course is mandatory.
- A maximum of 10% shall be allowed under On Duty (OD) category.
- Students with less than 65% of attendance shall be prevented from writing the final assessment and shall be awarded 'V' grade.

ACADEMIC DISHONESTY & PLAGIARISM



NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.
- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- The departmental disciplinary committee including the course faculty member, PAC chairperson and the HoD, as members shall verify the facts of the malpractice and award the punishment if the student is found guilty. The report shall be submitted to the Academic office.
- The above policy against academic dishonesty shall be applicable for all the programmes.

ADDITIONAL INFORMATION, IF ANY

FOR APPROVAL

Wilson F
Course Faculty _____

CC- Chairperson _____
Dr. Gopal

HOD _____
Dr. Thirumaran



Guidelines

- a) The number of assessments for any theory course shall range from 4 to 6.
- b) Every theory course shall have a final assessment on the entire syllabus with at least 30% weightage.
- c) One compensation assessment for absentees in assessments (other than final assessment) is mandatory. Only genuine cases of absence shall be considered.
- d) The passing minimum shall be as per the regulations.

| B.Tech. Admitted in | | | | P.G. |
|---|------|---|------|------|
| 2018 | 2017 | 2016 | 2015 | |
| 35% or (Class average/2) whichever is greater. | | (Peak/3) or (Class Average/2) whichever is lower | | 40% |

- e) Attendance policy and the policy on academic dishonesty & plagiarism by students are uniform for all the courses.
- f) Absolute grading policy shall be incorporated if the number of students per course is less than 10.
- g) Necessary care shall be taken to ensure that the course plan is reasonable and is objective.