


**TENTATIVE TEACHING PLAN (THEORY)**Department: **Civil Engineering**Name of Teacher: **Engr. Masroor Ali Jatoi**Subject: **Construction Engineering**Course Code: **CE231** Batch: **21CE (B+C)**Year **Second**Semester **Second**Semester Starting Date: **03-07-2023**Semester Suspension Date: **20-10-2023****Course Learning Outcomes:**

After completing the 'Construction Engineering' course, each student will be able to:

| CLO No. | Description  | Taxonomy Level | PLO |
|---------|--|----------------|-----|
| 1       | Discuss different construction methodologies being used in construction Industry | C2             | 1   |
| 2       | Apply acquired knowledge to supervise different components of building works.    | C3             | 2   |

| S #                        | Topic   | CLO | No: of lecture hrs. required |
|----------------------------|---|-----|------------------------------|
| 1.                         | Introduction to the subject, syllabus / teaching plan etc   | 1   | 2                            |
| 2.                         | An overview of constructional aspects of different type of engg. projects                         | 1   | 3                            |
| 3.                         | Building layout, construction and dewatering techniques   | 1   | 3                            |
| 4.                         | Water proofing techniques and materials, use of admixtures to prevent efflorescence in brick-work | 1   | 4                            |
| 5.                         | Temporary Structures constructed in sub structure and super structure                             | 1   | 5                            |
| 6.                         | Brick, stone, concrete masonry and concrete blocks  | 2   | 4                            |
| 7.                         | Bonds, types of bonds and its types   | 2   | 3                            |
| 8.                         | Arches and lintels, its types and construction  | 2   | 3                            |
| 9.                         | Doors and Windows and their types and allied services and applications                            | 2   | 3                            |
| 10.                        | Walls, its types and construction   | 2   | 2                            |
| 11.                        | Floor and various types of floor finishes   | 2   | 2                            |
| 12.                        | Roofs, its types and construction   | 2   | 2                            |
| 13.                        | Thermal insulation of building  | 2   | 2                            |
| 14.                        | Heating and ventilation   | 2   | 2                            |
| 15.                        | Acoustics of building and use of sound proof materials  | 2   | 2                            |
| 16.                        | Common defects in construction  | 2   | 2                            |
| 17.                        | Maintenance of buildings  | 2   | 2                            |
| 18.                        | Services in buildings including domestic water supply, drainage and piping                        | 2   | 2                            |
| <b>Total Lecture hours</b> |   |     | <b>48</b>                    |

Signature of Teacher: 

Dated: 20-06-2023

Remarks of DMRC: **APPROVED**

Signature of Chairman

A handwritten signature in blue ink, featuring a circled 'K' at the top left and the name 'Kishan' written below it. The signature is underlined with two parallel lines.

Dated: 01-08-2023