

Course syllabus

Department of Civil Engineering, Indian Institute of Technology Madras

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**CE5040W - Design Studio in Bridge Engineering**

**Credit Distribution:** C:9 L:0 T:0 P:3 E:0 O:6 TH:0

**Course Type:** Others

**Description:** To provide students with understanding of:

- (1) Analysis, design and detailing of bridges considering one concept at a time, and
- (2) Comparison with observations in literature and with other international standards.

**Course Content:** Conceptual Design with one aspect in focus at a time Thumb rule design, integrated approach for design, numerical models and analyses, structural design, Structural drawings

**Text Books**

- None

**Reference Books**

- Reference texts of all courses of the program

**Prerequisite:** NIL