| Course Number and Name |
|---|
| **BCE057 - DESIGN OF R.C.FRAMED STRUCTURES** |
| Credits and Contact Hours |
| **3 & 45** |
| Course Coordinator's Name |
| Mr.T.P.Maikandaan |
| Course Objective |
| • The design aspects and analysis methodologies of tall buildings will be introduced. The stability analysis of tall buildings is another important objective of this course. |

| Prerequisites | Co-requisites |
|---|---|
| Reinforced Concrete Structures – I | NIL |

| required, elective, or selected elective (as per Table 5-1) |
|---|
| |

| Course Outcomes (COs) | |
|---|---|
| CO1 | Computation of design moments and shears. |
| CO2 | Analysis for wind and earthquake effects, Design of beams, columns and slabs. |
| CO3 | Design by empirical and rigid frame analysis. |
| CO4 | Design of various types of shear walls and detailing |
| CO5 | Moment distribution and FEM methods of analysis of tall building using standard packages. |

Student Outcomes (SOs) from Criterion 3 covered by this Course

| COs/SOs | a | b | c | d | e | f | g | h | i | j | k |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CO1 | | | H | H | H | | | | | | |
| CO2 | | | H | H | | | | | | | |
| CO3 | | | H | H | | | | | | | |
| CO4 | | | H | H | | | | | | | |
| CO5 | M | | H | H | | | | | | | |