

TRAINING PROGRAM

Fisrt day: May 04, 2023 ; Classroom LMB136

ACTION COMBINATION

1. Types of action
2. Combination of actions
 - 2.1. Combination of actions-Ultimate Limit State (ULS)
 - 2.2. Combination of actions-Serviceability Limit State (SLS)

CROSS SECTION CLASSIFICATION

1. Cross section classes
2. Determination of cross section class

Second day: May 05, 2023 ; Classroom LMB136

STEEL BEAM RESISTANCE

1. Bending resistance
2. Shear resistance
3. Shear buckling resistance
4. Lateral torsional buckling resistance

STEEL COLUMN RESISTANCE

1. Cross section resistance
2. Column buckling resistance

Third day May: 06, 2023 ; Classroom LMB136

STEEL TENSION MEMBER RESISTANCE

1. Steel tension member resistance
2. Net area specifications for non-staggered and staggered fasteners
3. Steel angle member in tension

JOINT RESISTANCE

1. Bolted joint resistance
 - 1.1. Bolted joint shear resistance
 - 1.2. Bolted joint bearing resistance
 - 1.3. Bolted joint tension resistance
 - 1.4. Bolted joint combined {shear+tension} resistance
2. Welded joint resistance