

SAP CERTIFICATION

STUDENT LEVEL

1 General

- 1.1 Self-Help (wiki, Documentation, F1, watch and learn videos, example problems)
- 1.2 Program level and features
- 1.3 Menu functions
- 1.4 Display Options

2 Modeling

- 2.1 Modeling elements (Joints, Frames, Shell)
- 2.2 Drawing methods and options
- 2.3 Elements and material properties
- 2.4 Element assignments
- 2.5 Selection methods and group definitions

3 Loads

- 3.1 Load patterns definitions
- 3.2 Functions definitions
- 3.3 Load Cases definitions
- 3.4 Modal cases
- 3.5 Mass source
- 3.6 Load combination
- 3.7 Assign loads
- 3.8 Display loads

4 Analysis

- 4.1 Mesh options
- 4.2 Case to run
- 4.3 Run analysis log
- 4.4 Check model
- 4.5 Analysis options

5 Design

- 5.1 Frame design procedures (Steel, concrete, composite, joist)
- 5.2 Wall, slab design
- 5.3 Design codes
- 5.4 Design combinations
- 5.5 Design parameters



6 Results

- 6.1 Modal information
- 6.2 Displacements
- 6.3 Reactions
- 6.4 Forces
- 6.5 Design forces**
- 6.6 Design results summary**