

Pavement Computer Assisted Structural Engineering (PCASE)

Design Workshop

Course Outline

Day 1

- Introduction
- Overview, Getting Started and Preferences
- Toolbars
- Pavement Types, Design Criteria, and Performance Models
- Traffic

Day 2

- Flexible Pavement Design
- Base Courses & Subbases
- Subsurface Drainage
- Subgrades & Compaction
- Unsurfaced Airfield, Road, and Parking Design
- Mats surfaced Airfield Design
- Seasonal Variations

Day 3

- Rigid Pavement Design
- Reinforced Rigid Pavement Design
- Base Course, Subgrade, Effective K
- Stabilized Base
- PCC Overlays
- AC Overlays

Day 4

- PCC/AC Overlays
- Shoulders
- Layered Elastic Design
- Layered Elastic Design with Seasonal Variations
- Design Final Exercise