

# Design of Concrete Slabs-on-Ground

ONE DAY, 7.5 HOURS

Learn from the experts about slab design

## Program Content:

- **Theoretical background for current analytical procedures and design aids**  
Geotechnical considerations for supporting base and subgrade
- **General discussion**  
Thickness design  
Slab reinforcing and detailing
- **Design examples**  
Nonreinforced slabs, reinforced and structurally reinforced slabs  
Post-tensioned slabs and slabs using shrinkage-compensating cement  
Conventional and fiber reinforcing  
Assessing performance expectations, risks and relative costs
- **Specific detailing and specification sections required for complete contract documents**  
Prescriptive versus performance specification approaches  
Concrete mixture design and analysis  
Tolerances, surface treatments, curing and protection  
Jointing and load transfer at joints
- **Contract administration**  
Prebid and preconstruction meetings  
Substitutions and submittals  
Field observations  
Reconciliation of the design with actual construction

## Who should attend:

Engineers and designers will gain practical tools and information that can be used right away for slab design.

## Instructors:

Barry E. Foreman, James H. Loper, Arthur W. McKinney, and R. Gregory Taylor.

## Seminar handouts:

ACI 360  
Articles on slab design  
Speaker Notes



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