



Cementing Engineering Software Suite Training Syllabus

Day 1 (8am–5pm)

- Cement functions
- Success and failure
- Fluid properties
- Rheology and flow patterns
- U-tubing, EMW and ECD
- Hydraulics overview for displacement operations
- Class exercise

Day 2 (8am–5pm)

- Review of important concepts from day one
- Casing centralization
- Casing standoff and its impact on hydraulics
- Temperature modeling
- HTHP considerations
- Land and offshore wells
- CentraDesign/CEMPRO software introduction
- Class exercise

Day 3 (8am–5pm)

- Review of important concepts from previous days
- Displacement efficiency modeling
- How to improve cement success rates
- Foam cementing
- Torque and drag during cementing
- Cement stress model
- Class exercise

****1 hour lunch break****

****10 minutes break every hour****