Module 1 – Introduction of Single-Failure-Proof Cranes
- History of the Standards Committee on Cranes for Nuclear Facilities
- Scopes of ASME NUM-1 and ASME NOG-1
- What industries use ASME NUM-1 and ASME NOG-1
- Type I, Type II, and Type III equipment
- The critical load

Module 2 – Philosophy of Single-Failure-Proof Cranes
- Why common crane accidents occur
- Determine if the lifting material is critical
- A common electric hoist arrangement
- The design elements of an SFP crane.

Module 3 – ASME NOG-1 Design Features
- Mechanical features of a Type I crane in ASME NOG-1
- Electrical features of a Type I crane in ASME NOG-1
- Design features of Type II and Type III cranes in ASME NOG-1

Module 4 – ASME NUM-1 Design Features
- Similarities and differences of ASME NUM-1 and ASME NOG-1
- The Type IA and Type IB equipment covered in ASME NUM-1
- Similarities and differences between Type IA and Type IA equipment in ASME NUM-1
- The Type II and Type III equipment in ASME NUM-1