• Section III, Division I, Overview, Subsection NCA
  – Overview and organization of Section III of ASME B&PV Code
    ▪ Scope of Section III
  – Introduction to Nuclear Power Plants
• Classification of Components and Supports - Article NCA-2000
• Responsibilities and Duties - Article NCA-3000
• Quality Assurance Requirements - Article NCA-4000
• Authorized Inspection - Article NCA-5000
• Subsection NB - Class 1 Components
• Application of Concepts - Article NB-3200
• Class 1 Vessel Design
  – Article NB-3300 Finite Element Analysis, Stress Classification & interpretation of FEA Stress Results for NB-3200 Design
• Piping and Valves
• Pipe Fittings and Components
• Piping Stress Analysis as per ASME Code
• ASME Nuclear Class 1 Piping Stress Analysis
• Valves - NB-3500
• Class 1 Pumps - Subsection NB-3400
• Supports for Class 1 Piping - Subsection NF
• Layout Considerations in Class 1 Piping Systems
• Specific Component Support Requirements
• Class 2 & 3 Code Requirements