RADTRAD-NAI Training Syllabus

Topics generally covered in the introductory training course include:

- Introduction
- Basic Dose Analysis Topics
- Meteorological Data and Atmospheric Dispersion Factors
    - Focusing on how values are used in offsite and control room dose calculations
- Source Terms
    - Core design
    - Fuel failures
    - Reactor Coolant System inventory
    - .NIF and .DCF files
- Iodine Spiking
    - Pre-accident
    - Accident initiated (concurrent)
- Control Room HVAC Modeling (with recirculation and in-leakage)
- RADTRAD Model Limitations
- Design Basis LOCA Modeling
    - Sprays
    - Containment release
    - Dose point set-up
- Timestep Sensitivity
- Example Exercises
    - RADTRAD-NAI fundamentals
        - Logging into Numerical website
        - Using the graphical user interface
    - Fuel Handling Accident
    - Design Basis Loss of Coolant Accident