Classroom Training

The classroom training sessions will be held on the first two days of the program in the RTL building (3000 area).

The lecture will be formal in the sense that a basic core of information will be provided to the students, but informal in that the students will be encouraged to ask questions and the instructor may then tailor his/her discussion to these questions. A list of references will be provided to the students with each topic that is covered and they will have free access to the technical libraries in the RTL building and the 3760 building during the entire ten day program.

November 29

8:30 - 9:45 am	Radioactive decay mechanisms and calculations. Radioactive series - equilibrium conditions and calculations.
9:45 - 10:00 am	Break
10:00 - 12 noon	Interaction of radiation with matter. Radiation dosimetry - units, source strength calculations.
12 noon - 1:00 pm	Lunch
1:00 - 2:00 pm	Biological effects, risk assessment.
2:00 - 3:00 pm	HP instrumentation and calibration.
3:00 - 3:15 pm	Break
3:15 - 4:30 pm	Radiation and contamination surveys. Air sampling procedures.

November 30

8:30 - 9:15 am	External radiation protection.
9:15 - 10:15 am	Internal radiation control and dose assessment.
10:15 - 10:30 am	Break
10:30 - 12 noon	Radiation protection standards, guides, and limits (Kathren) - ALARA philosophy, DOE orders, Code of Federal Regulations.
12 noon - 1:00 pm	Lunch
1:00 - 2:00 pm	Library study.
2:00 - 3:00 pm	Control procedures and handling of radioactive materials.
3:00 - 3:15 pm	Break
3:15 - 4:00 pm	Wrap up. The importance of good health physics practice