

Collaborative Distance Education Course on Radiation and Dosimetry in Nuclear Health Physics

Executive Summary

The objective is to create and test-deliver "*Radiation and Dosimetry in Nuclear Health Physics*," a new 3-credit online, hands-on Big 12 Nuclear Engineering (NE) technical elective. The project is highly innovative in its attributes, collaborative strategies, and delivery and is enabled by pooling complementary skills, interests, and resources at three Big 12 Engineering Consortium schools, of which only one has its own NE program. The course addresses gaps in the programs of the proposing schools and in the Big 12 NE program. Being modular and openly available to instructors, this elective and its parts are particularly designed to attract and encourage students in science and engineering programs toward further education and careers related to nuclear power, nuclear engineering, and/or nuclear radiation in health and other fields. The benefits are expected to be sustained and to grow after project completion at schools with, and without, NE programs.

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