Course Title: PHYS 9991 – Capstone Project

Prerequisites: The Capstone Research Experience is a culminating course of the PSM program, open only to PSM students with a minimum GPA of 3.0 who have taken all of the core courses (unless waived) of the program.

Course Description:
This capstone project is designed to provide students with experience in applied medical dosimetry. For each student, the Capstone internship will be supervised and mentored by a medical dosimetry professional or research scientist. The Capstone may be conducted with a Temple University scientist or a scientist from Fox Chase Cancer Center, as approved by the Steering Committee. Co-advising is encouraged.

The Capstone project requires a total of one credit. During the first part of the Capstone a student will identify or be assigned a mentor and begin the project. The majority of the actual work for the project will be conducted in the second semester of the second year. This project-based approach will enhance interdisciplinary learning and workplace skills, while requiring that students put their technical knowledge into practice. This level one fieldwork experience is an opportunity to demonstrate the practice of medical dosimetry in the clinical environment at a basic level. The course provides an opportunity to integrate the didactic curriculum learned for the successful completion of the MDCB exam.

Course Goals:
- This course is a hybrid academic/professional experience in which students integrate their class acquired knowledge with practical skills/experiences gained in a non-academic setting.
- Students will have on-site responsibilities, which will be determined in consultation with the site mentor, and academic responsibilities, which will be concluded with a presentation of their work on the project.

Bibliography:
There is no required textbook for the course. Course mentors can recommend various references (texts and journal articles) particular to topics of interest.

Course evaluation:
Students will complete a presentation at the end of their project. The tabulated results will be reviewed by the instructor, the director of the program, and the student’s mentor. Issues will be identified and managed to successful remediation. Relative Weight: 50%
The student will have weekly contact with the faculty sponsor throughout the duration of the internship to discuss student progress. Relative weight: 20%
Students will be prompted during the semester to provide evaluations of their experiences to their mentor. Relative weight: 30%