



Department of Physics and Astronomy  
SPRING 2022 Colloquium Series

# “So, You Want to Be a Health Physicist? An introduction to radiation followed by a sight-seeing tour of your friendly, local radiation control agency”

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Health Physics is the science (and art) of radiation protection. Radiation and radioactive materials are all around us and health physicists ensure that occupational workers, members of the general public, and the environment are protected from the potential hazards associated with radiation and radioactive materials while still making it possible to apply the beneficial uses. Applications of radiation and radioactive materials range widely to include research and development, industry, medicine, use of nuclear reactors for production and power generation, and military defense. This will be an introduction to health physics, radiation, and radioactive materials while presenting on the biological effects of radiation and fundamentals of safety and protection against those effects. This will also include the role of international, federal, and state regulatory agencies to ensure the protection of workers, the public, and the environment. The conclusion will be a sight-seeing tour of my experiences in health physics and all the adventures it has taken me on from entry-level, recent graduate to my current role as Senior Health Physicist.

**Thursday, Apr. 28, 2022**

**4:00 - 5:20PM**

Talk will be **IN PERSON** in MND1015 and not also recorded

*Open & Free to all students, faculty and public*