Nanomedicine (NNMD)

Search NNMD Courses using FocusSearch (http://catalog.northeastern.edu/class-search/?subject=NNMD)

NNMD 4991. Research. (4 Hours)
Offers an opportunity to conduct research under faculty supervision.

Attribute(s): NUpath Integration Experience

NNMD 5270. Introduction to Nanomedicine. (3 Hours)
Provides an overview of the distinctive features of nanotechnology and its applications in medicine. Examines cutting-edge research in disease screening, diagnosis, treatment, and prevention. Includes active participation of students through in-depth discussions about clinical and emerging technologies. Taught by Northeastern faculty and guest speakers.

Attribute(s): NUpath Natural/Designed World, NUpath Writing Intensive

NNMD 5272. Nanomedicine Seminar 1. (1 Hour)
Presents scientific findings and innovations in the field of nanomedicine by leading researchers and clinicians, with a focus on emerging technologies for public health. Offers students an opportunity to learn about unmet needs and career opportunities in nanomedicine. May be repeated without limit.

NNMD 5274. Nanomedicine Seminar 2. (1 Hour)
Presents scientific findings and innovations in the field of nanomedicine by leading researchers and clinicians, with a focus on emerging technologies for public health. Offers students an opportunity to learn about unmet needs and career opportunities in nanomedicine. May be repeated without limit.

NNMD 5370. Nanomedicine Research Techniques. (4 Hours)
Offers an in-depth look at laboratory methods and tools for studying nanomaterials used in biology and medicine. Includes hands-on sessions with experts in nanoparticle synthesis, electron microscopy, optical microscopy, magnetic resonance imaging, high-performance liquid chromatography, in vitro measurements of nanoparticle bioactivity and cytotoxicity, and in vivo measurements of treatment efficacy.

NNMD 5470. Nano/Biomedical Commercialization: Concept to Market. (3 Hours)
Offers a comprehensive overview of the commercialization process for nano- and biomedical technologies. Discusses the key elements of a successful business plan, including scientific innovation, market assessment, customer discovery, intellectual property protection, business modeling, and value extraction. Also covers regulatory processes and market-specific strategies for raising capital. Offers students an opportunity to gain entrepreneurship skills through the creation of a team business proposal. Students have opportunities to interact with guest entrepreneurs.

Attribute(s): NUpath Creative Express/Innov

NNMD 6962. Elective. (1-4 Hours)
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

NNMD 6984. Research. (4 Hours)
Offers an opportunity to conduct research under faculty supervision.