

REQUIRED COURSE TO AUDIT

Core Course

Cancer Nanomedicine – Under development.

Background Course

CBIO 241: Cellular Basis of Cancer (those with nanotechnology/engineering background)

Core course required for first-year Cancer Biology graduate students. Preference to graduate students; undergraduates require approval of course instructor to enroll. Focus is on key experiments and classic primary research papers in cancer biology, centering on cancer cellular biology.

Course Information:

[URL link for course description](#)

MATSC 316: Nanoscale Science, Engineering, and Technology (those with cancer/biology background)

This course covers important aspects of nanotechnology in nanomaterials synthesis and fabrication, novel property at the nanoscale, tools and applications: a variety of nanostructures including nanocrystal, nanowire, carbon nanotube, graphene, nanoporous material, block copolymer, and self-assembled monolayer; nanofabrication techniques developed over the past 20 years; thermodynamic, electronic and optical property; applications in solar cells, batteries, biosensors and electronics. Other nanotechnology topics may be explored through a group project. SCPD offering.

Course Information:

[URL link for course description](#)