MSEN6355 - Nanotechnology and Sensors

MSEN 6355 (BMEN 6355) Nanotechnology and Sensors (3 semester credit hours) Introduction to the concept of nanotechnology, in context toward designing sensors/diagnostic devices. Identifying the impact of nanotechnology in designing "state-of-the art" sensors for healthcare applications. Topics include: nanotechnology and nanomaterials, principles of sensing and transduction and heterogeneous integration toward sensor design. (3-0) Y