

Purdue CEE announces a **NEW** distance course in Spring 05!

Nano-Cleanroom Design & High-Tech Construction

CE 597N

Nano-Cleanroom Design & High-Tech Construction

Course details: <https://engineering.purdue.edu/CEE> Click on Graduate Programs, Course Offerings

Instructor: Professor Luh M. Chang, Associate Professor of Civil Engineering, with guest lectures by leading Purdue faculty in civil, mechanical and electrical engineering and physics, plus industry experts from Eli Lilly, Johnson Controls, and Delphi Delco Electronics - please *link to the following web page for class details:* https://engineering.purdue.edu/CEM/People/faculty_and_staff/chang.htm

Course Objective: *The purpose of this course is to provide basic knowledge needed for designing and building **cleanrooms** that supplement nano-manufacturing and nano-research. Nano-Tech / High-Tech includes, but is not limited to, the advanced technologies applied in the fields of microelectronics, nanotech, biotech, pharmaceuticals, optoelectronics, micro/nano electron mechanical systems, and telecommunications.*

Description: *The focus of this course is on designing a clean room and engineering its associated facilities. Students will learn how to meet the challenge of delivering an ultra pure clean room and ultra pure utilities.*

Benefits: *This course will strengthen students' understanding and background in designing and managing high-tech manufacturing and research facilities. It will provide an opportunity to acquire cutting-edge information on a topic of increasing importance for engineers, managers and anyone responsible for, or seeking qualification for **designing, building and certifying nano-manufacturing and nano-research cleanrooms.***

Delivery Mode: *IHETS, Videotape, Streaming Video*

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