NEW COURSE AVAILABLE! NEW COURSE AVAILABLE!

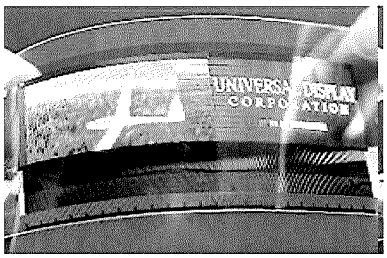
EECE431 Microfabrication

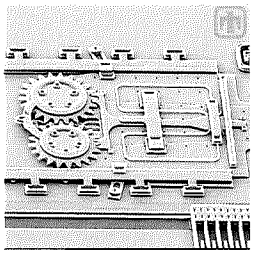
Introduction to clean room tools, procedures, and theory through the fabrication and characterization of various devices from the fields of electrical engineering, mechanical engineering, physics and chemistry. Fabrication of the devices will cover most clean room tools and techniques, including lithography based patterning methodologies; chemical vapor deposition; sputtering; thermal and e-beam evaporation; thermal oxidation; reactive ion etching; ion implantation; and wet chemical processing. The accompanying lecture will cover the theory of the tools used.

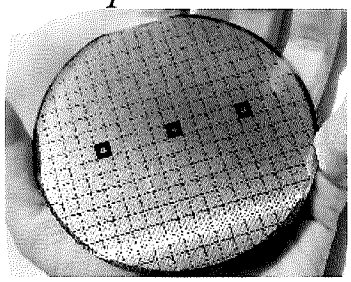
Lecture: TR, 1:15-2:40
Lab Section 1: M, 8:30-10:50 AM
Lab Section 2: W, 8:30-10:50 AM
Lab Section 3: T, 2:50-5:20 PM

Want to learn how to make

Flexible Displays? *Tiny Machines?* *Microprocessors?*







Learn and experience how these and other devices are made in the multidisciplinary course, EECE431: Microfabrication. Covers the theory of most microfabrication tools in the cleanroom, and includes a laboratory in which students will fabricate working transistors, light emitting devices and micro-electromechanical (MEMS) structures.

If interested, please contact:

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Office Hours: 2:45-3:30 Tuesday and Thursday, Watson commons (and usually available in Engineering and Science Building)