
Microfabrication Project Laboratory (6.151)

Technical Instructor

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This laboratory course is offered in the spring semester for students that have already completed 6.152J. The course is designed to teach experimental microfabrication process design. The students of this subject are given a broad process goal, namely to build a device, and they are challenged to design and develop a process sequence. Typically, the entire class (4-6 students) works on one device, and they partition the integrated process into a set of unit process sequences. Work proceeds first on the development of the unit processes, and then on the integrated process. In recent years, the students have succeeded in microfabricating micromachined contactors for integrated circuit testing, flexible electrode arrays for retinal implants, and micro-cantilevers for AFM applications.
