

# INDS 242C : Manufacturing Techniques

Introduces students to methods, materials, and manufacturing processes that translate design processes into mass-produced goods. A major component of downstream design activity involves manufacturing issues – the techniques by which materials are selected, manipulated, and then assembled. Consideration is also given to the selection of these materials to meet manufacturing and design criteria. In-class demonstrations of manufacturing techniques and site visits to local manufacturers will complement the classroom presentations.

**Credits** 3

**Lab/Practicum/Clinical Hours** 0

**Lecture Hours** 3

**Learning Outcomes**

- Understand the primary methods, materials, and manufacturing processes that translate design processes into mass-produced goods.
- Have the experience of the selection of these materials to meet manufacturing and design criteria.
- Understand the major component of downstream design activity involving manufacturing issues and the techniques by which materials are selected, manipulated, and then assembled.
- Have the experience of the selection of these materials to meet manufacturing and design criteria.