

## LABETTE COMMUNITY COLLEGE BRIEF SYLLABUS

### **SPECIAL NOTE:**

This brief syllabus is not intended to be a legal contract. A full syllabus will be distributed to students at the first class session.

### **TEXT AND SUPPLEMENTARY MATERIALS USED IN THE COURSE (if any):**

Please check with the LCC bookstore <http://www.labette.edu/bookstore> for the required texts for this class.

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|--------------------------------------|------------------------|
| <b><u>COURSE NUMBER:</u></b>         | INDU 131               |
| <b><u>COURSE TITLE:</u></b>          | ENGINEERING GRAPHICS I |
| <b><u>SEMESTER CREDIT HOURS:</u></b> | 3                      |
| <b><u>DEPARTMENT:</u></b>            | Drafting               |
| <b><u>DIVISION:</u></b>              | General Education      |
| <b><u>PREREQUISITE:</u></b>          | None                   |
| <b><u>REVISION DATE:</u></b>         | 5/2013                 |

### **COURSE DESCRIPTION:**

This course will teach the student the basics of drafting using AUTOCAD for Windows. No prior drafting is required. Drafting technique will be taught in this class. The student will learn to be proficient in the use of drafting skills. Given an idea, be able to produce acceptable drawings in compliance with ANSI standards. The student will be expected to develop acceptable skills in the art of drafting. Some of the areas covered will be; basic manual drafting tools and equipment, history and development of drafting practices, the theory of shape description, orthographic projection, dimensioning techniques, tolerance methods, fits and allowances and sectioning methods.

### **COURSE OUTCOMES AND COMPETENCIES:**

**Students who successfully complete this course will be able to:**

#### **1. Student will learn basic Drafting methods.**

- Draw complex objects.
- Apply dimensions.
- Apply CAD I techniques.