

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.

<u>COURSE NUMBER:</u>	EDUC 150
<u>COURSE TITLE:</u>	PREPARATION FOR SCIENCE
<u>SEMESTER CREDIT HOURS:</u>	1
<u>DEPARTMENT:</u>	Education
<u>DIVISION:</u>	General Education
<u>PREREQUISITE:</u>	None

COURSE DESCRIPTION:

Overall goal of this course is to help students prepare for beginning chemistry, biology, or physics courses. It is intended to be taken concurrently or before taking science courses. Course content includes, study skills, review of basic algebra and learning to use scientific and graphing calculators and Excel. A PLATO module on scientific reading can be studied in place of learning to use graphing calculators and Excel. (PLATO is a tutorial on computers).

COURSE OUTCOMES AND COMPETENCIES:

Students who successfully complete this course will be able to:

1. The student will be able to improve their ability to learn.

- Learn techniques for time management.
- Learn techniques for listening skills.
- Learn techniques for improving memory.
- Learn techniques for test taking.
- Learn techniques for forming study groups.

2. The student will be able to improve their algebra skills needed to succeed in beginning science courses.

- Manipulate algebraic equations and solve for unknowns.
- Change numbers in scientific notation to floating decimal numbers (and vice-versa).
- Graph data.

3. The student will be able to learn how to use scientific calculators.

- Enter numbers in scientific notation into calculators.
- Use calculators to do simple calculations.

4. The student will be able to learn to use graphing calculators.

- Enter data and graph.
- Program equations.
- Use the MATH menu.
- Download programs from the Internet.
- Use with Lab Pro and sensors.

5. The student will be able to learn to use Excel.

- Set up spreadsheets and enter numbers and titles into cells.
- Enter and copy equations into cells.
- Use the Chart Wizard to graph data.