

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>	PARA 126
<u>COURSE TITLE:</u>	PARAEDUCATOR VII
<u>SEMESTER CREDIT HOURS:</u>	1
<u>DEPARTMENT:</u>	Paraprofessional and Developmental Disabilities
<u>DIVISION:</u>	Workforce Education/Community Service
<u>PREREQUISITES:</u>	Paraeducator I, II, III, IV, V & VI Employed by school district or interlocal

COURSE DESCRIPTION:

This one credit-hour course is divided into thirteen topical areas: Introduction to Earth Science: Geology and Astronomy; Introduction to Earth Science: Meteorology and Oceanography; Basic Data Analysis II; Teaching the Scientific Method; Basic Algebra II: Patterns and Equations; Basic Algebra II: Graphing, Proportions, and Ratios; Basic Geometry II: Angles and Triangles; Basic Geometry II: Circles and Transformations; Life Science; Probability; Supporting Students with Speech or Language Disabilities in the General Curriculum; Geologic History; Human Body Systems.

COURSE OUTCOMES AND COMPETENCIES:

Students who successfully complete this course will be able to:

1. Demonstrate basic understanding of life sciences and physical sciences

- Develop an understanding of the structure of the earth system (geology).
- Develop an understanding of Earth in the solar system (astronomy).
- Develop an understanding of the earth's atmosphere and weather patterns (meteorology).
- Develop an understanding of the way the oceans work (oceanography).
- Review the different steps of a science lab or experiment.
- Understand the difference between variables in an experiment.
- Understand the difference between qualitative and quantitative data.

- Develop an understanding of structure and function in living systems.
- Develop an understanding of regulation and behavior.
- Develop an understanding of the evolution of the earth system.
- Learn about the diversity and adaptation of organisms.
- Develop an understanding of structure and function in living systems.
- Explore the main organ systems in humans.

2. Demonstrate basic understanding of math concepts

- Review terms using in collecting data.
- Review the concepts of quartiles, interquartile range, and outliers.
- Review various methods of displaying and interpreting data.
- Recognize and extend various patterns.
- Use a function table to find values and determine a rule.
- Translate a verbal sentence or question into an equation.
- Solve simple algebraic equations with like terms.
- Review the method for graphing coordinate pairs
- Graph a simple linear equation.
- Review the basic concepts of ratios and proportions.
- Review basic components of measuring and classifying angles.
- Review basic classification of triangles.
- Review the Pythagorean theorem.
- Identify basic components of triangles.
- Review the formula for computing area of triangles.
- Identify basic components of circles.
- Review the formula for computing the circumference and area of a circle.
- Identify translations, reflections and rotations.
- Review basic terminology in probability.
- Review basic concepts in probability.
- Determine probability of simple and compound events.

3. Support students with speech or language disabilities in the general curriculum

- Define the types of speech or language disabilities that may affect a student's success.
- Learn strategies for working with students with specific speech or language impairments.