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.

COURSE NUMBER: PARA 126
COURSE TITLE: PARAEDUCATOR VII
SEMESTER CREDIT HOURS: 1
DEPARTMENT: Paraprofessional and Developmental Disabilities
DIVISION: Workforce Education/Community Service
PREREQUISITES: 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.