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: DNAS 105
COURSE TITLE: ANATOMY FOR DENTAL ASSISTANTS
SEMESTER CREDIT HOURS: 1
DEPARTMENT: Dental Assistant
DIVISION: Health Science
PREREQUISITES: Successful completion of DNAS 101, DNAS 110, DNAS 111, DNAS 114, DNAS 118, and DNAS 119
REVISION DATE: February 2016

COURSE DESCRIPTION:
This course will cover body systems and the physiology and anatomy of those systems. Students will learn the relationship and interaction of those systems in relationship with dental treatment.

COURSE OUTCOMES AND COMPETENCIES:
Students who successfully complete this course will be able to:

1. Discuss the basic structure and anatomy of the human body.
   - Explain the difference between anatomy and physiology.
   - Identify the planes and associated body directions used to divide the body into sections.
   - List the four levels of organization in the human body.
   - Identify and describe the four types of tissue in the human body.
   - Name and locate the two major body cavities and their components.
   - Name and locate the two reference regions of the body.

2. Describe the interaction among the ten body systems.
   - Name and locate each of the 10 body systems.
   - Explain the purpose of each body system.
   - Describe major components of each body system.
• Explain how each body system functions.
• Describe the signs and symptoms of common disorders related to each body system.
• Give examples of conditions that require interaction among body systems.

3. Identify and describe the skin and body membranes.
• Identify each epithelial cell.
• Describe the basic functions and structure of the skin.
• Identify the appendages of the skin.

4. Discuss, describe, and identify the skeletal system.
• Discuss the functions of the bones.
• Describe the axial skeleton.
• Identify the appendicular skeleton.
• Differentiate between the fibrous, cartilaginous, and synovial joints.

5. Discuss the purpose of the muscular system.
• Discuss the different types of muscles.
• Discuss the functions of muscles.
• Discuss contraction of a skeletal muscle.
• Discuss muscle movements, types and names.
• Discuss the head, trunk, and neck muscles.
• Discuss upper and lower limb muscles.

6. Discuss, identify, and differentiate the nervous system.
• Describe the organizational structure of the nervous system.
• Identify the central nervous system.
• Identify the peripheral nervous system.
• Differentiate between the cranial and spinal nerves.

7. Discuss and identify the special senses.
• Discuss the anatomy of the eye.
• Discuss the anatomy of the ear.
• Identify chemical senses.

8. Discuss, identify and describe the endocrine system.
• Describe the functions of the endocrine system.
• Identify the major organs of the endocrine system.
• Discuss hormone producing tissues and organs.

9. Discuss and identify the composition and functions of the blood.
• Identify the components of blood.
• Discuss blood groups and typing.
10. Discuss, identify and describe the cardiovascular system.
- Identify the anatomy of the heart.
- Describe the circulation of the blood vessels.

11. Discuss and describe the lymphatic systems and body defenses.
- Discuss the lymph nodes.
- Discuss the body defenses.

12. Discuss, identify and describe the respiratory system.
- Identify the functional anatomy of the respiratory system.
- Discuss the physiology of the respiratory system.

13. Discuss, identify and describe the digestive system and body metabolism.
- Identify the anatomy of the digestive system.
- Describe the functions of the digestive system.
- Discuss nutrition and metabolism.

14. Identify, describe and discuss the urinary system.
- Identify the locations and structure of the kidneys.
- Describe the functions of the ureters, urinary bladder, and urethra.

15. Discuss and identify the reproduction system.
- Describe the male reproduction system.
- Describe the female reproduction system.
- Discuss pregnancy and embryonic development.