**EHS 1102 INTRODUCTION TO HUMAN BIOLOGY (3 CU)**

**Course description:** Course aims at giving students basic knowledge on and terms used in human Anatomy and Physiology, structures and functions of different body systems and an outline of common pathological conditions of the human body systems.

**Course Objectives**

By the end of this course, the student should be able to:

1. Define terms commonly used in Anatomy and Physiology.
2. Describe the structure and function of the different body parts and their relationship to each other.
3. Outline common pathological conditions of the human body systems.
4. Describe the development of the different structures of the human body as well as their histological appearance.
5. Describe habits which promote good functioning of the body systems.

**Detailed Course Outline**

* Introduction to Anatomy, anatomical nomenclature, definition of key terminologies in Anatomy
* Regional anatomy of head, Central Nervous System, Cardiovascular system, Genital Urinary tract, trunk, limbs,
* Embryology of the human body and cell structure, cell division, replication
* Introduction to physiology and definition of key terminologies in Physiology
* Physiology of the Gastro Intestinal Tract, Cardiovascular system, Genital Urinary tract, blood and body fluids,
* Cell metabolism
* Laboratory techniques e.g. Respiratory system, kidney and liver function tests

# Mode of delivery:

* Lectures, tutorials/seminars and laboratory work/practical.

**Mode of Assessment**

- Continuous assessment **40%**.

- End of semester exam: MCQ’s, short answer and long assay questions **60 %**.

**Suggested Reading List**

1. Lecture handouts and additional materials in the Sir Albert Cook Medical Library.

2. Van De Graaff, Kent M. Human Anatomy. 5th ed. Boston, Mass.: WCB/McGraw-Hill, 1998.

3. Clayman, Charles B., ed. The Human Body: An Illustrated Guide to Its Structure, Function, and Disorders. London: Dorling Kindersley, 1995

4. Seeley, Rod R., Trent D. Stephens, and Philip Tate. Anatomy & physiology. 4th ed. Boston, 1998.

**Course Facilitators**

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