

MORPHOPHYSIOLOGY II **(Human Anatomy & Physiology II)**

Course Number: ENF303
Credits: 5 Quarter; 4Semester
In-class Hours: 64
Level: 3

OVERVIEW

Morphophysiology II introduces students to the study of anatomy and physiology of the human body. Interaction between anatomy and function focuses on the Cardiovascular, Respiratory, Digestive, Endocrine and Nervous Systems. The course also considers ethics and values in the study of the human body.

CONTENT

| UNIT | LEARNING UNITS | LEARNING CYCLES |
|------|----------------------|--|
| 1 | CIRCULATORY SYSTEM | -Definition -Composition of blood-Heart-Blood Vessels: Morphology- Circulation Major and Minor -Cardiovascular System: Physiology -Transportation of oxygen, blood pressure and pulse |
| 2 | RESPIRATORY SYSTEM | -Morphology and division of the respiratory system -Physiology of the respiratory system -Mechanical and chemical phenomena of breathing. -Respiratory Physiological -Gas exchange |
| 3 | DIGESTIVE SYSTEM | -Definition -Organs of the digestive system -Peritoneum -General principles related to gland and bowel-secretory functions of the digestive system, gastrointestinal Hygiene -Nutrition and Metabolism |
| 4 | GENITOURINARY SYSTEM | -Study morphological functions of the genitourinary system. -Organs: kidneys and urinary tract. -Male and female genital, urine formation |
| 5 | ENDOCRINE SYSTEM | -Gland: concept and classification -Endocrine-hormone system -Physiology |
| 6 | NERVOUS SYSTEM | -Neuron-nervous tissue -Neuroglia -Synapse -Central nervous system and self |

EVALUATION

Final grade is based on...

1. Assignments & Quizzes 30%

2. Exams 40%
3. Laboratory/Clinical 30%

BIBLIOGRAPHY

- Internet resources.
- Principles of Anatomy and Physiology. Tortora - Ananostacos Seventh Edition
- Editorial Panamericana 2008
- Vidal anatomy
- Lippincott Williams and anatomy