

# COURSE OBJECTIVES

## UNIT 1 (CHAPTERS 17 AND 18)

### CHAPTER 17:

#### THE STUDENT SHOULD BE ABLE TO:

1. Name and describe the location of the organs of the digestive system and their major parts.
2. Describe the general functions of each digestive organ and of the liver, pancreas, gall bladder and salivary glands.
3. Describe the structure of the wall of the alimentary canal.
4. Explain how the contents of the alimentary canal are mixed and moved.
5. List the enzymes secreted by the various digestive organs and describe the function of each.
6. Describe how digestive reflexes function to control the movement of material through the alimentary canal.
7. List the hormones secreted by the various digestive organs and describe the function of each.
8. Describe the mechanisms of swallowing, vomiting, and defecating.
9. Explain how the products of digestion are absorbed.

### CHAPTER 18:

#### THE STUDENT SHOULD BE ABLE TO:

1. Define NUTRITION, NUTRIENTS, and ESSENTIAL NUTRIENTS.
2. Review how carbohydrates are utilized by cells.
3. Review how lipids are utilized by cells.
4. Review how amino acids are utilized by cells.
5. Define nitrogen balance.
6. Define energy balance.
7. List the fat-soluble and water-soluble vitamins.
8. Distinguish between a vitamin and a mineral.
9. Describe an adequate diet.
10. Define malnutrition.