**Recommendations on 70% CCMAS From Department of Biochemistry**

The Departmental Program Working Group (PWG) observed that the course **ANA 203: General and Systemic Embryology (2 Units C: LH 30; PH -)** is not relevant to B Sc. Nutrition and Dietetics. It is suggested that this course be replace by the course "**BUK-ANA 203: Anatomy of the Gastrointestinal Tract**".

**Course Title:** Anatomy of the Gastrointestinal Tract

**Course Overview:** This course is designed to provide students with a comprehensive understanding of the structure of the gastrointestinal tract.

The course will cover the anatomy of the gastrointestinal tract from the mouth to the anus, including the stomach, small intestine, large intestine, and associated organs such as the liver, pancreas, and gallbladder.

**Learning Objectives:** By the end of this course, students should be able to:

1. evaluate the structure of the gastrointestinal tract;
2. describe the structure of associated organs of the git;
3. analyze the impact of nutrition and dietary choices on gastrointestinal anatomy;
4. discuss the role of gut microbiota in the maintaining the integrity of the GIT; and
5. apply knowledge of gastrointestinal anatomy to evaluate and design appropriate dietary plans.

**Learning Outcomes:** Upon successful completion of this course, students will be able to:

1. describe the structure of the gastrointestinal tract;
2. describe the structures of the associated organs in (1) above;
3. evaluate the impact of nutrition and dietary choices on gastrointestinal structure;
4. evaluate the role of gut microbiota in the maintaining the integrity of the GIT; and
5. apply knowledge of gastrointestinal anatomy to evaluate and design appropriate dietary plans.

**Course Contents:**

Introduction to Gastrointestinal Anatomy; Overview of the digestive system; Gastrointestinal anatomy: Mouth and salivary glands, Stomach, Small intestine, Large intestine; Associated Organs: Liver, gallbladder and Pancreas; Nutrition and Gastrointestinal Anatomy: Impact of nutrition on gastrointestinal anatomy; Dietary interventions for gastrointestinal disorders and prebiotics, probiotics, and gut microbiota.