**FOM 1211 DIGESTION, NUTRITION AND METABOLISM 5 weeks**

Objectives:

1. To describe the anatomy and function of the GIT

2. To describe the metabolism of biomolecules in the cell

3. To explain the importance of Nutrition

4. To describe the role of the relevant laboratory investigations

5. To state the major sources of nutrients, their requirements and roles for optimal maintenance.

Content outline:

1. Anatomy

• Embryology, histology and gross Anatomy of the GIT

2. Functional Anatomy of associated organs

3. Nutrition

• Macronutrients

• Micronutrients

• Energy and Nitrogen balance

• Dietary standards, food and food consumption

• Techniques for assessing human nutritional status

4. Physiology

• Control of food ingestion

• Movements of the alimentary canal

• Gases of GIT

• Digestive secretions

• Digestion and Absorption

• Functions of the liver

5. Biochemistry

• Carbohydrates metabolism

• Lipid metabolism

• Protein metabolism

• Metabolism of purines, pyrimidines and porphyrins

• Thermodynamics - energy conservation and transformation.

Requirements:

5 weeks, 75 CH