Anatomy of digestive system, Coordination and regulation of digestive process; Metabolism of macronutrients and regulatory nutrients: Digestion, absorption, transport, distribution, integrated metabolism and regulation – Simple and complex carbohydrates, lipids, proteins, water-soluble and fat-soluble vitamins, major minerals, water and electrolyte, trace and ultra-trace minerals; Fibers – solubility, viscosity, gel formation, fermentability, health benefits; Sources, metabolism, functions, mechanisms of action, turnover, interaction with other nutrients, excretion, deficiency, and toxicity of nutrients

TEXT BOOKS/ REFERENCES: