

GAUTAM BUDDHA UNIVERSITY, GREATER NOIDA

SYLLABUS FOR M.Sc. Food Science : GBU-ET

- Food Chemistry: Water, Carbohydrates, Lipids, Proteins, Vitamins, Minerals, Enzymes
- Food Nutrition: Human Nutrition and Health, Recommended Dietary Allowance, Common nutrition deficiency such as protein deficiency malnutrition (PEM), vitamin deficiency, iodine deficiency, calcium deficiency.
- Food Microbiology: Classification, morphology, physiology, growth, nutrition and reproduction of microorganism, pure culture techniques and maintenance of cultures, control of microorganisms. Sources of contamination. Microbiological standards of foods. Food poisoning and food borne infections
- Food Technology: Juices, pulp, Puree, Paste, Ketchup, Sauce, soup, concentrates and powders, Squashes and cordials. Food Processing and Preservation methods
- Beverage & Milk: Carbonated and Non-carbonated. James, Jellies and Marmalades. Physico-chemical properties, Production and collection, cooling and transportation of milk. Clarification and filtration of milk, pasteurized and homogenized, whole milk, Standardized milk, Toned, Double toned, skim and special milks