

FNE 514 DIET AND DISEASE

39 hrs (13 x 3 units)

Course outcome:

At the end of this course students will acquire knowledge about-

- CO 1. Basic concepts and dietary approaches in obesity.
- CO 2. Dietary management in diabetes and hypertension.
- CO 3. Identifying the risk complications in gastro intestinal health
- CO 4. Etiology and pathophysiology of kidney and liver diseases
- CO 5. The main causes of cancer and its dietary management

Unit I: Obesity- classification, causative factors (behavioral risk factors), overview of approaches to treatments and interventions. Diabetes- Etiology, symptoms, classification, early diagnosis, Short term and long term complications and management. Cardiovascular disease - etiology, incidence, symptoms, risk factors, congestive heart failure and Dietary management. Hypertension- types, symptoms and role of minerals in the diet

Unit II: Gastrointestinal diseases/disorders – Gastritis, Peptic ulcer and duodenal ulcers. Diagnostic, diarrhoea, constipation, diverticular disease and Irritable Bowel Disorder. Diseases of Liver, Gall bladder & Pancreas - Hepatitis, (A, B, and C), Cirrhosis, effect of alcohol on liver, Gall stones, pancreatitis-Causes, symptoms and dietary management.

Unit III: Renal disease - Nephrotic syndrome, Acute and Chronic renal failure principles of dietary management. Dialysis- types. Cancer – Types and dietary management

REFERENCES

- Rolfes and Whitney. 2009. Understanding normal and clinical nutrition
- Katz, David L., Friedman, Rachel S.C., 2014. Nutrition in clinical practice: A comprehensive, evidence-based manual for the practitioner, 2nd Edition.
- Width M, Reinhard T, 2008. Clinical Dietitian's Essential Pocket Guide, The Essential Pocket Guide, 1st Edition
- Robinson and Lawler, 1990. Normal and therapeutic nutrition, Pearson
- Srilakshmi, B. 2003. Dietetics. New Age International Publisher