


MANGALORE UNIVERSITY
Department of Bioscience
MSc Food Science and Nutrition

FNE 513 NUTRITION FOR HEALTH

39 Hr (13× 3 units)

Course outcome:

- Describe the importance of macro and micro nutrients its importance in human body
- Write down the nutritional requirement and challenges of differ age groups through life cycle.
- Write down the role nutrition played during pregnancy and lactation.
- Describe the physiological changes which take place through life cycle

Unit I: Functions, requirements, sources and deficiency of macro- and micro-nutrients

Unit II: Nutrition during early years: Physical growth and maturation. Monitoring of growth chart. Pediatric formula preparation. Nutrition and dietary guidelines during Infancy, Pre- school and School-going children. Childhood Obesity and eating disorders.

Unit III: Dietary guidelines and nutrition in adolescence. Women and nutrition: nutrition during pregnancy and lactation. Nutritional needs of the elderly. Nutrition for athletes.

REFERENCES

- Ashworth Ann, et.al. 2008. Growth monitoring and promotion: review of impact. Maternal and child nutrition 4, pp. 86-117
- World Health Organization Growth Standards: British Columbia Training Manual: June 2011
- Growth monitoring and promotion: intervention or platform for action: UNICEF: 35th SCN Session WG Breastfeeding and Complementary Feeding: <http://www.unsystem.org/SCN/Publications/AnnualMeeting/SCN/35/wgbfcf/Nun e%20M ANGASARYAN.pdf>
- Brown Judith E. Nutrition through the Lifecycle.
- Rolfes Sharon D., Linda K. Debruyne and EN Whitney Life Span Nutrition:

- Rolfes S.R. et.al., Understanding Normal and Clinical Nutrition, ThomsonWadsworth
- Mahan L. Kathleen & Slyvia Escott-Stump, Krause's Food & Nutrition Therapy
- Wardlaw Gordon M. Perspectives in Nutrition

