

Template for Course Plan (Medical specialties)

III. Intended learning outcomes (ILOs) of the course					
Brief summary of the knowledge or skill the course is intended to develop:					
1. Analyze the relationship between nutrition & Health. 2. Describe the classification, functions, sources and recommended daily allowances of carbohydrates, fat, protein, vitamins, minerals and water& electrolytes. 3. Describe the daily calorie requirement for different categories of people. 4. Describe the role of nursing in assessment of nutritional status and nutrition education. 5. Define terms in the study of nutrition and identify basic concepts of adequate nutrition and the function of food & nutrients. 6. Describe various methods of delivering nutritional support through artificial feeding 7. Explains nutritional assessment and clinical signs of nutritional status. 8. Assess process of digestion of macronutrients, macronutrients and metabolism of macronutrients. 9. Recognize nutritional needs for patients with specific conditions e.g. renal failure, heart failure, diabetes mellitus, during pregnancy & lactation and gastrointestinal alterations.					

IV. Course Content:					
A – Theoretical Aspect:					
Order	Units/Topics List	Sub Topics List	Number of Weeks	Contact hours	Learning Outcomes
1	1. Internal Medicine (Internist)	▪ Focus: Diagnosis and treatment of adult diseases. ▪ Subspecialties: Cardiology, endocrinology, gastroenterology, nephrology, rheumatology, infectious diseases, and more.	2	4	a1, a2, b1, b2
2	2. Family Medicine Focus:	▪ Comprehensive health care for individuals and families across all	1	2	a2,

	3. Pediatrics Focus: 4. Surgery Focus:	ages, sexes, and parts of the body. ▪ Scope: Includes internal medicine, pediatrics, obstetrics and gynecology, and geriatrics. ▪ 3. Pediatrics ▪ Focus: Medical care for infants, children, and adolescents. ▪ Subspecialties: Pediatric cardiology, pediatric oncology, neonatology, pediatric neurology, and pediatric endocrinology. ▪ 4. Surgery ▪ Focus: Treatment of diseases and conditions through operative procedures. ▪ Subspecialties: General surgery, neurosurgery, orthopedic surgery, cardiovascular surgery, plastic surgery, and pediatric surgery. ▪			a2, b2
3	5. Obstetrics and Gynecology (OB/GYN)	▪ 5. Obstetrics and Gynecology (OB/GYN) ▪ Focus: Women's reproductive health, pregnancy, and childbirth.	1	2	a1, a2,
4			2	4	a2, a1, b1
5	Subspecialties	: Maternal-fetal medicine, gynecologic oncology, reproductive endocrinology, and urogynecology.	1	2	a1, a2, b2,

6	Midterm exam	Midterm exam	1	2	a1, a2, d2
7	6. Psychiatry Focus. 7. Neurology Focus	6. Psychiatry - Focus: Diagnosis, prevention, and treatment of mental health disorders. - Subspecialties: Child and adolescent psychiatry, geriatric psychiatry, addiction psychiatry, and forensic psychiatry. 7. Neurology - Focus: Disorders of the nervous system, including the brain, spinal cord, and nerves. - Subspecialties: Neuromuscular medicine, neurocritical care, neuro-oncology, and pediatric neurology.	2	4	a1, b2
8	8. Anesthesiology Focus: 9. Dermatology Focus: 10.	8. Anesthesiology - Focus: Pain relief and patient care before, during, and after surgery. - Subspecialties: Pain management, pediatric anesthesiology, and critical care medicine. 9. Dermatology - Focus: Diseases of the skin, hair, and nails. - Subspecialties: Dermatopathology, pediatric dermatology, and cosmetic dermatology. 10. Emergency Medicine	1	2	a2, a1, b1

	Emergency Medicine Focus	▪ Focus: Immediate care for acute illnesses and injuries in emergency settings. ▪ Subspecialties: Pediatric emergency medicine, toxicology, and disaster medicine. ▪			
9	▪ 11. Radiology Focus ▪ 12. Pathology Focus: ▪ 13. Orthopedics Focus: ▪ 14. Cardiology Focus ▪ 15. Ophthalmology Focus ▪ 16. Otolaryngology (ENT)	▪ 11. Radiology ▪ Focus: Diagnosis and treatment through medical imaging (X-rays, CT scans, MRIs, ultrasounds). ▪ Subspecialties: Diagnostic radiology, interventional radiology, and nuclear medicine. ▪ 12. Pathology ▪ Focus: Study of disease through examination of tissues, organs, and bodily fluids. ▪ Subspecialties: Anatomic pathology, clinical pathology, forensic pathology, and hematopathology. ▪ 13. Orthopedics ▪ Focus: Conditions of the musculoskeletal system, including bones, joints, ligaments, tendons, and muscles. ▪ Subspecialties: Sports medicine, pediatric orthopedics, and spine surgery. ▪ 14. Cardiology ▪ Focus: Disorders of the heart and	3	6	b2. a2., a1, b1

	Focus ▪ 17. Urology Focus: ▪ 18. Oncology Focus: ▪ 19. Geriatrics Focus: ▪ 20. Allergy and Immunology Focus: ▪ 21. Endocrinology Focus ▪ 22. Pulmonology Focus: ▪ 23. Rheumatology Focus: ▪ 24. Nephrology Focus:	blood vessels. ▪ Subspecialties: Interventional cardiology, electrophysiology, and heart failure. ▪ 15. Ophthalmology ▪ Focus: Medical and surgical care of the eyes. ▪ Subspecialties: Retina, glaucoma, cornea, pediatric ophthalmology, and oculoplastics. ▪ 16. Otolaryngology (ENT) ▪ Focus: Conditions of the ear, nose, and throat. ▪ Subspecialties: Head and neck surgery, otology/neurotology, and pediatric otolaryngology. ▪ 17. Urology ▪ Focus: Conditions of the urinary tract and male reproductive system. ▪ Subspecialties: Pediatric urology, urologic oncology, and male infertility. ▪ 18. Oncology ▪ Focus: Diagnosis and treatment of cancer. ▪ Subspecialties: Medical oncology, surgical oncology, radiation oncology, and pediatric oncology. ▪ 19. Geriatrics ▪ Focus: Health care for elderly patients, addressing the complex			
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	25. Hematology - Focus:	needs associated with aging. 20. Allergy and Immunology - Focus: Diagnosis and treatment of allergic conditions and immune system disorders. - Conditions: Asthma, eczema, autoimmune diseases, and immunodeficiency. 21. Endocrinology - Focus: Disorders of the endocrine system, including hormones and glands. - Conditions: Diabetes, thyroid disorders, and adrenal disorders. 22. Pulmonology - Focus: Diseases of the lungs and respiratory system. - Conditions: Asthma, chronic obstructive pulmonary disease (COPD), and pulmonary hypertension. 23. Rheumatology - Focus: Autoimmune and inflammatory diseases affecting joints, muscles, and bones. - Conditions: Arthritis, lupus, and scleroderma. 24. Nephrology - Focus: Diseases of the kidneys. - Conditions: Chronic kidney disease, dialysis, and hypertension.			
10			1	2	a2., a1, b1

		25. Hematology - Focus: Blood disorders. - Conditions: Anemia, clotting disorders, and leukemia.			
11		Final exam	1	2	a1, a2, b1,
	Number of Weeks /and Units Per Semester		16	32	