



# SILVER OAK UNIVERSITY

## Silver Oak College of Nursing

### Bachelor of Science (Nursing)

Course Name: Adult Health Nursing I with Integrated

Pathophysiology including BCLS module

Course Code: 1060323203

Semester: 3<sup>rd</sup>

#### Prerequisite:

A strong foundation in basic sciences such as biology, chemistry, and anatomy. Understanding concepts related to human physiology, pharmacology, and pathophysiology is also important. Additionally, having a good grasp of medical terminology, communication skills, and critical thinking abilities are essential for success in adult health nursing. It's also beneficial to have a passion for caring for others and a desire to learn about evidence-based practice in nursing.

#### Course Objective:

1. To equip the students to apply their knowledge in caring for adult patients with Medical/Surgical disorders using nursing process approach and critical thinking.
2. It also intends to develop competencies required for assessment, diagnosis, treatment, nursing management, and supportive/palliative care to patients with various Medical Surgical disorders.
3. To able to communicate effectively with adult patients and their families to ensure they are informed and involved in their care.
4. To allow the students to evaluate the effectiveness of nursing interventions and make appropriate adjustments to the care plan as needed.

#### Teaching Scheme:

Teaching Scheme				
L	T	P	Contact Hours	Credit
7	2	24	33	14

#### Content:

Unit No.	Contents	Teaching Hours	Weightage %
1	<b>Introduction</b> Evolution and trends of medical and surgical nursing International classification of diseases Roles and responsibility of a nurse in medical and surgical settings Outpatient department In-patient unit Intensive care unit Introduction to medical and surgical asepsis Inflammation, infection Wound healing – stages, influencing factors	6	4

	<p>Wound care and dressing technique</p> <p>Care of surgical patient</p> <p>pre-operative</p> <p>post-operative</p> <p>Alternative therapies used in caring for patients with Medical Surgical Disorders</p>		
2	<p><b>Intraoperative Care</b></p> <p>Organization and physical set up of the operation theatre</p> <p>Classification</p> <p>O.T Design</p> <p>Staffing</p> <p>Members of the OT team</p> <p>Duties and responsibilities of the nurse in OT</p> <p>Position and draping for common surgical procedures</p> <p>Instruments, sutures and suture materials, equipment for common surgical procedures</p> <p>Disinfection and sterilization of equipment</p> <p>Preparation of sets for common surgical procedures.</p> <p>Scrubbing procedures – Gowning, masking and gloving</p> <p>Monitoring the patient during the procedures</p> <p>Maintenance of the therapeutic environment in OT</p> <p>Assisting in major and minor operation, handling specimen</p> <p>Prevention of accidents and hazards in OT</p> <p>Anaesthesia- types, methods of administration, effects and stages, equipment &amp; drugs</p> <p>Legal aspects</p>	15	11
3	<p><b>Nursing care of patients with common signs and symptoms and management</b></p> <p>Fluid and electrolyte imbalance</p> <p>Shock</p> <p>Pain</p>	6	4
4	<p><b>Nursing Management of patients with respiratory problems</b></p> <p>Review of anatomy and physiology of respiratory system</p> <p>Nursing Assessment – history taking, physical assessment and diagnostic tests</p> <p>Common respiratory problems:</p> <p>Upper respiratory tract infections</p> <p>Chronic obstructive pulmonary diseases</p> <p>Pleural effusion, Empyema</p> <p>Bronchiectasis</p> <p>Pneumonia</p> <p>Lung abscess</p> <p>Cyst and tumors</p> <p>Chest Injuries</p> <p>Acute respiratory distress syndrome</p> <p>Pulmonary embolism</p> <p>Health behaviours to prevent respiratory illness</p>	18	13

5	<p><b>Nursing Management of patients with disorders of digestive system</b>  Review of anatomy and physiology of GI system  Nursing assessment –History and physical assessment  GI investigations  Common GI disorders:  Oral cavity-lips, gums and teeth  GI - Bleeding, Infections, Inflammation, tumors, Obstruction, Perforation &amp; Peritonitis  Peptic &amp; duodenal ulcer,  Mal-absorption, Appendicitis, Hernias  Hemorrhoids, fissures, Fistulas  Pancreas- inflammation, cysts, and tumors  Liver-inflammation, cysts, abscess, cirrhosis, portal hypertension, hepatic failure, tumors  Gall bladder- inflammation, Cholelithiasis, tumors  Gastric decompression, gavage and stoma care, different feeding techniques  Alternative therapies, drugs used in treatment of disorders of digestive system</p>	16	11
6	<p><b>Nursing Management of patients with cardiovascular problems</b>  Review of anatomy and physiology of cardiovascular system  Nursing Assessment-History and Physical assessment  Invasive and noninvasive cardiac procedures  Disorders of vascular system-Hypertension, arteriosclerosis, Raynaud’s disease, aneurysm and peripheral vascular disorders  Coronary artery diseases-- coronary atherosclerosis  Angina pectoris, myocardial infarction  Valvular disorders - congenital and acquired  Rheumatic heart disease - pericarditis, myocarditis, endocarditis, cardiomyopathies  Cardiac dysrhythmias, heart block  Congestive heart failure, cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade  Cardiopulmonary arrest</p>	20	14
7	<p><b>Nursing Management of patients with disorders of blood</b>  Review of Anatomy and Physiology of blood, nursing assessment- history, physical assessment &amp; Diagnostic tests  Anemia, Polycythemia  Bleeding Disorders – clotting factor defects and platelets defects, thalassemia, leukemias, leukopenias, agranulocytosis  Lymphomas, myelomas</p>	7	5
8	<p><b>Nursing management of patients with disorders of endocrine system</b>  Review of anatomy and physiology of endocrine system  Nursing Assessment –History and Physical assessment  Disorders of thyroid and Parathyroid, Adrenal and Pituitary</p>	8	6

	(Hyper, Hypo, tumors) Diabetes mellitus		
9	<b>Nursing management of patients with disorders of Integumentary system</b> Review of anatomy and physiology of skin Nursing Assessment –History and Physical assessment Infection and infestations; Dermatitis Dermatoses; infectious and Non infectious Acne, Allergies, Eczema & Pemphigus Psoriasis, Malignant melanoma, Alopecia Special therapies, alternative therapies Drugs used in treatment of disorders of integumentary system	8	6
10	<b>Nursing management of patients with musculoskeletal problems</b> Review of Anatomy and physiology of the musculoskeletal system Nursing Assessment- History and physical assessment, diagnostic tests Musculoskeletal trauma: Dislocation, fracture, sprain, strain, contusion, amputation Musculoskeletal infections and tumors: Osteomyelitis, benign and malignant tumour Orthopedic modalities: Cast, splint, traction, crutch walking Musculoskeletal inflammation: Bursitis, synovitis, arthritis Special therapies, alternative therapies Metabolic bone disorder: Osteoporosis, Osteomalacia and Paget's disease Spinal column defects and deformities – tumor, prolapsed intervertebral disc, Pott's spine Rehabilitation, prosthesis Replacement surgeries	16	11
11	<b>Nursing management of patients with Communicable diseases</b> Overview of infectious diseases, the infectious process Nursing Assessment –History and Physical assessment, Diagnostic tests Tuberculosis Diarrheal diseases, hepatitis A-E, Typhoid Herpes, Chickenpox, Smallpox, Measles, Mumps, Influenza Meningitis Gas gangrene Leprosy Dengue, Plague, Malaria, Chikungunya, swine flu, Filariasis Diphtheria, Pertussis, Tetanus, Poliomyelitis, Covid-19 Special infection control measures: Notification, Isolation, Quarantine, Immunization	20	15

**Course Outcome:**

Sr. No.	CO statement	Unit No
CO-1	Apply nursing process in caring for patients with medical surgical problems in health care setting	1
CO-2	Explain organizational set up of the operating theatre and nurse's role in Intraoperative care	2
CO-3	Explain the etiology, pathophysiology, manifestation, diagnostic studies, treatment , nursing care plan and complication of Fluid and electrolyte imbalance, Respiratory, Digestive, Cardiovascular including BLS/BCLS module	3,4,5,6
CO-4	Explain the etiology, pathophysiology, manifestation, diagnostic studies, treatment, nursing care plan and complication of Blood, Endocrine, Integumentry, Musculoskeletal and Communicable disease	7,8,9,10, 11

### Teaching & Learning Methodology:

1. Lecture cum discussion,
2. Demonstration
3. Practice session
4. Case Discussion
5. Health Education

### List of Experiments:

**Total Hours-480**

Sr.No.	Practical Name
1.	Utilize the nursing process in providing care to the sick adults in the hospital: a. Perform complete health assessment to establish a data base for providing quality patient care. b. Integrate the knowledge of diagnostic tests in the process of data collection. c. Identify nursing diagnoses and list them according to priority. d. Formulate nursing care plan, using problem solving approach. e. Apply scientific principles while giving nursing care to patients. f. Perform nursing procedures skillfully on patients. g. Establish/develop interpersonal relationship with patients and family members. h. Evaluate the expected outcomes and modify the plan according to the patient needs
2.	Provide comfort and safety to adult patients in the hospital.
3.	Maintain safe environment for patients during hospitalization.
4.	Explain nursing actions appropriately to the patients and family members
5.	Ensure patient safety while providing nursing procedures
6.	Assess the educational needs of the patient and their family related to medical

	and surgical disorders and provide appropriate health education to patients.
7.	Provide pre, intra and post-operative care to patients undergoing surgery.
8.	Integrate knowledge of pathology, nutrition and pharmacology for patients experiencing various medical and surgical disorders.
9.	Integrate evidence-based information while giving nursing care to patients
10	Demonstrate the awareness of legal and ethical issues in nursing practice.

### Books Recommended

1. Jaideep Herbert, Shweta Pattnaik, Anil Sharma, "Textbook of Adult Health Nursing-I"; CBS Publishers
2. M J Kumari; "Adult Health Nursing-I"; Jaypee Publishers
3. Sukhpal Kaur, "Adult Health Nursing-I"; Jaypee Publishers
4. Dr. B. Venkatesan; "Adult Health Nursing – I"; Emmess Publication
5. Dr .I.Clement ; "Adult Health Nursing – I"; Emmess Publication

### List of Open-Source Software/learning website:

1. [https://books.google.com/books/about/Adult\\_Health\\_Nursing\\_I.html?id=5OzEEAAAQBAJ](https://books.google.com/books/about/Adult_Health_Nursing_I.html?id=5OzEEAAAQBAJ)
2. <https://www.cbspd.co.in/textbook-of-adult-health-nursing-vol-i-and-ii>
3. <https://nurseinfo.in/product-category/bsc/>

### CO-PO-PSO Matrix

Co. No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO-1	3	3	3	2	1	2	2	3	3	3	2	3
CO-2	2	2	3	1	1	2	3	3	3	3	2	2
CO-3	3	3	3	1	1	2	2	3	3	3	2	2
CO-4	3	3	3	1	1	2	2	3	3	3	2	2