

Community College of Rhode Island

NURS 1020/ADNU 2040

Course Content

2008-2009

	NURS 1020		ADNU 2040	
SUBJECT	Hours of Lecture	Brunner Reading/Course Content	Hours of Lecture	Brunner Reading/Course Content
Hematology	3	Ch. 33 1035 - 1087, 1090 - 1092, 1104 -1115 Anemias Polycythemia Leukopenia Thrombocytopenia Hemophilia Leukemia Lymphomas Multiple Myeloma Blood Transfusions	0	
Cardiovascular	8	Ch. 26 778 - 816 Cardiac Assessment	9	Ch. 26 778 - 821 Cardiac Assessment (review) Hemodynamic monitoring
		Ch. 27 822 - 833 - Electrocardiogram - Sinus Node Dysrhythmias and ECG appearance - Atrial fibrillation and ECG appearance		Ch. 27 822 - 857 Dysrhythmias and ECG Analysis: -Atrial, Junctional,Ventricular Dysrhythmias Pacemaker Therapy Implantable Cardioverter Defibrillator
		Ch. 28 858 - 887 Coronary Artery Disease - Coronary Atherosclerosis - Angina Pectoris - Myocardial Infarction - Percutaneous Coronary Interventions		Ch. 28 858 - 913 Coronary Artery Disease - Myocardial Infarction (indepth) - Drug Therapy Cardiac Surgery: CABG, Heart Transplants
		Ch. 29 914 - 918, 933 - 941 Valvular Disorders: - Mitral Valve Prolapse, Mitral Regurgitation Infectious Diseases of the Heart: - Endocarditis, Myocarditis, Pericarditis		Ch. 29 914 - 932 Valvular Disorders: - Mitral Stenosis - Aortic Stenosis, Aortic Regurgitation - Valve repair and Replacement Cardiomyopathy
		Ch. 30 944 - 965 Heart Failure - Chronic Heart Failure - Acute Heart Failure (Pulmonary Edema)		Ch. 30 944 - 968 Heart Failure: - Chronic Heart Failure - Acute Heart Failure (Pulmonary Edema) Cardiogenic Shock Pericardial Effusion and Cardiac Tamponade
				Ch. 15 368 -371 Cardiogenic Shock
				Ch. 31 997 -1000 Aneurysm - Thoracic Aortic Aneurysm - Abdominal Aortic Aneurysm

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Peripheral Vascular Disease	3	Ch. 31 974 - 996, 1003 -1016 Anatomy & Physiology of Vascular System Arteriosclerosis & Atherosclerosis Peripheral Arterial Occlusive Disorder Buerger's Disease, Raynaud's Disease Thrombophlebitis Arterial/Venous Leg Ulcers Varicose Veins	0	Ch. 31 997 -1000 (see previous section) Aneurysm - Thoracic Aortic Aneurysm - Abdominal Aortic Aneurysm
		Ch. 32 1020 - 1034 Hypertension		
Nose & Throat	2	Ch. 21 550 - 569 Assessment of Upper Respiratory Structures	0	
		Ch. 22 588 - 621 Ch 25 738 - 741 Upper Airway Infections: - Rhinitis, Sinusitis, Pharyngitis, Tonsillitis - Peritonsillar Abscess, Laryngitis Obstruction and Trauma of the Upper Airway: - Sleep Apnea, Epistaxis, Fracture of the Nose, - Cancer of the Larynx (medical/surgical mgmt) Tracheostomy Care		
Respiratory	8	Ch. 21 550 - 586 Assessment of Respiratory Function	3	Ch. 21 553 -556. 558 -559 Anatomy & Physiology Overview Ventilation/Perfusion Balance and Imbalance
		Ch. 23 624-654, 662-667, 670-674, 678-680 Atelectasis Pneumonia Pulmonary Tuberculosis Pleural Effusion Pulmonary Embolism Lung Cancer (medical and surgical management) Pneumothorax		Ch. 23 655 -659, 681 -683 Acute Respiratory Failure Acute Respiratory Distress Syndrome Aspiration
		Ch. 24 685 - 721 COPD: Chronic Bronchitis, Emphysema Asthma		
		Ch. 25 722 - 735, 758 - 776 Oxygen Therapy Incentive Spirometry , Mini-Nebulizer Therapy Chest Physiotherapy Chest Drainage Systems Thoracic Surgery		Ch. 25 735 -754 Airway Management Mechanical Ventilation Weaning the Patient from Ventilator Prevention of Ventilator Acquired Pneumonia
		Ch. 14 334 -338, 340 Acid Base Disturbances & ABG Analysis		Ch. 14 330 -340 (see Complex Fluid & Elect) Acid-Base Disturbances - Resp Acidosis/Alkalosis

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Diabetes Mellitus	4	Ch. 41 1375 - 1414, 1416 - 1436 Type 1, Type 2 and Gestational Diabetes - pathophysiology, diagnostic tests - nutrition therapy, drug therapy - exercise therapy, weight mgmt, - Acute complication: Hypoglycemia, - Acute complication: DKA (brief overview) - Long Term complications	3	Ch. 41 1375 - 1436 - Diabetic Ketoacidosis - pathophysiology & treatment - Hyperglycemic Hyperosmolar Nonketotic Syndrome
Endocrine	3	Ch. 42 1439 -1444, 1448 -1487 Thyroid Disorders - Hyperthyroidism, Hypothyroidism - Thyroiditis, Cancer of the Thyroid Parathyroid Disorders - Hypo and Hyperparathyroidism Adrenal Disorders - Pheochromocytoma - Adrenocortical Insuffic. (Addison's Disease) - Cushing's Syndrome	3	Ch. 42 1439 - 1487 Pituitary disorders - Diabetes Insipidus - Syndrome of Inapprop ADH secretion Thyroid Disorders - Thyroidectomy - Thyroid Storm - Myxedema Coma Parathyroid Disorders - Parathyroidectomy Adrenal Disorders - Addisonian Crisis - Cushing's Syndrome - Corticosteroid Therapy - Primary Aldosteronism
Neurocognitive	8	Ch. 60 2126 - 2159 Assessment of Neurologic Function	6	Ch. 60 2126 - 2159 Assessment of Neurologic Function
		Ch. 61 2160-2180, 2190-2202 Altered levels of Consciousness Increased Intracranial Pressure Seizure Disorders Headache/ Migraines		Ch. 61 2160 - 2190 Increased Intracranial Pressure (1 ^o lecture) Intracranial Surgery (1 ^o lecture)
		Ch. 63 2232-2250 Head Injury Brain Injury		Ch. 63 2232 - 2267 Traumatic Brain Injury (1 ^o lecture) Spinal Cord Injury (3 ^o lecture)
		Ch. 64 2269 - 2273, 2277 - 2292 Meningitis Multiple Sclerosis Myasthenia Gravis Guillian-Barre Syndrome		Ch. 64 2292 - 2296
		Ch. 12 243-246 Ch. 65 2311-2320, 2322-2323 Parkinson's Disease Alzheimer's Disease Amyotrophic Lateral Sclerosis - brief overview		Ch. 65 2301 - 2311, 2324 - 2330 Brain Tumors Degenerative Disk disease Herniated Disks - medical and surgical mgmt
CVA	2	Ch.62 2205 - 2230 Ischemic Stroke - Transient Ischemic Attack - Carotid Endarterectomy Hemorrhagic Stroke		Ch. 62 2223 -2230 Hemorrhagic Stroke (covered in neurocognitive)

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Musculoskeletal	7	Ch. 54 1906 - 1912, 1914 - 1919 Rheumatoid Arthritis Systemic Lupus Erythematosus Degenerative joint disease (Osteoarthritis) Fibromyalgia, Gout	0	
		Ch. 66 2336 - 2352 Assessment of Musculoskeletal Function		
		Ch. 67 2355 - 2389 Musculoskeletal Care Modalities - casts, splints, braces, external fixator, traction Total Hip Replacement Total Knee Replacement		
		Ch. 68 2391 - 2422 Acute Low back Pain Diseases of the hand and foot: - Carpal Tunnel Syndrome, Ganglion - Dupuytren's Disease, bunion, hammer toe Bone Disorders: - Osteoporosis, Osteomalacia, - Paget's Disease, Osteomyelitis Bone Tumors		
		Ch. 69 2424 - 2470 - Amputations, Fractures - brief overview of the following topics: Strains, Sprains, Rotator Cuff Tear, ACL Tear		
Cancer	6	Ch. 16 380 - 443 Pathophysiology Detection and Prevention of Cancer Management: - surgery, radiation, chemotherapy - immunotherapy, bone marrow transplantation	0	
Renal	5	Ch. 43 1490 - 1513 Assessment of Renal and Urinary Tract Function	3	Ch. 43 1490 - 1505 Assessment of Renal and Urinary Tract Function
		Ch. 44 1514 - 1527 Acute and Chronic Glomerulonephritis Nephrotic Syndrome Acute Renal Failure		Ch. 44 1514 -1566 Chronic Renal Failure (ESRD) Dialysis: hemodialysis, CRRT, peritoneal dialysis Kidney Transplantation
		Ch. 45 1569 - 1595 Infections of the Urinary Tract Incontinence, Retention, Neurogenic Bladder Urolithiasis, Nephrolithiasis		Ch. 45 1595 - 1607 Genitourinary Trauma Cancer of the Bladder Urinary Diversions
		Ch. 49 1751 - 1752 1761 - 1764 Benign Prostatic Hyperplasia		Ch. 49 1752 - 1769 Cancer of the prostate

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Upper GI	4	Ch. 34 1118 - 1139 GI Assessment related to UGI	0	
		Ch. 35 1143 -1144, 1148 - 1152 1162 - 1171 Oral Disorders: - Cancer of the Oral Cavity - Premalignant lesions - Stomatitis Esophageal Disorders: - Achalasia, Stricture, Diverticula - Hiatal Hernia, GERD, Cancer of the Esophagus		
		Ch. 36 1174 -1181 Nasogastric Intubation		
		Ch. 37 1203 - 1226 Gastric and Duodenal Disorders: - Gastritis, Peptic Ulcer Disease, Gastric Cancer Morbid Obesity and Bariatric Surgery		
Lower GI	4	Ch. 34 1118 - 1139 GI Assessment related to LGI	0	
		Ch. 38 1231- 1281 Intestinal and Rectal Disorders - Malabsorption, Appendicitis, Diverticulitis - Peritonitis, Crohn's Disease, Ulcerative Colitis - Gastroenteritis, Intestinal Obstruction, Hernias - Colorectal Cancer - Colostomy, Ileostomy		
Gall Bladder Liver, Pancreas	5	Ch. 39 1282 - 1302, 1304 -1316, 1318 -1333 Cirrhosis & S/Sx of Hepatic Dysfunction: - jaundice, ascites, portal hypertension - esophageal varices - Hepatic encephalopathy and Coma Types of Hepatitis	3	Ch 39 1282 - 1340 Cirrhosis Complications of Portal Hypertension Sengstaken-Blakemore tube/bleeding varices Portal Systemic Venous Shunts Liver Transplantation
		Ch. 40 1344 - 1373 Disorders of the Gall Bladder - cholecystitis, cholelithiasis, cholecystectomy Disorders of the Pancreas: - Acute and Chronic Pancreatitis		
Eye	2	Ch. 58 2040 - 2079, 2083 - 2089 Disorders of the Eye: - Conjunctivitis, Cataracts, Glaucoma Retinal disorders: - Retinal detachment, Macular Degeneration Corneal Disorders Refractory Errors Trauma	0	

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Ear	1	Ch. 59 2092 - 2108, 2112 -2124 External Ear Disorders: - cerumen impaction, foreign bodies - external otitis Middle Ear Disorders: - tympanic membrane perforation - acute/chronic otitis media Internal Ear Disorders - motion sickness, Meniere's disease, Tinnitus Hearing Loss	0	
Complex Fluid & Electrolytes	0		3	Ch 14. 300 - 340 Hypovolemia/Hypervolemia Electrolyte Imbalances Acid-Base Disturbances: - Respiratory Acidosis/Alkalosis - Metabolic Acidosis Alkalosis
Traumatic Injuries	0		3	Ch. 15 355 - 376 Shock and Multisystem Failure - cardiogenic shock, hypovolemic shock - septic shock, neurogenic shock - anaphylactic shock
				Ch. 71 2529 -2533 Trauma: - Intra-abdominal injuries, crush injuries - Fractures
Burn Injuries	0		3	Ch. 57 1994 - 2038 Burn Injuries: Local and Systemic Effects Management of Burn Injury

Medical-Surgical Concepts Introduced in NURS 1010

CONCEPT	Hours of Lecture
Vital Signs	2
Physical Assessment	4
Infection Control	3
Infectious diseases	1
Wound Care	2
Thermoregulation: - (hot/cold applications)	1
Immobility Management	2
Nutrition Support	5
Elimination (bowel/bladder)	3
Fluid & Electrolytes	4
Perioperative Management	5