# Module Title | Topics Covered
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1 Global Perspectives in the Care of Critically Ill Patients: Part 1 | Assignment 1: Professional Nursing Practice  Assignment 2: Frameworks for Practice  Assignment 3: Special Populations
2 Global Perspectives in the Care of Critically Ill Patients: Part 2 | Assignment 1: Pain, Agitation and Delirium  Assignment 2: Preventing Complications of Critical Illness  Assignment 3: Prioritizing and Organizing Care  Assignment 4: Special Situations  Assignment 5: Palliative and End-of-Life Care
3 Caring for Patients With Cardiovascular Disorders: Part 1 | Assignment 1: Assessing the Cardiovascular System  Assignment 2: Diagnosing Acute Coronary Syndrome (ACS)  Assignment 3: Treating Patients with STEMI, Non-STEMI or UA Patients  Assignment 4: Complications  Assignment 5: Cardiac Procedures
4 Caring for Patients With Cardiovascular Disorders: Part 2 | Assignment 1: Cardiovascular Pathologies and Electrophysiology: Cardiovascular Disorders  Assignment 2: Cardiovascular Pathologies and Electrophysiology: Vascular Disorders  Assignment 3: Cardiovascular Pathologies and Electrophysiology: Pacemakers and ICDs  Assignment 4: Cardiovascular Pathologies and Electrophysiology: Electrophysiology
5 Caring for Patients With Cardiovascular Disorders: Part 3 | Assignment 1: Cardiomyopathies  Assignment 2: Heart Failure  Assignment 3: Valvular Heart Disease
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| 6   | Patients with Cardiovascular Disorders: Part 4 | Assignment 1: Preop and Intraop Management (Types and Indications for Cardiac Surgery)  
Assignment 2: Postoperative Management of Cardiac Surgical Patients  
Assignment 3: Transcatheter Aortic Valve Replacement (TAVR) |
| 7   | Patients with Pulmonary Disorders: Part 1 | Assignment 1: Assessment, Diagnostics, and Monitoring  
Assignment 2: Arterial Blood Gas (ABG) Analysis and Managing Oxygenation  
Assignment 3: Pulmonary Disorders  
Assignment 4: Respiratory Failure and Acute Respiratory Distress Syndrome (ARDS)  
Assignment 5: Pleural Space Abnormalities and Therapeutic Interventions  
Assignment 6: Thoracic Surgical Procedures |
| 8   | Patients with Pulmonary Disorders: Part 2 | Assignment 1: Invasive Ventilation  
Assignment 2: Managing the Ventilated Patient |
| 9   | Hemodynamic Monitoring of Critically Ill Patients: Part 1 | Assignment 1: Basics of Hemodynamic Monitoring Systems  
Assignment 2: Arterial Pressure Monitoring  
Assignment 3: Central Venous Catheters |
| 10  | Hemodynamic Monitoring of Critically Ill Patients: Part 2 | Assignment 1: Pulmonary Artery (PA) Catheters (ICU only)  
Assignment 2: Cardiac Output Monitoring  
Assignment 3: Oxygen and Transport  
Assignment 4: Pharmacological Management of Hemodynamics |
| 11  | Patients with Neurologic Disorders: Part 1 | Assignment 1: Special Neurological Assessment Techniques  
Assignment 2: Intracranial Pressure and Brain Herniation  
Assignment 3: Diagnostic Testing  
Assignment 4: Neurologic Monitoring (content both ICU/PCU but PCU not tested) |
## ECCO 3.0 Module Content Overview

| 12 | Caring for Patients With Neurologic Disorders: Part 2 | Assignment 1: Ischemic Stroke  
Assignment 2: Hemorrhagic Stroke  
Assignment 3: Traumatic Brain and Spinal Cord Injuries  
Assignment 4: Other Pathological Conditions |
| 13 | Caring for Patients With Gastrointestinal Disorders | Assignment 1: Diagnostic Testing  
Assignment 2: Acute GI Bleeding  
Assignment 3: Liver Failure  
Assignment 4: Acute Pancreatitis  
Assignment 5: Intra-Abdominal Hypertension (IAH) (ICU only)  
Assignment 6: Other Pathologies  
Assignment 7: Nutritional Support for Critically Ill Patients |
| 14 | Caring for Patients With Renal Disorders: Part 1 | Assignment 1: Assessment  
Assignment 2: Fluid and Electrolyte Disturbances  
Assignment 3: Acute Kidney Injury (AKI)  
Assignment 4: Chronic Kidney Disease |
| 15 | Caring for Patients With Renal Disorders: Part 2 | Assignment 1: Common Considerations in CRRT (ICU only)  
Assignment 2: Types and Complications of CRRT (ICU only) |
| 16 | Caring for Patients With Endocrine Disorders | Assignment 1: Endocrine System Assessment  
Assignment 2: Pathologic Conditions  
Assignment 3: Pituitary Disorders and CSW  
Assignment 4: Thyroid and Parathyroid Disorders  
Assignment 5: Adrenal Disorders  
Assignment 6: Managing Hyperglycemia in Critical Illness |
| 17 | Caring for Patients With Hematologic | Assignment 1: Diagnostic Testing |
## ECCO 3.0 Module Content Overview

| Disorders | Assignment 2: Thrombocytopenias  
| Assignment 3: Pathologic Conditions: Procedures/Treatments  
| Assignment 4: Transfusion and Complications |
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| 18 Caring for Patients With Multisystem Disorders | Assignment 1: Shock  
| Assignment 2: SIRS, Sepsis and MODS Continuum  
| Assignment 3: Behavioral  
| Assignment 4: Necrotizing Fasciitis and Rhabdomyolysis |