Textbook: Porth’s Pathophysiology. Concepts of Altered Health States (9th and 10th ed.). By Grossman & Porth.

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| Week | Topics to Cover | Chapters Reading |
| 1 | Health and Disease. Stress and Adaptation. | 9th Edition. Chapters 1, 910th Edition. Chapters 1, 7 |
| 2 | Cellular Adaptation, Injury, and Death. Neoplasia. | 9th Edition. Chapters 5, 810th Edition. Chapters 3, 6 |
| 3 | Innate and Adaptive Immunity. Mechanisms of Infectious Diseases. Inflammation, Tissue Repair, and Wound Healing.Disorders of the Immune Response. | 9th Edition. Chapters 12, 13, 14, 15, 16 10th Edition. Chapters 9, 10, 11, 12 |
| 4 | Disorders of Motor Function. Disorders of Brain Function. Disorders of memory. | 9th Edition. Chapters 19, 20, 2210th Edition. Chapters 15, 16, 18 |
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| 5 | Disorders of Visual Function. Disorders of hearing and Vestibular Function. | 9th Edition. Chapters 23, 2410th Edition. Chapters 19, 20 |
| 6 | Disorders of the hemostasis. Disorders of Red Blood Cells. Disorders of White Blood Cells and Lymphoid Tissues | 9th Edition. Chapters 26, 27, 2810th Edition. Chapters 22, 23, 24 |
| 7 | Disorders of blood flow in the systemic circulation. Disorders of blood pressure regulation. Disorders of cardiac Function. Disorders of cardiac conduction and rhythm. Heart failure and circulatory shock. | 9th Edition. Chapters 30, 31, 32, 33, 3410th Edition. Chapters 26, 27, 28 |
| 8 | **Midterm Exam** |
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| 9 | Respiratory tract Infections, neoplasms, and childhood disorders. Disorders of ventilation and gas exchange. | 9th Edition. Chapters 36, 3710th Edition. Chapters 30, 31 |
| 10 | Disorders of fluids and electrolyte balance. Disorders of Acid-Base balance. Disorders of renal function. Acute renal injury and chronic kidney disease. Disorders of the bladder and urinary tract. | 9th Edition. Chapters 39, 40, 41, 42, 4310th Edition. Chapters 8, 33, 34, 35 |
| 11 | Disorders of the gastrointestinal function. Disorders of hepatobiliary and exocrine pancreas function. | 9th Edition. Chapters 45, 4610th Edition. Chapters 37, 38 |
| 12 | Disorders of endocrine control of growth and metabolism. Diabetes mellitus and the metabolic syndrome. | 9th Edition. Chapters 49, 5010th Edition. Chapters 40, 41 |
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| 13 | Disorders of the male genitourinary system. Disorders of the female genitourinary system. | 9th Edition. Chapters 52, 5410th Edition. Chapters 43, 45 |
| 14 | Disorders of the musculoskeletal function: Trauma, Infection, Neoplasms, Developmental and metabolic disorders, Rheumatic disorders. | 9th Edition. Chapters 57, 58, 5910th Edition. Chapters 48, 49, 50 |
| 15 | Disorders of skin integrity and function. | 9th Edition. Chapters 6110th Edition. Chapters 52 |
| 16 | **Final Exam** |