NURS 4840L - Complex Care Laboratory

Fall 2026 Syllabus, Section 03, CRN 40713,

Credit hours: 0

Instructor

Maranda Hall

Professional Qualifications:
RN, BSN, CCRN

Clinical Instructor

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Course Description

4840L. Complex Care Laboratory. Complex Care Laboratory. 0 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Engage Adult Medical Surgical RN (modules).	ATI (2023)	
Optional	RN adult medical surgical nursing (ed. 12.0). Review Modules 2023 RN - eBook.	ATI (2023)	
Optional	High-acuity nursing (7th ed.). Pearson	Wagner, K. D., & Hardin-Pierce, M. G.	

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Thu	8/27	ATI RN Adult M/S Nursing eBook: Ch.27: Resp. Failure ATI RN Adult M/S Nursing eBook: Ch.20: Resp. Mgmt. & Mech. Vent. Wagner & Hardin-Pierce text: Ch.1: 1-2, 7 (Intro content) Wagner & Hardin-Pierce text: Ch.2: 20-22, 24-26 Wagner & Hardin-Pierce text: Ch.3: 32-35, 39-41 Wagner & Hardin-Pierce text: Ch.4: 64-69 Wagner & Hardin-Pierce text: Ch.7: 137-168 (Resp/Vents) ATI RN Adult M/S Nursing eBook: Ch.27: Resp. Failure ATI RN Adult M/S Nursing eBook: Ch.20: Resp. Mgmt. & Mech. Vent. Wagner & Hardin-Pierce text: Ch.1: 1-2, 7 (Intro content) Wagner & Hardin-Pierce text: Ch.2: 20-22, 24-26 Wagner & Hardin-Pierce text: Ch.3: 32-35, 39-41 Wagner & Hardin-Pierce text: Ch.4: 64-69 Wagner & Hardin-Pierce text: Ch.7: 137-168 (Resp/Vents) ATI: Ch. 18: Resp. Diagnostic & Therapeutic Procedures ATI: Ch. 46: Acid-Base imbalances Wagner. Ch 7: 137-168 (Resp/Vents) Wagner. Ch. 11: 289-319 (Pulm/ABGs) ATI: Ch. 18: Resp. Diagnostic & Therapeutic Procedures ATI: Ch. 46: Acid-Base imbalances Wagner. Ch 7: 137-168 (Resp/Vents) Wagner. Ch. 11: 289-319 (Pulm/ABGs) No Class	Syllabus Review Critical Care Nursing: Intro to CC & Emergency Nursing Critical Care Nursing: Critical Alterations in Gas Exchange Critical Care Nursing: Intro to CC & Emergency Nursing Critical Care Nursing: Critical Alterations in Gas Exchange Critical Care Nursing: Critical Alterations in Gas Exchange Alterations in Health: Disrupted Homeostasis: Acid-Base imbalance info Alterations in Health: Alt. in Gas Exchange Critical Care Nursing: Critical Alterations in Gas Exchange Alterations in Health: Disrupted Homeostasis: Acid-Base imbalance info Alterations in Health: Alt. in Gas Exchange	Wk 1 Clinical: campus Sim-Lab Watch assigned videos: Intro to ICU Nursing Watch assigned videos: PPT Arterial Lines video Wk 1 Clinical: campus Sim-Lab Watch assigned videos: Intro to ICU Nursing Watch assigned videos: PPT Arterial Lines video Wk 2 Clinical: campus Sim-Lab Wk 2 Clinical: Math Test* Wk 2 Clinical: campus Sim-Lab Wk 2 Clinical: Math Test*
Thu	9/3	ATI: Ch. 25: Pulm Embolism ATI: Ch. 26: Pneumo/Hemothorax ATI: Ch. 19: CT insertion & Monitoring Wagner. Ch. 11: 289-319 (Pulm/ABGs) Wagner. Ch. 12: 321-359 (Pulm Alterations) ATI: Ch. 28: CV Diagnostics/Procedures ATI: Ch. 29: ECG/Dysrhythmias Wagner. Ch. 8: 171-196 (Hemodynamics) Wagner. Ch. 9: 198-251	Critical Care Nursing: Critical Alterations in Gas Exchange Alterations in Health: Disrupted Homeostasis: Acid-Base imbalance info Critical Care Nursing: Critical Alterations in Perfusion Alterations in Health: Alterations in CV Function and Perfusion	Hospital Clinicals Begin *Quiz 1 - covers content through 9/9 Virtual Application-Critical Alterations in Gas Exchange: due this Friday 9/18/26 by 11:59pm
Thu	9/10	ATI: Ch. 28: CV Diagnostics/Procedures ATI: Ch. 29: ECG/Dysrhythmias Wagner. Ch. 8: 171-196 (Hemodynamics) Wagner. Ch. 9: 198-251 (ECG) ATI: Ch. 29: ECG/Dysrhythmias ATI: Ch. 30: Pacemakers/ICDs Wagner. Ch. 9: 198-251 (ECG)	Critical Care Nursing: Critical Alterations in Perfusion Alterations in Health: Alterations in CV Function and Perfusion Critical Care Nursing: Critical Alterations in Perfusion Alterations in Health: Alterations in CV Function and Perfusion	Virtual Application-Critical Alterations in Gas Exchange: due this Friday 9/18/26 by 11:59pm

Thu	9/17	ATI: Ch. 29: ECG/Dysrhythmias ATI: Ch. 30: Pacemakers/ICDs Wagner. Ch. 9: 198-251 (ECG) ATI: Ch. 33: HF and Pulm Edema ATI: Ch. 34: Valvular Heart Disease Wagner. Ch. 13: 365-389 (Cardiac assessment) Wagner. Ch. 14: 391-415 (Alt. Cardiac Fx)	Critical Care Nursing: Critical Alterations in Perfusion Alterations in Health: Alterations in CV Function and Perfusion Critical Care Nursing: Critical Alterations in Perfusion Alterations in Health: Alterations in CV Function and Perfusion	*Quiz 2 - covers content through 9/23/26
Thu	9/24	ATI: Ch. 33: HF and Pulm Edema ATI: Ch. 34: Valvular Heart Disease Wagner. Ch. 13: 365-389 (Cardiac assessment) Wagner. Ch. 14: 391-415 (Alt. Cardiac Fx) ATI: Ch. 31: Invasive CV Procedures ATI: Ch. 32: Angina and MI ATI: Ch. 39: Aneuryms Wagner. Ch. 15: 418-440 (Alt. Myocardial Perfusion)	Critical Care Nursing: Critical Alterations in Perfusion Alterations in Health: Alterations in CV Function and Perfusion Critical Care Nursing: Critical Alterations in Perfusion Alterations in Health: Alterations in CV Function and Perfusion	*Quiz 3 - covers content through 9/30/26
Thu	10/1	ATI: Ch. 31: Invasive CV Procedures ATI: Ch. 32: Angina and MI ATI: Ch. 39: Aneuryms Wagner. Ch. 15: 418-440 (Alt. Myocardial Perfusion) MIDTERM EXAM	Critical Care Nursing: Critical Alterations in Perfusion Alterations in Health: Alterations in CV Function and Perfusion	Wrap up of listed content/Midterm Review Comprehensive Midterm Exam
Thu	10/8	ATI: Ch. 44: Fluid Imbalances ATI: Ch. 45: Electrolyte Imbalances ATI: Ch. 77: Endocrine diagnostics (SIADH & DI content) ATI: Ch. 61: AKI content ATI: Ch. 59: HD & Peritoneal Dialysis Wagner. Ch. 25/26: 656-691 (F&E alterations) Wagner. Ch. 27: 692-716 (Alterations in Kidney Function) ATI: Ch. 44: Fluid Imbalances ATI: Ch. 45: Electrolyte Imbalances ATI: Ch. 77: Endocrine diagnostics (SIADH & DI content) ATI: Ch. 61: AKI content ATI: Ch. 59: HD & Peritoneal Dialysis Wagner. Ch. 25/26: 656-691 (F&E alterations) Wagner. Ch. 27: 692-716 (Alterations in Kidney Function)	Alterations in Health: Disrupted Homeostasis: Fluid and Electrolyte Imbalance Lessons Alterations in Health: Alterations in Kidney Function and Elimination Alterations in Health: Disrupted Homeostasis: Fluid and Electrolyte Imbalance Lessons Alterations in Health: Alterations in Kidney Function and Elimination	Virtual Application: Disrupted Homeostasis due Friday 10/23/26 by 11:59pm

Thu	10/15	ATI: Ch. 44: Fluid Imbalances ATI: Ch. 45: Electrolyte Imbalances ATI: Ch. 77: Endocrine diagnostics (SIADH & DI content) ATI: Ch. 61: AKI content ATI: Ch. 59: HD & Peritoneal Dialysis Wagner. Ch. 25/26: 656-691 (F&E alterations) Wagner. Ch. 27: 692-716 (Alterations in Kidney Function) ATI: Ch. 47: GI Diagnostic Procedures ATI: Ch. 48: GI Therapeutic Procedures ATI: Ch. 56: Hepatitis/Cirrhosis ATI: Ch. 54: Cholecystitis/Pancreatitis Wagner. Ch. 23: 619-634 (Alterations in Liver Function Wagner. Ch. 24: 636-653 (Alterations in Pancreas Function)	Alterations in Health: Disrupted Homeostasis: Fluid and Electrolyte Imbalance Lessons Alterations in Health: Alterations in Kidney Function and Elimination Alterations in Health: Alterations in Digestion and Bowel Elimination Alterations in Health: Alterations in Hematologic Function	Virtual Application: Disrupted Homeostasis due Friday 10/23/26 by 11:59pm
Thu	10/22	ATI: Ch. 47: GI Diagnostic Procedures ATI: Ch. 48: GI Therapeutic Procedures ATI: Ch. 56: Hepatitis/Cirrhosis ATI: Ch. 54: Cholecystitis/Pancreatitis Wagner. Ch. 23: 619-634 (Alterations in Liver Function) Wagner. Ch. 24: 636-653 (Alterations in Pancreas Function) ATI: Ch. 15: Head Injury ATI: Ch. 76: Burns Wagner. Ch. 16: 443-473 (Cerebral Perfusion) Wagner. Ch. 36: 906-929 (Acute Burn Injury)	Alterations in Health: Alterations in Digestion and Bowel Elimination Alterations in Health: Alterations in Hematologic Function Critical Care Nursing: Critical Neurologic Dysfunction Critical Care Nursing: Intro to CC (Triage and Burns) Alterations in Health: Alterations in Neurologic Function Alterations in Health: Alterations in Tissue Integrity	*Quiz 4 - content covered through 10/28/2026 Concept Maps Due 11/2/2026 to Clinical Instructor Virtual Application: Critical Neurological Dysfunction due Friday 11/6/2026 by 11:59PM ATI Practice A Due Sunday 11/8/2026
Thu	10/29	ATI: Ch. 15: Head Injury ATI: Ch. 76: Burns Wagner. Ch. 16: 443-473 (Cerebral Perfusion) Wagner. Ch. 36: 906-929 (Acute Burn Injury) ATI: Ch. 76: Burns ATI: Ch. 38: Shock ATI: Ch. 43: Coagulation Disorders (DIC) Wagner. Ch. 36: 906-929 (Acute Burn Injury) Wagner. Ch. 37/38: 932-973 (Shock/MODS)	Critical Care Nursing: Critical Neurologic Dysfunction Critical Care Nursing: Intro to CC (Triage and Burns) Alterations in Health: Alterations in Neurologic Function Alterations in Health: Alterations in Tissue Integrity Critical Care Nursing: Intro to CC (Triage and Burns) Critical Care Nursing: Critical Alterations in Perfusion Alterations in Health: Alterations in Tissue Integrity Alterations in Health: Alterations in Spinal Cord Function	Virtual Application: Critical Neurological Dysfunction due Friday 11/6/2026 by 11:59PM ATI Practice A Due Sunday 11/8/2026 Research Articles Due 11/9/2026 to Clinical Instructor ATI Practice B due Sunday 11/15/2026 Any recorded content will be on Quiz 5
Thu	11/5	ATI: Ch. 77: Endocrine Diagnostics ATI: Ch. 82: Acute Adrenal Crisis ATI: Ch. 84: Complications of Diabetes Wagner. Ch. 32: 820-838 (Metabolic Stress Response) Wagner. Ch. 33: 841-861 (Diabetic Crisis) No Class	Critical Care Nursing: Critical Endocrine Dysfunction Alterations in Health: Alterations in Endocrine Dysfunction	*Quiz 5 - content covered through 11/11/2026 Clinical Presentations Week (In Clinical)

Thu	11/12	ATI: Ch. 77: Endocrine Diagnostics ATI: Ch. 82: Acute Adrenal Crisis ATI: Ch. 84: Complications of Diabetes Wagner: Ch. 32: 820-838 (Metabolic Stress Response) Wagner: Ch. 33: 841-861 (Diabetic Crisis) ATI RN PHARMACOLOGY 2023 EXAM	Critical Care Nursing: Critical Endocrine Dysfunction Alterations in Health: Alterations in Endocrine Dysfunction	Clinical Presentations Week (In Clinical) Virtual Application: Critical Endocrine Dysfunction due Friday 11/20/2026 by 11:59PM In Class ATI Pharmacology Exam
Thu	11/19	ATI: Ch. 60: Kidney Transplant Wagner: Ch. 39: 975-1001 (Transplant) No Class	Critical Care Nursing: Comfort/Dignity with Death: End of Life Surgical Nursing: Caring for the Surgicial Client: Transplant	*Quiz 6- content covered through 11/25/2026 Clinical Simulation Week - On Campus
Thu	11/26	Catch Up and Final Review		Final Exam Review Clinical Simulation Week - On Campus Comprehensive Final Exam - Monday 12/7/2026 (08:00AM-10:00AM)
Thu	12/3	No Class		

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