![UT Tyler School of Nursing logo]

Emergency and Critical Care
Transport Elective

NURS 4347
Summer 2025

Scheduled Class Days and Times: Online

Instructor's Name: Carlton Rojas, DNP, APRN, CNE-cl, EMT-P
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Preferred method of contact is by Canvas for course related subjects. Email for other issues. Text for urgent issues. Please state your name and course on all messages.

Course Description:

This course is designed to introduce the didactic information necessary to identify and treat critically ill and injured patients in preparation for transfer to a tertiary facility. Effective assessment and emergency stabilization skills, healthcare team dynamics, and safety are emphasized. Students will gain advanced skills and demonstrate critical thinking in applying evidence-based practice to care for clients with life-threatening disorders. Students will gain the skills needed to stabilize a critically ill or injured patient and prepare the patient for Critical Care Transportation.

Prerequisites:

NURS-4626 (Caring for the Acutely Ill)

Note: Successful completion of NURS-4626 is **REQUIRED PRIOR** to taking this course.

Student Learning Outcomes:

Upon successful completion of this course, the student will be able to:

1. Students will develop entry level competency in procedural skills with emphasis on emergency and critical care nursing practice. Students will demonstrate mastery of the introductory concepts as they relate to critical care emergencies, stabilization, and preparation for critical care transport.

2. Professionalism. Students will have opportunities to engage with various interdisciplinary

emergency, critical care, and transport specialists through guest interviews.

3. Patient Centered Care. Students will recognize the critically ill and injured patient's preferences, values, and needs, and consider the uniqueness of the patient and their family and incorporate information into the plan of care.

4. Evidence Based Practice. Students will synthesize and apply evidence, along with clinical expertise and patient values, to improve the critically ill and injured patient's outcomes.

5. Quality Improvement. Students will show a systematic, data-guided approach to continuously improve outcomes and processes for critically ill and/or injured patients.

6. Teamwork and Collaboration. Students will develop an understanding of the vital function of interprofessional teams in the emergency/critical care arena and demonstrate effective communication, mutual respect, and shared decision-making to achieve quality patient care.

7. Leadership. Students will promote the practice of professional emergency/critical care nursing through leadership and advocacy.

8. Safety. Students will discuss appropriate measures to promote quality and a safe environment for patients, self, and others in the emergency and critical care transport environment.

9. This course focuses on the integration, translation, and application of established and evolving scientific knowledge of evidence-based critical care evaluation and management strategies as the basis for ethical clinical judgement, innovation, and diagnostic reasoning.

Required Textbooks:
Emergency Nurses Association. (2023). *Sheehy's Manual of Emergency Care*. Elsevier Health
Sciences.
ISBN: 978-0-323-71060-2

Special Course Notes:

1. Proctoring Notice: N/A

2. Alternate Locations of Class: Online Course

3. This course may require students to use external websites as a resource to enhance their learning, and such resources will be outlined specifically within each module.

Assignments and Weights/Percentage/Point Values:

Assignment:	Percentage of Grade:
Case studies- 2 (equally weighted)	20%
Participation (Interview Quizzes)	20%
Exams- 4 (equally weighted)	60%
Total	100%

Grading Scale: Specific guidelines and grading criteria for all assignments are in the Modules. Final grades for the course will be determined based upon the following point assignments:

A - 90-100
B - 80-89
C - 75-79
D - 60-74
F - Below 60

Final course grades less than 75 are not rounded up.

Grade Appeals: Although the university policy allows 60 days for grade appeals, the School of Nursing follows a stricter timeline of 10 days to facilitate students' timely progression through the curriculum. In the case of extenuating circumstances, please consult the Associate Dean of Academic Affairs for guidance.

Academic Integrity: Cheating of any kind, as defined in Section 8 of the UT Tyler Manual of Policies and Procedures (MOPP) for Student Affairs (https://www.uttyler.edu/mopp/), will not be tolerated. Consequences may include:

- reprimand
- exam failure
- course failure
- expulsion from the Nursing program
- expulsion from the University
- other consequences as assigned

Exam and homework materials, questions, and problems are the intellectual property of faculty, UT Tyler, or publishers.
- These materials may not be distributed without permission.
- Distributing or uploading them to online resources destroys the integrity of the assignment and the course, allowing others an unfair advantage by letting them view the materials.
- Uploading these materials to online resources is a violation of UT Tyler's academic misconduct policies and may result in formal conduct charges.
- Sanctions for uploading or otherwise divulging the contents of these materials can include:
  - a reduced or failing grade on an assignment

- a reduced or failing grade for the course
- removal from the Nursing program
- removal from UT Tyler

Late Policy: 5% will be deducted each day an assignment is past due unless prior arrangements have been made with your course faculty. Extenuating circumstances may apply.

Repeating a Course: Students repeating this course may not use previously submitted assignments nor utilize the same patients for an assignment. Submitting the same or slightly modified assignments from previous semesters is considered self-plagiarism and is subject to academic discipline, including failing the assignment or the course.

Attendance and Make-up Policy: Online participation is expected. Make-up for quizzes or assignments missed is at the instructor's discretion.

Grade Replacement: Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date of the semester in which the course will be repeated. Grade Replacement Contracts are available in the Enrollment Services Center or at http://www.uttyler.edu/registrar. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar.

Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract.

Graded Course Requirements Information:

1) Exams will cover the reading content, and any PowerPoint/videos assigned for the modules. Quizzes are open-book, open-note format and will not be proctored. However, you are expected to complete each quiz independently.
2) Case Study Assignments will be composed of an unfolding case study format. A group of assigned students will work together to solve the unfolding case of a patient requiring resuscitation.
3) Participation. All lectures and guest interviews will be recorded. Students are expected to view them the week they are available. Interviews will have a short quiz associated with them. Participation in these items will be counted towards credit for participation.

Artificial Intelligence in Course Work: Refer to the UT Tyler website for more details at https://www.uttyler.edu/digital-learning/ai/

Important Course Dates:

Classes Begin: May 5, 2025

Census Date: May 19, 2025

Last day to withdraw: July 8, 2025 Please contact your advisor to discuss withdrawing from the course and notify your course instructor.

Calendar of Topics, Readings, and Due Dates:

Week & Class Dates	Module/Title	Text Chapters	Quizzes, Assignments & Activities
Week 1 May 5-11	Module 1: History of Critical Care Transport Recognition of deterioration	Sheehy Ch 36	
Week 2 May 12- 18	Module 1: Basic Airway Management Oxygenation and Ventilatory Support Assistance with endotracheal intubation	Sheehy Ch 11	
Week 3 May 19 -25	Module 1: Pulmonary Emergencies Management of Chest Tubes	Sheehy CH 11	
Week 4 May 26- June 1	Module 2 Cardiac Emergencies Management of Cardiac Infusions	Sheehy Ch 12	5/27 Module 1 Exam
Week 5 June 2- 8	Module 2: Neurological Emergencies Sedation and Analgesia in the critically ill	Sheehy Ch 16	6/8 Medical Case Study Due
Week 6 June 9- 15	Module 2: Metabolic Emergencies Endocrine Emergencies Toxicology Emergencies	Sheehy CH 32, 34	
Week 7 June 16- 22	Module 3: Obstetric Emergencies and Transport Considerations	Sheehy Ch 22	6/16 Module 2 Exam 6/26 8p, ER Nurse Interview 6/29 Quiz Due

Week 8 June 23- 29	Module 3: Neonatal Emergencies and Transport considerations		
Week 9 June 30- July 6	Module 3: Pediatric Emergencies and Transport Considerations	Sheehy Ch 38	7/7 Module 3 Exam
Week 10 July 7- 13	Module 4: Head and Spine Trauma	Sheehy Ch 17	
Week 11 July 14- 20	Module 4: Chest and Abdominal Trauma	Sheehy Ch 14, 21	7/17 5p, ICU/ Flight Nurse Candidate Interview
Week 12 July 21- 27	Module 4 Orthopedic Trauma Burn Trauma Trauma Shock Mangement	Sheehy Ch 25, 27	7/27 Trauma Case Study Due
Week 13 July 28- 30	Module 4 EMS and HEMS Operations Preparation for Critical Care Transport		7/31 Module 4 Exam Due
Week 14	Grad Week		8/9 Graduation

School of Nursing Policies and Additional Information can be found at the website below.

https://www.uttyler.edu/nursing/college/student_guide_and_policies.php

Student Resources and University Policies and Information are provided in Canvas.

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