

**NURSING 202: ADVANCED CONCEPTS OF NURSING**  
**UNIT VI: TRAUMA AND EMERGENCY NURSING**

**UNIT OBJECTIVES**

**AT THE COMPLETION OF THE UNIT, THE STUDENT:**

1. Identifies the principles of disaster nursing, emergency nursing, and triage in an emergency situation.
2. Explains the priorities of emergency management in the patient with multiple injuries.
3. Analyzes priority assessments for patients with urgent needs.
4. Demonstrates correct blood administration procedure.
5. Identifies modes of emergency transport and classification of trauma centers.
6. Describes management of hypovolemic shock secondary to trauma by the administration of blood transfusion products.
7. Explains the nursing responsibilities for complications encountered during the intensive and extended care of the trauma patient.
8. Discusses the nursing care of the patient with a burn injury.
9. Relates how trauma affects specific populations.
10. Explains variations in procedures/techniques when resuscitating the pregnant client.
11. Describes the emergency nursing care of the patient with acute injury, i.e., facial, throat, thoracic, abdominal, renal, musculoskeletal, or extremity trauma.
12. Describes the emergency nursing care associated with perfusion emergencies, penetrating wounds, traumatic wounds, exposure injuries, poisoning, drug-related emergencies, water emergencies, and rape trauma.
13. Applies evidence-based practice/best practice standards related to care of the trauma patient.
14. Discusses the role of the case manager when working with and discharging a patient brought in for a trauma.

15. Identifies the uses of capnography pre-hospital and in the acute care setting.
16. Demonstrates knowledge of emergency management, including the National Incident Management System (NIMS), Joint Commission standards, and the Hospital Incident Command System (HICS).

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p><b>Unit VI Emergency &amp; Trauma Nursing:</b>  <b>Theory Hours- 21</b>  <b>Clinical Hours- 9.5</b>  <b>SLP- 3</b></p> <p>I. Violence Prevention &amp; Awareness in the Acute Care Setting</p> <p>II. Triage in the Emergency Situation</p> <p>III. Trauma Systems</p> <p style="padding-left: 20px;">A. Levels of Care</p> <p style="padding-left: 20px;">B. Trauma Systems in Delaware</p> <p>IV. Trauma Assessment</p> <p style="padding-left: 20px;">A. Primary Survey</p> <p style="padding-left: 20px;">B. Secondary Survey</p> <p style="padding-left: 20px;">C. Continuation of Care</p> <p style="padding-left: 20px;">D. Pearls of Trauma Care</p> <p style="padding-left: 20px;">E. Emergency &amp; Mass Casualty Incident Preparedness</p> <p>V. Specific Conditions/ Injuries</p> <p style="padding-left: 20px;">A. Chest Trauma</p> <p style="padding-left: 20px;">B. Facial/ Ocular Trauma</p> <p>VI. Burns</p> <p style="padding-left: 20px;">A. Etiology/ Incidence</p> <p style="padding-left: 40px;">i. Statistics</p> <p style="padding-left: 40px;">ii. Population at Risk</p> <p style="padding-left: 20px;">B. Types of Burns</p> <p style="padding-left: 40px;">i. Thermal</p> <p style="padding-left: 40px;">ii. Radiation</p> <p style="padding-left: 40px;">iii. Electrical</p> <p style="padding-left: 40px;">iv. Chemical</p> <p style="padding-left: 20px;">C. Severity of Burns</p> <p style="padding-left: 40px;">i. Depth of Damage</p> <p style="padding-left: 80px;">1. Superficial Partial Thickness</p> <p style="padding-left: 80px;">2. Partial Thickness</p> <p style="padding-left: 80px;">3. Full Thickness</p>	<p>Interactive Lecture:  Guest Speakers  Situational Awareness  Stop the Bleed Campaign</p> <p>Experiential Learning:  Simulation- Turning a patient with neutral cervical alignment</p> <p>Cooperative &amp;  Collaborative Learning:  Group Work- Think-Pair-Share: Types of shock in trauma &amp; Pearls of Trauma Assessment, Diagnosis, and Treatment</p> <p>Interactive Lecture: Guest Speaker on Delaware Trauma Systems and Emergency Transport by Flight</p> <p>Classroom Assessment Techniques: In-class Test Questions</p>	<p>Clinical Observations  Pre/Post Conference</p> <p>Healthstream: ALICE Training</p> <p>Class Prep: Primary Survey</p> <p>Class Prep: Chest Trauma</p> <p>Independent Read and Review  Independent Review – Chest Drainage Systems</p> <p>ATI Skills Module: Chest Drainage System</p>	<p>Class Preparation</p> <p>Clinical Evaluation</p> <p>Simulation</p> <p>Pre/Post Conference</p>

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<ul style="list-style-type: none"> <li>ii. Percentage of Burned Surface Area (BSA) and Methods to Calculate               <ul style="list-style-type: none"> <li>1. Rule of Nines</li> <li>2. Lund and Browder Chart</li> </ul> </li> <li>iii. Major/ Minor Burns</li> <li>iv. Other Considerations               <ul style="list-style-type: none"> <li>1. Past Medical History</li> <li>2. Other Trauma</li> <li>3. Special Burned Areas</li> <li>4. Age</li> </ul> </li> <li>D. Pre-Hospital Care               <ul style="list-style-type: none"> <li>i. Assessment/ Care</li> <li>ii. Fluid Resuscitation                   <ul style="list-style-type: none"> <li>1. Parkland Formula</li> </ul> </li> </ul> </li> <li>E. Pathophysiology of Fluid/ Electrolyte Imbalance</li> <li>F. Pain Management</li> <li>G. Wound Care</li> <li>H. Complications</li> <li>I. Psychological Considerations</li> <li>J. Rehabilitation</li> </ul>	<p>Cooperative &amp; Collaborative Learning: Group Work- Think-Pair-Share</p> <p>Experiential Learning: Role Play Case Study Analysis: Case Scenario</p> <p>Interactive Lecture: Crozer Burn Seminar</p>		
<p>VII. Emergency Transport</p> <ul style="list-style-type: none"> <li>A. Flight transport safety</li> </ul>	<p>Cooperative &amp; Collaborative Learning: Group Math Calculations</p>	<p>Flipped Classroom Activities: Self-learning packet</p>	
<p>VIII. Diabetic Emergencies</p> <ul style="list-style-type: none"> <li>A. Diabetic Ketoacidosis (DKA)</li> <li>B. Hypoglycemia</li> </ul>	<p>Case Study Analysis: Pediatric Trauma Scenarios from Dayton Children's</p>	<p>Review Unit I Blood Transfusion Lecture and Policy</p>	<p><b>Quiz</b></p>
<p>IX. Trauma in Special Populations</p> <ul style="list-style-type: none"> <li>A. Trauma in Pregnancy</li> <li>B. Trauma in Children</li> <li>C. Trauma in the Elderly</li> </ul>			<p><b>Exam #7</b></p>
<p>X. Emergency Care of the Patient with Specific Conditions/ Injuries</p> <ul style="list-style-type: none"> <li>A. Perfusion Emergencies           <ul style="list-style-type: none"> <li>i. Hypertensive Crisis</li> <li>ii. Anaphylactic Shock</li> </ul> </li> </ul>	<p>Stanford Children's Imaging Guidelines</p>		



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<ul style="list-style-type: none"> <li>4. Drug Overdose               <ul style="list-style-type: none"> <li>a. Aspirin &amp; Acetaminophen</li> <li>b. Club drugs &amp; Cocaine</li> <li>c. Opioids &amp; Prescription drugs</li> <li>d. Alcohol</li> </ul> </li> <li>5. Active Shooter</li> <li>6. Rape Trauma</li> </ul>		<p>Flipped Classroom Activities: Self-learning packet</p>	<p><b>Quiz</b> <b>Exam #8</b></p>