1. **Course Title:** Critical Care Nursing (1)  
2. **Course Number:** (404)  
3. **Credit Hours:** Total of (5) credits:  
   - Theory (2) credits.  
   - Lab. (1) credits.  
   - Clinical (2) credits.  
4. **Course Calendar:** Total (10) hours weekly of (15) weeks:  
   - Theory (2) hrs.  
   - Lab. (2) hrs.  
   - Clinical (6) hrs.  
5. **Placement:** Fourth years / first semester.  
6. **Instructors:** Nursing factually members in the Medical Surgical Nursing Unit.  
7. **Course Description:**  
   This course introduces general concepts and issues in caring for clients with life threatening illness, and provides the students with opportunity to meet the biopsychosocial needs of clients in critical illness. It builds upon knowledge gained in previous courses, namely nursing care of Adults. Areas of emphasis include advanced assessment and management of critically ill adult with cardiovascular, respiratory, and renal problems, as well as multisystem trauma.  
8. **Course Goals:**  
   Upon completion of the course, the student shall be able to:  
   - Understand the effect of the critical illness on the clients and their families.  
   - Describe the impact of the critical care environment on the clients.  
   - Discuss current monitoring techniques used in critical care settings.  
   - Relate the human responses to critical illness to the underlying pathophysiology.  
   - Discuss psychosocial assessment and interventions relevant to critically ill clients and their families.  
   - Utilize knowledge from the humanities and science in planning the care of critically ill adults.  
   - Demonstrate safe nursing care of critically ill adults.  
   - Utilize effective communication techniques with clients.  
   - Demonstrate competence in homodynamic and cardiac monitoring.  
   - Provide quality nursing care for clients with respiratory dysfunction.  
   - Assess and manage client with renal - urinary dysfunctions.  
   - Deal efficiently with cases of multisystem trauma.  
   - Interpret assessments findings in relation to the underlying critical illness.  
   - Participate in educating critically ill clients and their families.
• Demonstrate professional behavior in relation to clients and members of the health team.

9. Course Outline:

**The Theoretical Content**

**Unit 1: General concepts in caring for critically ill:** (4) hrs.

- Nutritional support.
- Mechanical ventilation.
- Homodynamic monitoring.
- Sedating and paralytic agents.
- Alteration in consciousness.
- Pain.
- Prolonged immobility.

**Unit 2: The concept of holism applied to critical care nursing:** (4) hrs.

- The client’s experience with critical illness.
- The family’s experience with critical illness.
- Impact of critical care environment on the client.
- Relieving pain and providing comfort.
- Psychosocial support for the clients and their families.
- Client and family education in critical care.

**Unit 3: Professional practice issues in critical care:** (2) hrs.

- Ethical issues in critical care nursing.
- Legal issues in critical care nursing.
- Excellence in critical care nursing.

**Unit 4: Special Populations in critical care:** (2) hrs.

- The critically ill pediatric client.
- The critically ill pregnant woman.
- The critically ill older client.
- The post anesthesia client.

**Unit 5: Cardiovascular Dysfunctions:** (4) hrs.

- Acute coronary syndromes:
  - Chest pain.
  - Angina pectoris.
  - Myocardial infarction.
• Heart failure/ pulmonary edema.
• Cardiogenic shock.
• Cardiac surgery.
• Nursing intervention and management.

**Unit 6: Respiratory Dysfunctions:** (4 hrs.)

• Refractory severe asthma.
• Acute lung and acute respiratory distress syndrome.
• Pneumothorax.
• Acute respiratory failure.
• Nursing intervention and management.

**Unit 7: Renal – Urinary Dysfunction:** (4 hrs.)

• Acute renal failure.
• Renal transplantation.
• Renal replacement therapies.
• Nursing intervention and management.

**Unit 8: Multi-system Trauma:** (4 hrs.)

• Wound management.
• Head and facial trauma.
• Spinal cord and neck trauma.
• Chest trauma.
• Abdominal Trauma.
• Musculoskeletal emergencies.
• Burns.

**The Laboratory Content**

• Communication in crisis. (3 hrs.)
• Feeding critically ill client. (3 hrs.)
• Mobilization and transferring of critically ill client. (3 hrs.)
• Undressing client with multi-system trauma. (3 hrs.)
• Wound and skin care of critically ill client. (3 hrs.)
• Homodynamic measurements/ monitoring. (3 hrs.)
• Endotracheal intubation management. (3 hrs.)
• Chest tube intubations management. (3 hrs.)
• Airway obstruction and Resuscitation on CPR procedures. (3 hrs.)
- Crutch and cane fitting for client with casts. (3 hrs.)

**THE Clinical Content**

- Coronary care unit (CCU) (15 hrs.)
- Intensive care unit (I.C.U) (10 hrs.)
- Respiratory care unit (R.C.U) (15 hrs.)
- Recovery Room (R.R) (10 hrs.)
- Kidney dialysis unit (15 hrs.)
- Emergency Room (E.R) (15 hrs.)
- Burn units (10 hrs.)

10. **Learning Resources:**

White board, overhead Projector, posters, handouts, laboratory and clinical settings.

11. **Teaching /Learning Strategies:**

Lectures, group discussion, clinical conference, group lab, work, individual learning, and clinical training.

12. **Students Evaluation:**

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<thead>
<tr>
<th>Evaluation</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>1st theory exam.</td>
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<tr>
<td>2nd theory exam.</td>
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<tr>
<td>Lab. evaluation</td>
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<tr>
<td>Clinical evaluation</td>
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<tr>
<td>Final theory exam.</td>
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<tr>
<td>Final Lab. Exam.</td>
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<tr>
<td>Final Clinical exam.</td>
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<td><strong>Total</strong></td>
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13. References: