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|  | **Mutah University**  **Detailed Syllabus Form** |  |

**First:** Course Information**:**

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| * **Course Number:** 1401425 | * **Course Title:** Critical Care Nursing |
| * **Credit Hours:** 3 Credit Hours | * **College:** Faculty of Nursing |
| * **Pre-requisite**   Fundamentals of nursing, anatomy, physiology  Adult Health (2) Clinical is prerequisites to this course | * **Department:** Adult Health Nursing |
| * **Instructor:**   Dr. Mahmoud Alja’aferh  Dr. Maen Abu Qamar | * **Semester & Academic Year:** |
| * **the time of the lecture:**   Sun, Mon, Tus, Wed: 2 - 3.30 pm | * **Office Hours:**   Sun, Mon, Tus, Wed: 1-2 pm |

**Second:** General Course Description

This course provides the student with knowledge and skills necessary to manage patients with critical conditions. The course content is structured around providing holistic nursing care within a multidisciplinary team.

**Third:** Course Objectives

The course aims at equipping the student with knowledge and skills necessary to provide safe and effective holistic nursing care to patient hospitalized in a critical care setting.

**Fourth:** Expected Learning Outcomes

**Intended Learning Outcomes:**

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

1. **Knowledge and Understanding**

* Discuss briefly the history of critical care nursing
* Discuss main ethics and legal issues occurring in critical care settings
* Discuss nursing diagnosis related to self-concept disturbances imposed by critical illnesses
* Discuss the concept of hemodynamic monitoring in terms of principles, indication and implications
* Discuss principles of care of patients on ventilators
* Presents an overview of the general shock syndrome.

1. **Intellectual Skills**

* Compare and contrast morals and ethics
* Recognize principles of electrocardiogram interpretation
* Examine the etiology, pathophysiology, assessment and intervention of selected alterations
* Incorporate data obtained from different areas of patient (with critical illness) assessment in case studies analysis
* Distinguish between different shock states
* Examine medications commonly used in critical care settings.

1. **Professional Skills**

* Demonstrate respect to ethics aspects of caring for critically ill patients
* Utilize an ethical decision making model to solve ethical dilemmas
* Develop & implement appropriate holistic nursing care plans for critically ill patients.

1. **General and Transferable Skills**

* Communicate effectively with patients, families and members of health care team
* Act within a multidisciplinary team to resolve human responses to hospitalization in critical care settings.

**Fifth:** Course Plan Distribution & Learning Resources

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| **Learning Resources** | **Topics to be Covered** | **Week**  **No.** |
| Chapter 21 | Introduction to **Respiratory system** |  |
| Chapter 22 | **Respiratory system** Patient assessment  **Pulmonary assessment**  Patient assessment & management  Bronchial hygiene therapy, oxygen therapy, chest tubes |  |
| Chapter 22 | **Pulmonary Diagnostic procedure** |  |
| Chapter 23 | **Pulmonary disorders**  Acute respiratory failure  Acute respiratory distress syndrome  Acute lung injury  Aspirated pneumonitis |  |
| Chapter 23 | **Pulmonary disorders**  Pneumothorax  Pulmonary embolism  Air leak disorders,  Thoracic surgery,  Long-term mechanical ventilation dependence |  |
| Chapter 24 | **Pulmonary therapeutic management**  (oxygen therapy, artificial airways, mechanical ventilation) |  |
| Chapter 15 | Introduction to **cardiac system** |  |
| Chapter 16 | **Cardiovascular Alterations**  Diagnostic Studies (Laboratory Studies, |  |
| Chapter 17 | Cardiovascular Alterations  Diagnostic Procedures {Chest Radiography, , Stress test, Magnetic Resonance Image, Cardiac Catheterization & Hemodynamic monitoring}) |  |
| Chapter 18 | **Cardiovascular disorders:**  (coronary artery disease, sudden cardiac death, endocarditis, valvular heart disease, peripheral vascular disease, venous thrombosis ) |  |
| Chapter 19 | **Cardiovascular therapeutic management:**  (Pacemaker, Fibrinolytic therapy, catheter interventions, cardiac surgery, cardiac medication) |  |
| Chapter 26 | **Neurological assessment and diagnosis** |  |
| Chapter 27 | **Neurological alteration:** Cerebral hemorrhage, Intracranial hypertension |  |
| Chapter 29, 30 | **Renal clinical assessment & diagnosis**  Renal Disorders: Acute kidney injury, Hemodialysis |  |
| Chapter37 | **Trauma** |  |
| Chapter 40  Chapter 38 | **BURN,**  **Shock** (Types of shock, Management of shock) |  |

**Sixth:** Teaching Strategies and Methods

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| **Teaching Strategies and Methods** | No |
| **Pre lectures Self-readings** | **1** |
| **Data show lectures and discussion** | **2** |
| **Group discussion and class activity** | **3** |

**Seventh:** Methods of Assessment

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| **Proportion of Final Evaluation** | **Evaluation Methods of** | **Week & Date** | **No.** |
| **25%** | **First Exam** | **Week 6**  Thurs 16-11-2023 | **1.** |
| **25%** | **Second Exam** | **Week 12**  Thurs 28-12-2023 | **2.** |
| **50%** | **Final Exam** | Week 16  ( as per university schedule) | **3.** |
| **(100%)** |  | **Total** | |

**Eighth:** Required Textbooks

**- Primary Textbook:**

Urden L., Stacy K., and Lough M., Thelan's: Critical care nursing: diagnosis & management. 8th ed. Mosby; 2017.

**- Secondary References**

1. Perrin [Kathleen.](http://www.pearsoned.co.uk/Bookshop/Results.asp?iCurPage=1&Type=1&Author=Kathleen+Perrin&Download=1&SearchTerm=Kathleen+Perrin)  Understanding the Essentials of Critical Care Nursing. 3rd ed. Pearson Prentice Hall, New Jersey, 2017.
2. Patricia Morton and Dorrie Fontaine, Essentials of critical care nursing: A holistic approach. 1st ed., Lippincott; 2013

**Ninth:** General Instructions

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| **Additional Notes, Office hours, Incomplete Exams, Reports, Papers, …etc** | **No** |
| **Course Policy**  **Class attendance:** For maximum benefits from this course, regular attendance is necessary. The student is expected to attend each class regularly on time, and to be present in body and mind. Class attendance for this course is guided by the official policy stated in Mutah University; thereby the student is completely responsible that his/her absenteeism is in accordance with the official policy. Please refer to student manual pages 56 and 70. The student is completely responsible for any instructions, assignments, or work missed during an absence.  **Mobile Phones**: Switch off your mobile phone during lectures. The mobiles should not be held in students' hands during the lecture because their attention goes towards it and they can't study attentively. | **1** |