

## Course Specification

I. Course Identification and General Information:					
1	Course Title:	Critical care nursing I			
2	Course Code & Number:	MCCN02			
3	Credit hours: 4	C.H			TOTAL
		Th.	Seminar	Pr	
		2	-	-	2
4	Study level/ semester at which this course is offered:	First year/ First semester			
5	Pre –requisite:				
6	Co –requisite :	-			
7	Program (s) in which the course is offered:	Critical care nursing			
8	Language of teaching the course:	English			
9	Location of teaching the course:	Faculty of Nursing			
10	Prepared By:	Dr. Mohammed Al-Akmer			
11	Date of Approval	2022			

### II. Course Description:

The course discusses health, nursing and critical care nursing. It also defines critical care nursing and highlights the role and functions of a critical care nurse a brief history of how critical care has design and infrastructure and facilities of a critical care unit together with an essential supplies, equipment and drugs to be maintained in a critical care unit. The course focuses on the application of management functions in a critical care unit and on maintenance of records and reports in these units

**III. Intended learning outcomes of the course (ILCOs) and their alignment to Program Intended learning outcomes (PILOs)**

ILCOs	PILOs
1. Define critical care nursing and describe the need and importance of critical care nursing in secondary and tertiary level health care institutions.	A1
2. Explain the role and functions of a critical care nurse.	D1
3. Describe the Nursing process in critical care unit.	A5
4. Describe the records and reports to be maintained in a critical care unit.	B3
5. Identify therapeutic and monitoring technique	A1
6. Use most common critical care nursing modalities in the critical care units.	C2

**(A) Alignment Course Intended Learning Outcomes of Knowledge and Understanding to Teaching Strategies and Assessment Strategies:**

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
a1. Define critical care nursing and describe the need and importance of critical care nursing in secondary and tertiary level health care institutions.	Lecture Discussion	Essay type Short answer Objective type
a5. Describe the Nursing process in critical care unit.	Lecture Discussion	Short answer Objective type
a1. Identify therapeutic and monitoring technique	Lecture Discussion	Short answer Objective type

**(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:**

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
b3. Describe the records and reports to be maintained in a critical care unit.	Lecture Discussion Exercise Demonstration	Short answer Objective type

**(C) Alignment Course Intended Learning Outcomes of Professional and Practical Skills to Teaching Strategies and Assessment Strategies:**

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
c2. Use most common critical care nursing modalities in the critical care units.	Lecture Discussion Exercise Demonstration	Short answer Objective type

<b>(D) Alignment Course Intended Learning Outcomes of General and Transferable Skills to Teaching Strategies and Assessment Strategies:</b>		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
d1. Explain the role and functions of a critical care nurse.	Lecture Discussion Exercise Demonstration	Short answer Objective type

<b>III. Course Content:</b>					
<b>A – Theoretical Aspect:</b>					
Order	Units/Topics List	Sub Topics List	No. of Weeks	Contact hours	Learning Outcomes
1	General aspects of care	<ul style="list-style-type: none"> <li>• Evolution of critical care : Historical Perspectives</li> <li>• concepts of critical care nursing</li> <li>• Principles of critical care nursing</li> <li>• Role of the nurse in critical care unit</li> <li>• Planning of a critical care unit</li> <li>• Nosocomial infections and their control in critical care units</li> <li>• Psychosocial components of critical care nursing</li> </ul>	2	4	a1,d1
2	Nursing process in critical care unit.	<ul style="list-style-type: none"> <li>• Critical care nursing practice : An Integration of caring , competence, and commitment to excellence</li> <li>• The patient's experience with critical illness</li> <li>• The family's experience with critical illness</li> <li>• Impact of the critical care environment on the patient</li> <li>• Relieving pain and providing comfort</li> </ul>	2	4	a5

		<ul style="list-style-type: none"> <li>• Patient and family education in critical</li> <li>• Ethical issues in critical care Nursing legal issues in critical care nursing</li> <li>• Genetic issues in critical care nursing</li> <li>• Building a professional practice model for excellence in critical care nursing</li> </ul>			
3	Critical nursing care modalities	<ul style="list-style-type: none"> <li>• Electrocardiogram</li> <li>• Airway management <ul style="list-style-type: none"> <li>○ With mask</li> <li>○ Endotracheal intubations</li> <li>○ Tracheotomy</li> <li>○ Cuff inflation</li> </ul> </li> <li>• Suctioning</li> </ul>	4	8	a1,b3
4	Midterm exam		1	2	a1,a5,d1
5	Critical nursing care modalities	<ul style="list-style-type: none"> <li>• Arterial puncture and arterial blood gas estimation</li> <li>• Measuring CSF pressure</li> <li>• Ventricular catheterization</li> <li>• Hemodynamic monitoring <ul style="list-style-type: none"> <li>○ Pulmonary artery pressure</li> <li>○ Central venous pressure</li> </ul> </li> <li>• Oxygen therapy</li> <li>• Chest drainage</li> </ul>	6	12	a1,b3
6	Final exam		1	2	a1,a5,b3,d1
<b>Number of Weeks /and Units Per Semester</b>			<b>16</b>	<b>32</b>	

<b>B - Practical Aspect:</b>				
<b>Order</b>	<b>Tasks/ Experiments</b>	<b>Number of Weeks</b>	<b>contact hours</b>	<b>Learning Outcomes</b>
1	<ul style="list-style-type: none"> <li>• Electrocardiogram</li> <li>• Airway management               <ul style="list-style-type: none"> <li>○ With mask</li> <li>○ Endotracheal intubations</li> <li>○ Tracheotomy</li> <li>○ Cuff inflation</li> </ul> </li> <li>• Suctioning</li> <li>• Arterial puncture and arterial blood gas estimation</li> <li>• Measuring CSF pressure</li> <li>• Ventricular catheterization</li> <li>• Homodynamic monitoring               <ul style="list-style-type: none"> <li>○ Pulmonary artery pressure</li> <li>○ Central venous pressure</li> </ul> </li> <li>• Oxygen therapy</li> <li>• Chest drainage</li> </ul>	10	20	c2
<b>Number of Weeks /and Units Per Semester</b>		-	-	-

<b>IV. Teaching strategies of the course:</b>
1. Lecture – Discussion 2. Field training

<b>V. Assignments:</b>				
<b>No</b>	<b>Assignments</b>	<b>Aligned CILOs(symbols)</b>	<b>Week Due</b>	<b>Mark</b>
1	Chest physiotherapy	c2	3-10	10

## VI. Schedule of Assessment Tasks for Students During the Semester

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Student assignment	5th and 12th week	10	10 %	a1,a5,b3,d1
2	Presentation	4 <sup>st</sup> and 14 <sup>th</sup> week	20	20 %	a1,a5,b3,d1
3	Mid-term exam	7th or 8th week	20	20%	c2
4	Final exam	16th-17th week	50	50 %	a1,a5,d1
5	Student assignment	5th and 12th week	10	10 %	a1,a5,b3,d1
<b>Total Theory Weight</b>			<b>100</b>	<b>100%</b>	

## VII. Learning Resources:

### 1- Required Textbook(s)

1. Dolan Jones T. critical care Nursing F.A Dogs company. Philadelphia 1991 1<sup>st</sup> ed.
2. Rollin Nancy (et al) Text book of critical care nursing W.B. Saunders Company Philadelphia 1993.

### 2- Essential References.

1. Rollin Nancy (et al) Text book of critical care nursing W.B. Saunders company Philadelphia 1993.

### 3- Electronic Materials and Web Sites *etc.*

1. <http://www.yahoo.com>
2. <http://www.google.com>

### VIII. Course Policies:

1.	<b>Class Attendance:</b> At least 75 % of the course hours should be attended by the student. Otherwise, he/she will not be allowed to attend the final exam
2.	<b>Tardy:</b> any student who is late for more than 15 minutes from starting the lecture will not be allowed to attend the lecture and will be considered absent.
3.	<b>Exam Attendance/Punctuality:</b> Any student who is late for more than 30 minutes from starting the exam will not be allowed to attend the exam and will be considered absent.
4.	<b>Assignments &amp; Projects:</b> Assignments and projects will be assessed individually unless the teacher request for group work
5.	<b>Cheating:</b> Cheating by any means will cause the student failure and he/she must re-study the course
6.	<b>Plagiarism:</b> Plagiarism by any means will cause the student failure in the course. Other disciplinary procedures will be according to the college rules.

## Course Plan (Syllabus)

I. Information about Faculty Member Responsible for the Course:								
Name of Faculty Member	Dr. Mohammed Al-Akmer		Office Hours					
Location & Telephone No.			SAT	SUN	MON	TUE	WED	THU
E-mail				X				

II. Course Identification and General Information:					
1.	Course Title:	Critical care nursing I			
2.	Course Number & Code:	MCCN02			
3.	Credit hours: 4	C.H			Total
		Th.	Seminar	Pr.	
		2	-	-	2
4.	Study level/year at which this course is offered:	First year/ First semester			
5.	Pre –requisite:	-			
6.	Co –requisite :	-			
7.	Program (s) in which the course is offered	Critical care nursing			
8.	Language of teaching the course:	English			
9.	System of Study:	Semester system			
10.	Mode of delivery:	Full time			
11.	Location of teaching the course:	Faculty of Nursing			

III. Course Description:	
<p>The course discusses health, nursing and critical care nursing. It also defines critical care nursing and highlights the role and functions of a critical care nurse a brief history of how critical care has design and infrastructure and facilities of a critical care unit together with an essential supplies, equipment and drugs to be maintained in a critical care unit. The course focuses on the application of management functions in a critical care unit and on maintenance of records and reports in these units</p>	

**IV. Intended learning outcomes (ILOs) of the course:**

1. Define critical care nursing and describe the need and importance of critical care nursing in secondary and tertiary level health care institutions.
2. Explain the role and functions of a critical care nurse.
3. Describe the Nursing process in critical care unit.
4. Describe the records and reports to be maintained in a critical care unit.
5. Identify therapeutic and monitoring technique
6. Use most common critical care nursing modalities in the critical care units.

**V. Course Content:**

- Distribution of Semester Weekly Plan of Course Topics/Items and Activities.

**A – Theoretical Aspect:**

Order	Topics List	Week Due	Contact Hours
1	General aspects of care	1-2	4
2	Nursing process in critical care unit.	3-4	2
3	Critical nursing care modalities	5-8	8
4	Midterm exam	9	2
5	Critical nursing care modalities	10-15	12
6	Final exam	16	2
<b>Number of Weeks /and Units Per Semester</b>		<b>16</b>	<b>32</b>

**B– Practical Aspect:**

Order	Topics List	Week Due	Contact Hours
1	<ul style="list-style-type: none"> <li>• Electrocardiogram</li> <li>• Airway management               <ul style="list-style-type: none"> <li>○ With mask</li> <li>○ Endotracheal intubations</li> <li>○ Tracheotomy</li> <li>○ Cuff inflation</li> </ul> </li> <li>• Suctioning</li> <li>• Arterial puncture and arterial blood gas estimation</li> <li>• Measuring CSF pressure</li> <li>• Ventricular catheterization</li> </ul>	10	20

	<ul style="list-style-type: none"> <li>• Homodynamic monitoring <ul style="list-style-type: none"> <li>○ Pulmonary artery pressure</li> <li>○ Central venous pressure</li> </ul> </li> <li>• Oxygen therapy</li> <li>• Chest drainage</li> </ul>		
<b>Number of Weeks /and Units Per Semester</b>		-	-

### VI. Teaching strategies of the course:

1. Lecture - Discussion
2. Field training

### VII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Chest physiotherapy	c2	3-10	10

### VIII. Schedule of Assessment Tasks for Students During the Semester

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Student assignment	5th and 12th week	10	10 %	a6, c1, d4
2	Presentation	4 <sup>st</sup> and 14 <sup>th</sup> week	20	20 %	a6, c1, d4
3	Mid-term exam	7th or 8th week	20	20%	a6
4	Final exam	16th-17th week	50	50 %	a6, c1, d4
5	Student assignment	5th and 12th week	10	10 %	a6, c1, d4
<b>Total Theory Weight</b>			<b>100</b>	<b>100%</b>	

### VIII. Course Policies:

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