

### Course Specification

<b>Programme (s) on which the course is given:</b> B. SC in nursing	<b>Major / minor:</b>
<b>Department offering the programme:</b> Critical Care and Emergency Nursing	<b>Department offering the course:</b> Critical Care and Emergency Nursing
<b>Academic Year/Level:</b> 2 <sup>nd</sup> year and 2 <sup>nd</sup> semester	<b>Date of Specification approval</b>

#### **A- Basic Information**

<b>Title:</b> Critical Care and Emergency Nursing	<b>Code:</b> Nur. 208
<b>Credit Hours:</b> ---	<b>Lecture:</b> 2hrs / week
<b>Tutorial:</b> 100hr/semester.	

#### **B- Professional Information**

##### **1- Course Objective:**

**At the end of the course the student must be able to**

- Provide the basic knowledge about components of nursing process in care of all ages with complex and acute health problems as basis of nursing practice.
- Enable students to understand nursing assessment skill and implement basic nursing interventions using relevant the theories principles.
- Enable students to used diagnostic approach by giving the students an opportunity to use critical thinking skills to determine management plans and clinical decision making in critical and acute health problems.

##### **2- Intended Learning outcomes of course (ILOs)**

###### **a- Knowledge and understanding:**

- a1- Discuss the mechanisms and symptoms clusters that are manifest as critical and acute health problems.
- a 2- Explain the use of diagnostic testing for evaluation of patient condition with an emphasis on patient care and safety per and post procedure.
- a 3- Recognize the clinical significance of findings from laboratory and diagnostic tests.
- a 4- Appraise common pharmacological agents used in care of patients with complex and acute health problems.
- a 5- Mention the role of nursing assessment skill and implementation basic nursing intervention using relevant the theories and scientific principles in critical situation
- a 6-Recognize health assessment to allow students to develop skill in identifying individuals health state as well as deviation from the normal .student's practice nursing procedures and skills in supervised laboratory experiences.

**b- Intellectual skills:**

b1- Analyze health history and physical examination data by identifying path physiologic, treatment, and related factors. Also clustering clinical clues as signs and symptoms to identify clinical nursing problems.

b2- Design rational nursing care plan strategies for acute clinical conditions and take into account the various variables that influence these strategies

b3- utilize a holistic approach when formulating plans and implementing knowledge and skills in the care of patients with complex health problems.

**c- Professional and Practical skills:**

c1- correlate the subjective and objective clinical manifestations of specific manifestations of specific mechanisms.

c2- Evaluate the management outcomes as nursing interventions and revise approach as needed.

c3- Apply the critical knowledge of clinical presentation, assessment and management of critical care problems in the analysis of specific care studies.

**d- General and Transferable skills:**

d1- communicate to the patient and his family

d2- Applies the to anatomical structure of some systems state to rationale for procedures.

d 3- communicate effectively with other health care professionals to maximize patient benefits and minimize the risk of errors.

d 4- use current IT for appropriate nursing care plan data base to reach information about a specific nursing care plan.

d 5- Gather information, develop and interpret a nursing care plan, while the influence of factors such as age, gender, ethnicity, cultural and spiritual values, socioeconomic background, medical condition and communication challenges.

d 6- respect patient's beliefs, values and privacy

**3-Course Content:**

Topic	No. of Hours	Lecture	Tutorial
Patient stability assessment.	2	1	1
Triage	2	1	1
<b>Respiratory System</b>			
1- ARDS	11	1	10
2- Respiratory failure	12	2	10
3- Pulmonary embolism	7	1	6



4- Pulmonary edema	9	1	8
5- Mechanical ventilation	29	4	25
<b>Cardio-Vascular System:</b>			
1. ACS	24	2	22
2. Cardiac surgery	15	2	13
3. Hypertensive crisis.	6	1	5
<b>Gastrointestinal System:</b>			
1- Acute Hepatic failure	9	2	7
<b>Renal System</b>	8	2	6
1- AKI			
<b>Endocrine System</b>	10	2	8
1- Diabetic crisis			
<b>Trauma</b>			
1- Head injury	7	1	6
2- Initial assessment of traumatized patients.	8	2	6
<b>Special situation</b>			
1- Shock	9	2	7
2- SIRS	6	1	5
3- MODS	7	2	5
<b>Total</b>	<b>180</b>	<b>30</b>	<b>150</b>

#### 4-Teaching and Learning methods

- 4.1- Lectures.
- 4.2- Practical sessions.
- 4.3 - Discussion sessions.
- 4.4 - Case study (Problem solving).
- 4.5- Role play

#### 5- Student assessment methods

- 5.1- Final written exam to assess total knowledge and information's student's gain through the course.
- 5.2- Oral exam to assess knowledge and Intellectual skills gained through the course in addition to communication and transferable skills.
- 5.3- Practical exam (clinical osce exam) to assess practical skills students gain through the course.
- 5.4- Midterm exam to assess .....
- 5.5- Quizzes to assess student level periodically.

#### Assessment schedule

- 1. Written periodical assessment by the end of the 7<sup>th</sup> week, 10th week and 13<sup>th</sup> week.

2. Midterm assessment by the end of the 9<sup>th</sup> week.
3. Final practical exam (OSCE) by the end of the 14<sup>th</sup> week
4. Final written exam by the end of the 15<sup>th</sup> week
5. Final oral exam by the end of the 15<sup>th</sup> week.

### Weighting of assessments 100 marks

Mid-term examination	10%
Final – term examination	40%
Oral examination	10%
Practical examination	15%
Semester work	25%
Other Types of assessment	-- %
Total	100%

### 6- List of references

#### 6.1- Course notes

Complied course notes prepared by teaching staff

#### 6.2- Essential books (text books)

- 1- Gold man, Fontaine D, Carolyn N& Barbara M. (2009): Critical Care Nursing A Holistic. 9th ed. Philadelphia: Lippincott Williams& Willkerson.
- 2- Berman A, synder S, Jackson C, 2009, skills in clinical nursing, 6th edition . London.
- 3- perrin KO, 2009, understanding the essential of critical care nursing, first edition, London
- 4- Suzanne C. Smeltzer O, Brenda G. Bare et al : (2010), Brunner&suddarth's text book of medical surgical nursing, 10th ed . Philadelphia , lippincott Williams & Willkins,
- 5- Patricia Benner Patricia Hooper Kyriakidis Daphne Stannard 2011, Clinical Wisdom and Interventions in Acute and Critical Care
- 6- Melander S (2013). Case Studies in Critical Care Nursing: A Guide for Application and Review . 3rd Edition
- 7- Burns S: (2014), AACN Essentials of Critical Care Nursing, Third Edition.
- 8- Urden L, Stacy K, Lough M. 2017, Thelan's Critical Care Nursing: Diagnosis and Management, 5th Edition, Mosby.
- 9- Morton G., and Fontaine K., (2018): Critical care nursing a holistic approach, 11th edition, Wolters Kluwer,
- 10- Lewis LS, Dirksen SR, Heitkemper MM, (2019). Medical-Surgical Nursing: Assessment and Management of Clinical Problems, 9th Edition

- 11- Curtis,K Ramsden C, Fry M, Shaban RZ, Considine J( 2019) Emergency and Trauma Care for Nurses and Paramedics. 3rd Edition Elsevier

#### 6.3- Recommended books

1. ECG interpretation
2. American heart association for advanced CPR
3. Emergency case book
4. Emergency medicine manual
5. Medical emergency's and resuscitation

#### 6.4- Periodicals, Web sites . etc.

1. [www.americanheartassociation.com](http://www.americanheartassociation.com)
2. Egyptian Journal of Health Care. Ain Shams
3. Assuit Scientific Nursing Journal
4. Egyptian Nursing Journal
5. Egyptian Journal of Nursing and Health Sciences
6. Journal of Intensive and Critical Care,

#### Course Coordinator:

Dr/ Sanaa Saber Mohamed

*Dr/ Sanaa Saber Mohamed*

#### Head of Department:

Assist Prof/ Naglaa Gamal Eldine Abdelhafez

*د. نجلية جمال الدينة عبد الحافظ*

Date: 12/ 10/ 2022

*[Signature]*



**University:** Sohag  
**Faculty:** Nursing  
**Department of:** Critical Care & Emergency Nursing.

<b>Course name</b>	Critical Care & Emergency Nursing.
<b>Course code</b>	Nur. 208

### Intended Learning outcomes of course

Topic	Number of weeks	Knowledge and understanding	Intellectual skills	Professional skills	General skills
Patient stability assessment	1 week	a2,	b1,		d1-d3
Triage	1 week	a1		c2,c3	d4-d5
Respiratory system	3 week	a1, a2, a3, a4, a5 and a6	b1, b2, b3,	C1and c2,c3	d2-d3
Cardiovascular system	2 week	a1, a2, a3, a4, a5 and a6	b1, b2, b3,	C1and c2,c3	d1-d6
GI system	2 week	a1, a2, a3, a4, a5 and a6	b1, b2, b3,	C1and c2,c3	d1-d6
Renal system	2 week	a1, a2, a3, a4, a5 and a6	b1, b2, b3,	C1and c2,c3	d1-d6
Endocrine	2 week	a1, a2, a3, a4, a5 and a6	b1, b2, b3,	C1and c2,c3	d1-d6
Trauma	1 week	a2, a3, a4, a5 and a6	b1, b2, b3,	C1and c2,c3	d1-d6
Special situation	1 week	a2, a3, a4, a5	b1, b3,	c2,c3	d1-d6

**Course Coordinator:** Dr/ Sanaa Saber Mohamed

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**Head of Department:** Assist Prof/ Naglaa Gamal Eldine Abdelhafez

*12/1/2022*

**Date:** / /

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*[Signature]*

التاريخ : 2022/7/19

إصدار / تعديل (0/1) -

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