

Course Specification

Programme (s) on which the course is given: B.Sc. nursing	Major / minor: --
Department offering the programme: Faculty of nursing	Department offering the course: Departments of (Orthopedic surgery, Urology, Pediatric surgery, Plastic surgery, Neuro surgery). Faculty of medicine
Academic Year/Level: 2 nd year / 1 st semester	Date of Specification approval / /2022

A- Basic Information

Title: Surgery science	Code: Med 202
Credit Hours:-	Lecture: Theoretical 2hr/w- Practical 1hr/w
Tutorial:-	

B- Professional Information

1- Course Objective:

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

- 1- Gain the basic knowledge, facts, concepts and principles and the potential complications of different Surgical Specialties.
- 2- Plan,, implement and evaluate nursing care for patient adapting to commonly occurring health problem in Plastic, pediatric, Orthopedic, Urology & Neuro surgery.
- 3- Provide high quality nursing care in the perioperative period
- 4- Apply standard nursing care to different types of surgery.
- 5- To provide the student with an appropriate background covering the common and/ or important surgical emergencies.

2- Intended Learning outcomes of course (ILOs)

a- Knowledge and understanding:

- a1- A1-Illustrate increase intracranial tension.
- a2-Assess the patient with spinal cord lesions
- a3-Discuss hydrocephalous- spinal bifida-Craniostenosis.
- a4 Discuss the definition and degree of burn
- a5-know the types, depth and extend of the burn wound
- a6-Describe complications and treatment involving intensive care and surgery of burn
- a7-Discuss post-burn physiotherapy and rehabilitation of the burned patients.
- a8-Illustrate imperforate anus.
- a9-Assess the patient with Hirsch sprung disease
- a10-Discuss intussusception.
- a11-Discuss hypospadias.
- a12-Discuss post- operative complication.

- a14- Illustrate tracheostomy- intestinal fistula.
- a15-Discuss complication of blood transfusions
- a16- Identify principle of fracture treatment
- a17-Discuss management of patients with urologic disorders.

b- Intellectual skills:

- b1- Integrate knowledge and value for the basic concept to surgery.
- b2- Engage the critical thinking and decision making to analyze selected patient problem .
- b3- Collaborate with patient, their families' members, and health care professionals to plan and implement care

c- Professional and Practical skills:

- c1- Demonstrate physical assessment to the diagnosis of dysfunction.
- c2-Implement plan of care for patients disorders.

d- General and Transferable skills:

- d1- Participate actively in different educational activities
- d2-Communicate effectively with others
- d3-Handle information technology effectively
- d4-Lead and motivate teams effectively
- d5-Manage time and resources effectively

3-Course Content:

Topics	No. of Hours	Lecture	Lab.	Tutorial
1-Brain and Nerve Surgery	3	2	1	
<ul style="list-style-type: none"> • Increase intracranial tension • Spinal cord lesions 				-
<ul style="list-style-type: none"> • Hydrocephalous • Spinal bifida 	3	2	1	-
<ul style="list-style-type: none"> • Craniostenosis • Pre-post-operative nursing management for the patient with cystectomy. 	3	2	1	-
2- Plastic Surgery	3	2	1	
<ul style="list-style-type: none"> • Definition and degree of the burn • Types, depth and extend of the burn 				-
<ul style="list-style-type: none"> • Complications of burn • Post-burn physiotherapy and rehabilitation 	3	2	1	-
<ul style="list-style-type: none"> • Treatment(intensive and surgery care) 	3	2	1	-
3- Pediatric surgery	3	2	1	
<ul style="list-style-type: none"> • Imperforate anus • Suture materials and wound infections 				-
<ul style="list-style-type: none"> • Pre -post operative nursing management • Hirsch sprung disease 	3	2	1	-
<ul style="list-style-type: none"> • Intussusception. • Hypospadias 	3	2	1	-

• Post- operative complication	3	2	1	-
• Tracheostomy- intestinal fistula				
• Complication of blood transfusions	3	2	1	-
4- Orthopedic surgery	3	2	1	
• Principle of fracture treatment				
• Management of patient with paraplegic				-
• Bone infection	3	2	1	
• Bone tumors				
• Pathophysiology of renal failure				-
5- Urology surgery	3	2	1	
• Anatomy ,physiology of the urinary system				
• Infections disorders of the kidney				
• Pathophysiology for cancer bladder				-
	45	30	15	-

4-Teaching and Learning methods

- 4.1- Lectures
- 4.2-Data show
- 4.3- Group discussion

5- Student assessment methods

- 5.1- Mid-Term Examination to assess student knowledge about the course.
- 5.2- Final-term Examination to assess student knowledge about the course.
- 5.3- Oral Examination to assess student knowledge about the course.
- 5.4- Semester work to assess student abilities to gain information and collect data.

Assessment schedule


- 1- Assessment 1 midterm exam by the end of 11th Week
- 2- Assessment 2 final-term exam by the end of 15th Week
- 3- Assessment 3 oral exam by the end of 15th Week
- 4- Assessment 4 semester work during the term

Weighting of assessments 100 marks

Mid-term examination	-%
Final – term examination	70 %
Oral examination	15%
Practical examination	-%
Semester work	15 %
Other Types of assessment	-%
Total	100%

• Hypospadias					
• Post- operative complication					
• Tracheostomy- intestinal fistula	10 th	a12+a13	B2+B3	C1+C2	d2+d3
• Complication of blood transfusions	11 th	a15	b2+b3	C1+C2	d1+d2
4- Orthopedic surgery					
• Principle of fracture treatment					
• Management of patient with paraplegic	12 th	a16	b1+b2	C1+C2	d3+d4
• Bone infection					
• Bone tumors					
• Pathophysiology of renal failure	13 th	a16	b1+b3	C1+C2	d4+d5
5- Urology surgery					
• Anatomy ,physiology of the urinary system					
• Infections disorders of the kidney					
• Pathophysiology for cancer bladder	14 th	a17	b1+b2	C1+C2	d1+d2

Course Coordinator:



Head of Department:

Date: / /



التاريخ : 2022/7/19

إصدار / تعديل (0/1) -

نموذج رقم SP00QF110001