

(Fundamental of Nursing)
Course Catalogue
2022-2023

College	Erbil Polytechnic University	
Institute	Medical technical institute	
Department	Nursing Department	
Module Name	Fundamental of Nursing	
Module Code	FoN104	
Semester	Second	
ECTS	8	
Module type	Departmental (Core module)	
Weekly hours	6	
Weekly hours (Theory)	(2)hr Class	(3)hr Workload
Weekly hours (Practical)	(4)hr Class	(2)hr Workload
Lecturer (Theory)		
E-Mail	Dler.mahmood@epu.edu.iq	
Lecturer (Practical)	Avin Omer	
Email:		
Mobil NO.	+9647736959362	

Course Book

- **Course overview:**

This course introduces fundamental nursing principles that support future clinical practice. Principles include such things as comfort measures, assistance with daily living activities, positioning and medication administration, intrusive therapies and use of the nursing process with particular emphasis on the intervention component. The majority of the theoretical information is provided through an online environment. Concepts related to nursing fundamentals and nursing care is integrated throughout the course. The institute laboratory and clinical settings will afford practical experience in application of the principles and skills taught in the theory portion of this class. Students will be expected to demonstrate beginning competency in application of the nursing process.

- **Course objective:**

- At the end of this course the student will be able to:
- 1. Demonstrate fundamental nursing psychomotor skills in a safe manner.
- 2. Use written verbal, non-verbal and emerging technology methods to communicate effectively.
- 3. Apply how to perform vital sign, physical examination and drug administration s and learn about the procedure normal and abnormal findings.
- 4. Demonstrate beginning critical thinking decision making skills based on standards of practice, theory, and research.
- 5. Apply theoretical content to the nursing care of the client in a clinical setting.

- **Student's obligation**

The entire student must attend to the lecture, they have to prepare and accomplish all the tasks for this course throughout the academic year. If anyone could not finish his / her tasks or do not attend the lecture will be failed in this subject, otherwise the student have to provide a legal document to be exempt from the university role.

- **Forms of teaching**

lecture halls with data show equipment for lecture presentations, white board, overhead projector, posters

The Lecture will be delivered through variety of methods as the following:

1. All the lecture will available on the Edmodo
2. PowerPoint Presentation
3. White Board
4. Some Books
5. Group activity and peer working
6. Peer working
7. Seminar
8. Report

Written Work: Students are expected to prepare professional, polished written work. Written materials must be typed in the format required by the instructor.

Laboratory Skills: in laboratory classes, students learn techniques including:

1. Check vital signs which includes body temperature, blood pressure, respiration rate, pulse rate
2. Wound dressing
3. Catheterization
4. Injections such as intramuscular, intravenous, subcutaneous and intradermal
5. Physical examination

Requirement Degree of Accesses

At the end of course the student should obtain degree not less than 50% for theory and practices.

- **Assessment scheme**

6% Mid. Theory exam, 10% Mid. practical exam, 4% Quiz,
40% Assignments, 25% final practical, 15% final theory

- **Specific learning outcome:**

- At the end of this course the student will be able to:
- 1. Apply the nursing process at a beginning level of skill to interpret and manage human responses of clients to their actual or potential health problems.
- 2. Apply principles from applied science and interpersonal processes to nurse-client interactions.
- 3. Assess cultural, spiritual, and bio-psychosocial factors when arriving at nursing diagnoses and relevant interventions for individual clients.
- 4. Utilize evidence-based information derived from course related research findings in the application of fundamental nursing care.
- 5. Apply therapeutic communication and decision-making skills to involve the client in decision making regarding his/her healthcare.
- 6. Identify theoretical principles and critical behaviors of fundamental nursing.
- 7. Use critical thinking skills as a framework for clinical decision-making.
- 8. Demonstrate responsibility for own behavior and growth as an adult learner and a professional.
- 9. Demonstrate professional standards of moral, ethical, and legal conduct.

- **Course Reading List and References:**

Materials- Textbooks, required:

Berman, A., & Snyder, S. (2015). *Kozier and Erb's fundamentals of nursing* (10th Ed.). New Jersey: Pearson. (ISBN:978-0133974362).

Carpenito, Lynda (2017) *Handbook of Nursing Diagnosis* (15th Ed.). Philadelphia: Lippincott Williams & Wilkins (ISBN: 978-1496338396).

Chabner, D.E. (2015). *Medical terminology-a short course (with access code)*. (7th ed.) Maryland Heights, MO: Saunders. ISBN: 978-1455772674.

Hogan, M. (2013). *Nursing Fundamentals : Reviews and Rationales* (3rd Ed.). Boston: Pearson.

(ISBN: 978-0133083590)

Kee, J. L. (2014). *Laboratory and diagnostic tests with nursing implications* (9th. Ed.). Upper Saddle River, NJ: Pearson. (ISBN: 9780133139051).

Gray-Morris, D. (2014) *Calculate with confidence* (6th ed.) Mosby Elsevier. ISBN: 978-0323-08931-9.

Mosby's nursing video skills DVD and DVD-ROM (4th Ed). (2013). Basic, intermediate & advanced skills: Student version 3.0 [Computer software]. St. Louis: Mosby. (ISBN: 9780323088633).

Silvestri, Linda Anne (2014). *Comprehensive Review for the NCLEX-RN Examination* (6th Ed.). St. Louis: Saunders. (ISBN: 9781455727551).

Skidmore-Roth, L. (Consultant) *Mosby's drug guide for nurses* (most recent edition)
Mosby's nursing video skills DVD and DVD-ROM (4th Ed). (2013). Basic, intermediate & advanced skills: Student version 3.0 [Computer software]. St. Louis: Mosby. (ISBN: 9780323088633).

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Course topics (Theory)	Week	Learning Outcome
Wound suturing (different type of suturing)	1 st	Students will learn about technics and materials used for suturing
Administration of oxygen. Aims-methods by (Nasal catheter - Mask -Tend). Process - nursing notes and nursing care and management.	2 nd	SWL about different procedure of oxygenation and learn about different size and shapes of masks.
Nasogastric tube insertion (Gastric gavage and lavage)	3 rd	SWL about reason for NG tube insertion and the ration for this.
Urinary catheter insertion (nursing care for urinary catheter)	4 th	SWL about urinary catheterization and those problems that lead to insert catheter.
Medical diagnosis and Nursing diagnosis	5 th	SWL about different between nursing diagnosis and medical diagnosis. Different terms used for NS diagnosis
Patient care unit (Bed making)	6 th	SWL the basic information to organize and make patients bed for new day.
Patient hygiene Recording the height and weight of the patient	7 th	SWL about patient cleaning and different technics for saving personal health.
Position of patient	8 th	SWL about different procedures of patient positioning and requirement for having a proper position

Systemic procedure.1- Role of nurse during ear irrigation-definition of irrigation –aims – nursing note and ear instillation. 2- Eye irrigation and instillation of eyes.3- Nose irrigation and instillation of nose –definition causes-nursing notes	9 th	SWL about cleaning and washing different openings from human body such as eye, nose, ear.
Investigation and test. Collection of specimen (urine - feces - recreation)	10 th	SWL about safe technics for collecting specimen for investigation and given nursing care for tubes and contener.
Sterilization and disinfection. (definition). Types of sterilization. (Medical -surgical).	11 th	SWL about different technics and methods for sterilization and disinfectant, and differentiate sterile from disinfection.
Fluid, electrolyte, and acid-base balance	12 th	SWL about assessment for fluid volume and comparison between fluid intake and output, and function of the fluids.
Practical Topics (If there is any)	Week	Learning Outcome
Wound dressing, and suturing different technics of suturing.	1 st	SWL about differentiate between wounds and the cause of wound and equipment used for wound dressing.
Oxygen therapy (mask, nasal canula, tent,	2 nd	SWL about different procedures and technics of given oxygen and different type of mask and oxygen supply.
Nasogastric insertion and nursing care for NG tube	3 rd	SWL how to insert NG tube and selecting proper size and patient position.
Male and female urinary catheter insertion	4 th	SWL about introducing urinary catheter for male and female, and equipment required for this procedure.
Body mechanism and nursing posture during patient management	5 th	SWL about how nurses stand and sit during performing nursing care for patients in a correct way not to effect on their health and body function.
Bed making	6 th	SWL about organizing patients bed and provide an acceptable environment for patient's ward.
Eye irrigation, nose installation and irrigation	7 th	SWL about washing eyes and cleaning nose and installation of drops.
Ear irrigation and drop installation	8 th	SWL about washing and cleaning Ear and installation of drops.
Positioning patient (anatomical position- prone position. Left sims position fowlers position- lithotomy position equipment during physical examination. Change position and carry patient. Care of death patient	9 th	SWL about different sets and technics of positioning. Learn about specific position for specific physical examination.

Specimen collection (Urine, Stool, blood,.....)	10 th	SWL how to collect specimen and assess the specimen tube and specimen container.
Sterilization technics and disinfectant technics of medical and surgical instruments	11 th	SWL about different technics and methods for sterilization and disinfectant, and differentiate sterile from disinfection.
Different types of fluids and infusion procedure.	12 th	SWL about assessment for fluid volume and comparison between fluid intake and output, and function of the fluids.

- Examinations (question design):

Q1\\ Answer the following by true or false (25 mark)

1. Fever is a condition when the body temperature is under 35°C.
2. Implementation is a set of actions the nurse will implement to resolve nursing problems identified by assessment.

Q2\\ Answer the following by choosing the correct answer. (25 mark)

1. Is a clinical judgment by the professional nurse that identifies the client's responses to a health state, problem, or condition?
 - a. Medical diagnosis
 - b. Vital signs
 - c. Nursing diagnosis
2. Providing for a patient's hygiene is the most important thing not only for the patient's physical needs, it also contributes immeasurably to the patient's feeling of emotional well-being.
 - a. Principle of mouth hygiene
 - b. principle of patient hygiene
 - c. bed making

Q3\\ Filling the blanks with suitable word (25 mark)

1. Body temperature regulated by And
2. There are other two vital signs and
3. The rapid respiration is

Q4\\ connect the column A with B

No.	Colum A	No.	Colum B
1.	Single dose	A	Is the sum of all the interactions between an organism and the food it consumes
2.	As needed	B	Semisolid substance containing a medication.
3.	Enteric coated	C	Order for a medication to be given only once
4.	Physical activity	D	Occur when water is gained in excess of electrolyte result in low serum sodium level
5.	Over hydration	E	Bodily movement that enhances health
6.	Ointment	F	Occur when the water is lost from the body without significance loss of electrolyte
7.	Dehydration	G	Patient education materials to help in successful transition from the hospital
8.	Nutrition	H	Transfusion reaction
9.	Patient instructions	I	Product that is encased in a substance that dissolves in the intestine.
10.	Sepsis	J	Order for a medication to be given only when it is needed

Q5\ Enumerate the following

(25 mark)

1. Causes of fever
2. Assessing respiration
3. Heat production from the following

- **Extra notes:**

- this course book has been reviewed and founded that is written in a good scientific sequence well organized with professional manner

- **External Evaluator**

- This course book is well organized and it can be seen that created the professional environment for students to gain their knowledge and also gives brief and good information to students.