

(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	First	
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)		
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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
History of Nursing, Basic human needs	1 st	Students will learn about the history of nursing and path of development.
Nursing Process Basic daily care of the patient	2 nd	SWL about different steps of nursing process and client management.
Measurement of the vital signs	3 rd	SWL about vital signs and different element of it.
Fever (Pyrexia), Hypothermia, Respiration	4 th	SWL about normal range of fever and respiration, the procedures and technics of measurements.
Blood Pressure,	5 th	SWL about blood pressure and how to measure it.
Administration of medications	6 th	SWL the basic information about different route of drug administration
PHYSICAL ASSESSMENT	7 th	SWL how to perform physical examination, normal and abnormal findings.
DOCUMENTATION , Blood transfusion	8 th	SWL how to document information and client preparation for blood transfusion.

Wound	9 th	SWL how to assess wounds and how to manage.
First Aid	10 th	SWL how to start with first aid and the core of first aid for cardiac arrest.
First aid for Wounds	11 th	SWL, what they do with wound that has a bleeding.
Pre and Post-Operative Nursing Management	12 th	SWL about patient assessment and preparation pre and post operation.
Practical Topics (If there is any)	Week	Learning Outcome
Introduction to nursing laboratory Hospital Hand washing Applying / removing sterile gloves and Gowning	1 st	SWL about hospital and the basic procedure in hospital which is hand washing, and how to apply sterile gloves.
Measuring and recording body temperature Assessing the radial/femoral/apical pulse Assessing respiration	2 nd	SWL how to measure body temperature, pulse rate and respiration. And also assess normal findings and abnormal findings as well.
Measuring blood pressure	3 rd	SWL how to measure blood pressure and different sites of taking BP.
Physical examination Inspection Palpation	4 th	SWL how to perform different methods of physical examination, and what are the abnormal findings differentiate from normal one.
Physical examination Percussion Auscultation	5 th	SWL how to perform different methods of physical examination, and what are the abnormal findings differentiate from normal one.
Administration of Medications Intramuscular injection Intradermal injection	6 th	SWL about two route of injection which are IM and ID, and procedure and equipment for those technics.
Administration of Medications Subcutaneous injection Intravenous injection	7 th	SWL about two route of injection which are Sc and IV, and procedure and equipment for those technics.
Administration of Medications Cannulation Blood transfusion	8 th	SWL about the technics of canula insertion and client preparation for blood transfusion.
Performing Nebulizer Therapy	9 th	SWL about performing drug administration and how to use nebulizer.
Specimen collection	10 th	SWL how to collect specimen and assess the specimen tube and specimen contener.
Wound dressing	11 th	SWL how to clean wound and learn about equipment required for dressing.

Basic cardiac life support (CPR)	12 th	SWL about principles and every steps to perform CPR for cardiac arrest patient.
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- **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.