



**AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF HEALTH SCIENCES
FUNDAMENTALS OF NURSING
FUNDAMENTALS OF NURSING
FUNDAMENTALS OF NURSING DOCTORATE
COURSE INFORMATION FORM**

Course Title	Intravenous Therapy Nursing								
Course Code	HES612		Course Level		Third Cycle (Doctorate Degree)				
ECTS Credit	5	Workload	130 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Examine the basic characteristics of IV infusion therapy, initiation, maintenance and discontinuation of safety infusion therapy and planning evidence-based nursing practices related to complications								
Course Content	Concepts of Infusion Therapy, Drug Safety and Medication Practices in Infusion Therapy, Parenteral Solutions, Infusion Equipment, Vascular Access Device- Related Infections, Evidence-Based Practices For Initiation, Maintenance And Discontinuation Of Peripheral Infusion Therapy, Evidence-Based Practices For Initiation, Maintenance And Discontinuation Of Central Infusion Therapy, Complications of infusion therapy and Evidence Based Nursing Care, Parenteral Nutrition.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Individual Study								
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	60
Assignment	1	20

Recommended or Required Reading

1	Phillips DL, Gorski L. Manual of I.V. Therapeutics, evidence-based practice for infusion therapy. 6nd Ed. Philadelphia: F.A. Davis Company; 2014. p.545-561.
2	Naomi PO, Mary A, Lillian AB, E. Patchen D, Jeffrey G, Stephen OH, Pamela AL, Henry M, Leonard AM, Michele LP, Issam IR, Adrienne GR, Mark ER, Sanjay S, the Healthcare Infection Control Practices Advisory Committee (HICPAC) (Appendix 1). Guidelines for the prevention of intravascular catheter-related infections. published by Oxford University press on behalf of the infectious diseases society of America. Clinical Infectious Diseases 2011; 52(9): 1087-1099337(7662): 122-123.
3	McCallum L, Higgins D. Care of peripheral venous cannula sites. Nursing Times 2011; 108(34/35): 12-15.
4	Abadi P, Etemadi Su, Abed Saeedi Zh. Investigating role of mechanical and chemical factors in the creation of peripheral vein in flammation in hospitalization patients in hospital in Zahedan, Iran. Life Science Journal 2013; 10 (1s): 379-383.
5	Ahlqvist M, Berglund B, Nordstrom G, Klang B, Wirén M, Johansson E. A New Reliable tool (PVC ASSESS) for assessment of peripheral venous catheters. Journal of Evaluation in Clinical Practice 2010; 16: 1108-1115
6	Denat Y, Eşer İ. Yaşlı hastalarda periferik intravenöz kateterizasyon, Cumhuriyet Üniversitesi Hemşirelik Yüksekokulu Dergisi 2006; 10(1): 43-49.
7	Ahlqvist M, Berglund B, Nordstrom G, Klang B, Wirén M, Johansson E. A New Reliable tool (PVC ASSESS) for assessment of peripheral venous catheters. Journal of Evaluation in Clinical Practice 2010; 16: 1108-1115
8	Atabek Aşti T, Karadağ A. Hemşirelik esasları, hemşirelik bilim ve sanatı. İstanbul: Akademi Basın ve Yayıncılık. 2012. p.487-535.
9	Denat Y, Eşer İ. Yaşlı hastalarda periferik intravenöz kateterizasyon, Cumhuriyet Üniversitesi Hemşirelik Yüksekokulu Dergisi 2006; 10(1): 43-49.
10	Donald ML, Naomi PO. Guidelines for the prevention of intravascular catheter-related infections: recommendations relevant to interventional radiology. Journal of Vascular and Interventional Radiology 2003; 14: 355-358.
11	Dougherty L, Bravery K, Gabriel J, Kayley J, Malster M, Scales K, Inwood S, Standards for infusion therapy. The RCN IV Therapy Forum. 8nd Ed. London: Royal College of Nursing; 2010. p.60-81.
12	Infusion Nurses Society. Peripheral venous access devices. In: Alexander M, Corrigan A. (Eds) Infusion Nursing an Evidence-Based Approach. 3nd Ed. American: Saunders Elsevier; 2010. p.470-472.
13	Infusion Nurses Society. Infusion nursing standards of practice. Journal of Infusion Nursing 2011; 34(1): 57.
14	Ingram P, Lavery I. Peripheral intravenous therapy: key risks and implications for practice. Nursing Standard. Date of Acceptance 2005; 19(46): 55-64.
15	I.V. Essentials: Complications of peripheral IV therapy. Nursing Made Incredibly Easy 2008; 6(1): 14-18.

Week	Weekly Detailed Course Contents	
1	Theoretical	Concepts of Infusion Therapy
2	Theoretical	Drug Safety and Medication Practices in Infusion Therapy



3	Theoretical	Parenteral Solutions
4	Theoretical	Infusion Equipment
5	Theoretical	Vascular Access Device- Related Infections
6	Theoretical	Evidence-Based Practices For Initiation, Maintenance And Discontinuation Of Peripheral Infusion Therapy
7	Theoretical	Evidence-Based Practices For Initiation, Maintenance And Discontinuation Of Peripheral Infusion Therapy
8	Intermediate Exam	Midterm Exam
9	Theoretical	Evidence-Based Practices For Initiation, Maintenance And Discontinuation Of Central Infusion Therapy
10	Theoretical	Evidence-Based Practices For Initiation, Maintenance And Discontinuation Of Central Infusion Therapy
11	Theoretical	Complications of infusion therapy and Evidence Based Nursing Care
12	Theoretical	Complications of infusion therapy and Evidence Based Nursing Care
13	Theoretical	Parenteral Nutrition
14	Theoretical	Parenteral Nutrition
15	Theoretical	Parenteral Nutrition
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Seminar	2	8	2	20
Midterm Examination	1	24	2	26
Final Examination	1	40	2	42
Total Workload (Hours)				130
[Total Workload (Hours) / Weekly Workload (25)] = ECTS				5

Learning Outcomes

1	Define the basic concepts of the Infusion therapy
2	Understand safe infusion therapy methods
3	Define the characteristics of parenteral solutions
4	Choose the right application tools for safe infusion therapy
5	Plans evidence-based nursing practice in the infusion procedure
6	Plans evidence- based nursing care related to complication of infusion therapy

Programme Outcomes (Fundamentals of Nursing Doctorate)

1	To be able to develop philosophical aspect specific nursing,
2	To be able to have comprehensive knowledge about Fundamentals of Nursing,
3	To be able to conduct independent research at a level to provide evidence for nursing care according to the research and publication ethics policy
4	To be able to role model at systematic presentation of nursing care
5	To be able to manage the systematic nursing care
6	To be able to use the nursing models at nursing care
7	To be able to leadership in the nursing care and nursing education
8	To be able to adapt the care practices involved in the subject areas of nursing fundamentals in accordance with current developments
9	To be able to develop methods for the nursing care with the help of innovative approaches
10	To be able to adapt the current approaches in education and training into the education of Fundamentals of Nursing
11	To be able to develop methods in the education of Fundamentals of Nursing with the innovative approaches
12	To be able to have a foresight about the future within the context of the historical process of nursing
13	To be able to efficiently use the written and verbal Turkish communicational skills

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6
P2	5	5	5	5	5	5
P3	3	3	3	3	3	3
P4	2	2	2	5	5	5



P5	2	2	2	5	5	5
P6	2	2	2	2	2	2
P7	5	5	5	5	5	5
P8	5	5	5	5	5	5
P9	2	2	2	5	5	5
P10	4	4	3	5	5	5
P11	5	5	5	5	5	5
P13	2	2	2	2	2	2

