AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Dialysis I								
Course Code	DY207		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	4	Workload	100 *(Hours)*	Theory	4	Practice	0	Laboratory	0
Objectives of the Course	Dialysis 1 for the student aims to teach the basic concepts of hemodialysis and peritoneal dialysis, dialysis, and have knowledge of issues related to the dialysis process itself which will make the student reach the needed qualification.								
Course Content	Hemodialysis application, principles of hemodialysis and peritoneal dialysis in children . Hemodialysis equipment and tools and equipment used in hemodialysis. Complications and treatment approaches during hemodialysis . Physiological principles and the basic principles of peritoneal dialysis . Tools used in peritoneal dialysis and peritoneal dialysis solutions and instrumental (apd) propertie.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study								
Name of Lecturer(s)	Ins. Neşe ERAY								

Prerequisites & Co-requisities	
Co-requisitie	DY209

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Lecture Notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Indications for Dialysis, Acute Dialysis, Chronic Dialysis
2	Theoretical	Physiological Principles Of hemodialysis (HD), dialyzer, dialysis solution
3	Theoretical	Hemodialysis and Peritoneal Dialysis in Children
4	Theoretical	Materials and Tools used in HD and HD device
5	Theoretical	Routes of Entry and Vascular Complications in HD
6	Theoretical	Hemodialysis and anticoagulation
7	Theoretical	Treatment and complications during HD
8	Intermediate Exam	MIDTERM EXAM
9	Theoretical	HD adequacy and recirculation
10	Theoretical	Peritoneal dialysis (PD) and the basic principles of the Physiological Principles
11	Theoretical	Vehicle used in PD Materials, Solutions, and APD
12	Theoretical	Maintenance after implantation of PD catheters, surgical complications related to the installation of catheter, peritoneal catheter related complications
13	Theoretical	PD Team and Responsibilities, P.D. Patient Selection Criteria and Patient Education
14	Theoretical	PD in the Treatment of infectious and noninfectious complications
15	Theoretical	Eligibility Treatment of PD

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	4	56
Seminar	10	0	3	30
Midterm Examination	1	5	1	6

Final Examination	1	7	1	8
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Learn Haemodialysis as Theoretical and Practical Application
2	Learning the principles of hemodialysis and peritoneal dialysis in children
3	Learning hemodialysis device and Tools and Materials Used in hemodialysis
4	Learning Approaches and Treatment of complications during hemodialysis
5	Learning Principles and the Basic Principles of Physiologic Peritoneal Dialysis
6	Learning the properties of Peritoneal Dialysis Solutions, and tools, tool and equipment of peritoneal dialysis (APD)

Programme Outcomes *(Dialysis)*	
1	To be able to comprehend the duties and responsiblity of dialysis technicians. To be able to work in a team with members of other health professions.
2	To be able to acquire a general knowledge of human anatomy, physiology and biochemistry
3	To be able to gain knowledge of blood-borne infectious diseases, especially infectious diseases such as hepatitis and universal prevention methods
4	To be able to have knowledge of blood-borne infectious diseases, especially infectious diseases such as hepatitis and universal prevention methods
5	To be able to recognize hemodialysis machine,and have knowledge and skills will be used it during operation of dialysis
6	To be able to have the knowledge of application on peritoneal dialysis and skills be able to train patient on this.
7	To be able to acquire dialysate characteristics, have necessary skills on preparation and application
8	To be able to gain the knowledge and skills on the basic principles of water treatment, application methods, and control of purified water as a level of practitioner
9	To be able to comprehend the principles of patient care, complications during dialysis operation what patients may be encounter and perform necessary knowledge and skills to take necessary measures to protect patient from these complications.
10	To be able to gain knowledge and equipment related to educating on problems that the long-term dialysis patients may have.
11	To be able to understand periodic examinations during the follw up dialysis patients and recognize pathologies in the early period, and have the knowledge and skills to take necessary precautions in time
12	To be able to have the knowledge of the dialysis patients, physiological, social and psychological problems, and perform necessary support skills on these issues for the patient
13	In general to be able to comprehend the knowledge of, drugs, dosage, side effects, and toxic effects, routes of administration of drugs and drug use in patients with chronic renal failure
14	To be able to acquire a high level knowledge of fluid and electrolyte problems with general issues nephrology, acid-base balance disorder, nephrology and urology kidney disease, chronic and acute renal failure.
15	To be able to comprehend the methods of diagnosis and treatment of diseases of the system, and have knowledge of fighting and protecting from especially problems that can be seen in dialysis patients as level of practitioner and getting patient compliance.
16	To be able to have knowledge of statistics and research methods as a level of following the developments, monitoring and interpreting scientific publications.
17	To be able to gain the knowledge of foreign language as a level of communicating and following developments.
18	To be able to be willing to self-improvement as an individual committed to the principles and reforms of Atatürk and keeping on the some of the rules of social life, customs and traditions, depending on the interests of the country on their own interests as a member of society,

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
P4	5					
P5	5	5	5			
P6		5			5	5
P7	5		5			
P8	5		5			
P10				5		
P11				5		