ISTINYE UNIVERSITY

VOCATIONAL SCHOOL OF HEALTH SERVICES

DEPARTMENT OF DIALYSIS

COURSE DESCRIPTIONS

1st SEMESTER

DYL111- Dialysis I | 6 ECTS

Physiological principles of hemodialysis; Dialysis solutions; Water treatment system; H. D. Device; Indications for dialysis; Acute and chronic dialysis, H.D. application; Heparin administration, TMP adjustment; H. D. termination of the process; H. D. vein access passages for M. complications, H.D. MG. complications and treatments applied, P.D. Tools, materials and materials used with physiological principles; P. D. teams and duties, P.D. surgical complications related to catheter placement after implantation; Complications related to peritoneal catheters; P. D. patient selection criteria and patient education; Sufficiency in the treatment of peritoneal dialysis; Non-infectious complications and treatment in peritoneal dialysis; Characteristics and complications of hemodialysis in children; Peritoneal dialysis and complications in children.

DYL112- Nephrology | 6 ECTS

The diseases related to the urinary system, especially diagnosis and treatment methods of chronic renal failure, hemodialysis, peritoneal dialysis and kidney transplantation.

ANT111- Introduction To Anatomy | 3 ECTS

To give information about the anatomical structure and properties of human body.

BYK111- Biochemistry | 3 ECTS

The aim of this course is to acquaint the students with the concepts of molecules, biochemical and cellular mechanisms that are important in maintaining the homeostatic balance of the body, the basic properties of carbohydrate, lipid and amino acid metabolisms, how they reflect the biochemical components of various body fluids of pathological deviations in disease states.

TLT115- Medical Terminology | 3 ECTS

With this course, students will be able to understand the meanings, they will be able to easily understand and use these terms in their professional and everyday life.

MSE111- Occupational Ethics | 3 ECTS

This course will help students learn about the ethical concept and health professional ethics and find solutions to the problems they face in their professional life.

ATA111- Atatürk's Principles And History Of Turkish Revolution I | 2 ECTS

Teaching the military, political, economic and social events of the Ottoman Empire in the internal and external politics, the struggle for national liberation and the formation of the new Turkish Republic.

ING111- English I | 2 ECTS

Students will understand English effectively and use basic grammar of English Rules. Through this course, students will be able to interpret simple dialogues in English and use the new structures and words they have learned in their daily lives.

TURK111- Turkish Language I | 2 ECTS

To give information about language definition, role and importance in communication, verbal and written expression techniques in literary and scientific fields, writing rules and expression disorders.

2nd SEMESTER

DYL121- Usage, Maintenance And Applications Of Dialysis Equipment I | 10 ECTS

Dialysis System Equipment; Water treatment systems; Reversible osmosis systems, Dialysis equipment; Key features of the dialysis machine; Dialysis machine fluid circuit, Single needle dialysis systems, Hemofiltration and hemodialysis basic features, Na and UF profiles, Dialysis machine disinfection systems will be processed.

DYL122- Sterilization Principles And Methods | 5 ECTS

Asepsis, Antisepsis, Disinfection, knowing sterilization concepts, providing sterilization for operating room and instruments, stabilizing sterilization, Preventing infection in the operating room.

DYL123- Dialysis II | 6 ECTS

Slow and continuous H.D. Methods; Hemoperfusion and dialysis in plasmaphoresis-poisoning; Dry weight concept; The ResürkilasyoN; Reuse of dialyser in elderly patients; Cardiovascular problems (K.A.H. Peritkardite, Endocarditis); GIS Issues; Dialysis Amyloidosis Carpal Tunnel Syndrome; Osteoarthropathy in peripheral joints; Spondylarthropathies; Metabolic and endocrine problems, H.D. (cancer, acquired renal cystic disease, impotence, sexual dysfunction in women, fertility control and pregnancy dialysis, pulmonary edema and pleural effusion, tuberculosis).

FYZ121- Physiology | 3 ECTS

Introduction to human physiology, tissue and systems, homeostasis, Muscular System, Nervous System, Cardiovascular System, Blood and Immune system, Respiratory System, Sensory System, Digestive System, Urinary System, Endocrine System and Reproduction

ATA121- Atatürk's Principles And History Of Turkish Revolution II | 2 ECTS

This course examines Atatürk's principles and reforms and the political developments after the Ataturk with the establishment process of the Republic of Turkey.

ING121- English II | 2 ECTS

Students will be able to understand English, use it effectively and compare basic grammar rules of English. Through this course, students can comment on simple dialogues in English and use the new structures and words they have learned in their daily lives.

TURK121- Turkish Language II | 2 ECTS

Proper use of punctuation marks in writing, development of plain text writing skills, listening and reading skills are taught.

3rd SEMESTER

DYL211- Pharmacology | 4 ECTS

In this course, basic pharmacological concepts, specific mechanisms of drug action and the system will be discussed.

DYL212- Usage, Maintenance And Applications Of Dialysis Equipment II | 7 ECTS

To give information about how to make hemodialysis procedure from the technical side, To provide general information about standard systems and materials required to perform hemodialysis process. To gain knowledge and skill about standard systems and dialysis consumable materials in hemodialysis center.

DYL213- Infectious Diseases And Microbiology | 4 ECTS

Introduction to Infection Diseases, General Information; Digestive System Diseases, Food Poisoning (S.Aureus), Botulismus, Typhoid, Paratyphoid, Salmonella Gastroenteritidis, Shigella, Cholera;

Respiratory Diseases, Diphtheria, Mumps, Influenza, Whooping Cough, Bacterial pneumonias, Tuberculosis, Measles, Chickenpox; Infectious diseases transmitted by skin and mucous membranes Gonorrhea, Herpes Simplex Rabies, Tetenosis, Syphilis, Meningitis-Hepatitis-Aids, Parasitic Infections; Urinary System Infections; Catheter Infections; Hospital infections; Methods of combating infectious diseases.

TLT214- First Aid 3 ECTS

First aid entry and general characteristics, evaluation of basic life function, respiratory and circulatory system, first aid injury, bleeding in first aid, shock and first aid, burns and first aid, poisoning and first aid, fracture-dislocations and sprains first aid, basic life support.

Communication In Health | 3 ECTS

The aims of the course are to teach empathy, good and effective Speaking, public Relations in health services and social anthropology.

Manifest Of Istinye University I | 1 ECTS

After graduation of Istinye University students to increase their employability, social and life skills to help them discover and increase their skills. The Manifesto of Istinye University in different categories such as art, sports, career and so on. students participating in the activities are expected to report on the activities they attend. After the evaluation of the report prepared by the student center, the students are counted as past or repeated.

TLT215- Compulsory Internship | 5 ECTS

The professional knowledge gained at the school, students will receive internships during the thirty working days at the end of the 2nd semester to ensure that they acquire new practical and technical skills, to acquire business skills, and to communicate effectively with other disciplines and administrators.

STS211- Stress Management | 3 ECTS

To learn basic concepts about crisis and stress, what to do and how to do in crisis environment to teach that it should be managed, to be aware of stress control

4th SEMESTER

Peritoneal And Advanced Dialysis | 5 ECTS

Teaching dialysis methods

DYL221- Nutritional Principles In Dialysis Patients | 4 ECTS

It is aimed to learn the basic concepts of nutrition, nutrient groups and their properties, nutritional principles and nutritional requirements in various physiological periods, some health problems related to nutrition and nutritional treatments.

Mental Health In Dialysis Patients | 4 ECTS

Basic concepts related to mental health are health, illness, mental health, body image, hopeharmony, self-recognition, behavior, attitude, personality development and personality disorders, culture and psychiatry, death, chronic illness and family, organ donation and psychosocial approaches, psychiatric problems in dialysis patients, aims to provide information on home care topics

DYL223- Basic Professional Skills | 5 ECTS

Students are aimed to acquire various skills that they will use in the clinic.

DYL224- Patient Care Principles | 4 ECTS

Human and basic requirements; Health and disease concepts; Health team, safe hospital environment; Vital signs, fever, measurement and recording of respiration; Hot cold applications; Individual hygiene and care, hair, mouth and face care; Deep duties, bed side patient care, morning toilet, bed rest, decubitus formation and treatment, bedding, rotation of the patient in the bed; Catheters and probes used in uriner system applications will be processed.

DYL225- Rational Drug Use | 2 ECTS

Students; the most accurate, feasible and safe medicines or medicines for the preparations for use in combination with appropriate dosages and dosages.

ING221- Vocational English | 2 ECTS

To study the basic concepts of professional English in Health Management, improve understanding skills, contribute to writing and speaking skills.

History Of Art | 3 ECTS

What is art ?, Style, perception and representation, Periodization of civilization history, Formation and development processes of Turkish art before and after Anatolia, Art-architecture and culture in the first Turkish-Islamic states, Architecture and decoration program of Seljuk and Beylik period The process of formation and development of Turkish art during the period of Early Ottoman, Ottoman and Westernization, Internal and external influences on the formation of Turkish art, Art movements and the effects of these movements on architecture, The development process of Turkish ornamentation and handicrafts.

Manifest Of Istinye University II | 1 ECTS

After graduation of Istinye University students to increase their employability, social and life skills to help them discover and increase their skills. The Manifesto of Istinye University in different categories such as art, sports, career and so on. students participating in the activities are expected to report on the activities they attend. After the evaluation of the report prepared by the student center, the students are counted as past or repeated.