



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT 103		ANATOMİ			
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	TGT 103	ANATOMİ	2	2	3

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

The purpose of this course, students anatomy of the digestive tract (pharynx, peritoneum, etc.), the anatomy of the urinary system, reproductive system anatomy, neuroanatomy is to gain knowledge and skills.

Teaching Methods and Techniques:

Introduction to anatomy, general concepts in anatomy, general and special terms of anatomy. General information about the bones, Vertebral column and vertebrae, Thoracic, whole bones of the skull and the skull, upper limb, lower limb bones. General information about the joints, types of joints, joints of the skull, upper extremity, Culumna vertebral column, pelvis and lower limb. General and specific information of the muscular system. General information about the circulatory system, heart anatomy, heart, blood vessels and nerves, arterial, venous system, the lymphatic system, the circulatory system of regional topographic anatomy. General information about the respiratory system, nose, larynx, lungs, bronchi, pleura and mediastinum anatomy. Anatomy of the mouth, teeth and masticatory function, clinical and functional anatomy of the digestive organs. Kidneys, ureters, bladder, male and female genital organs functional and clinical anatomy of the topographic anatomy of the urogenital system. Regional Anatomy of the endocrine organs. Leather, smell, eyes, ears and taste organs anatomy. General information about the Nervous System

Prerequisites:**Course Coordinator:****Instructors:****Assistants:****Recommended Sources**

Textbook	:	Moore Clinically Oriented Anatomy Netter Atlas of Human Anatomy Snell Clinical Anatomy Snell Clinical Neuroanatomy Sobotta, Atlas of Human Ana
Resources	:	Moore Clinically Oriented Anatomy Netter Atlas of Human Anatomy Snell Clinical Anatomy Snell Clinical Neuroanatomy Sobotta, Atlas of Human Ana
Documents	:	İnsan Anatomisi Snell Moore Klinik Odaklı Anatomi Netter Atlas Klinik Anatomi Snell Klinik Nöroanatomisi Sobotta İnsan Anatomisi Atlası
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 50
Social Sciences	:	Field	: 50

Course Content

Week	Topics	Study Materials	Materials
1	Introduction to Anatomy		Moore Clinically Oriented Anatomy Nette
2	bones		Moore Clinically Oriented Anatomy Nette
3	muscles		Moore Clinically Oriented Anatomy Nette
4	Heart and circulatory system		Moore Clinically Oriented Anatomy Nette
5	Gastrointestinal tract 1		Moore Clinically Oriented Anatomy Nette
6	Gastrointestinal tract 2		Moore Clinically Oriented Anatomy Nette
7	Respiratory tract		Moore Clinically Oriented Anatomy Nette
8	Anatomical structures of the central nervous system		Anatomy Textbooks for College Dr. M. T
9	Anatomical structures of the peripheral nervous system		Anatomy Textbooks for College Dr. M. T
10	Digestive tract organs and structures of the digestive organs and glands help		Anatomy Textbooks for College Dr. M. T
11	Urogenital system and the male and female reproductive system structures		Anatomy Textbooks for College Dr. M. T

Course Learning Outcomes

No	Learning Outcomes
C01	One learns cases that may be encountered in clinical
C02	Establishes a relationship between two systems
C03	3 will have information about the system.
C04	Basic anatomy knowledge is imparted.
C05	Anatomical terminology is earned.

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	8	6	48
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	5	3	15
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			93
ECTS Credit of the Course			3

Course Contribution To Program												
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant												

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	4	3	4	3	3	4	3	4	5	3	4	3
C01	4	3	4	3	3	4	3	4	5	3	4	3
C02	4	3	4	3	3	4	3	4	5	3	4	3
C03	4	3	4	3	3	4	3	4	5	3	4	3
C04	4	3	4	3	3	4	3	4	5	3	4	3
C05	4	3	4	3	3	4	3	4	5	3	4	3



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

AİİT 101 History of Turkish Revolution & Atatürk -I					
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	AİİT 101	History of Turkish Revolution & Atatürk -I	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

The establishment of the Republic of Turkey as a secular and unitary state after the collapse of the Ottoman Empire; history of Turkish modernization experience in accordance with the establishment of the new state, the instruction of the Turkish Revolution pioneered by Kemal Atatürk and the Kemalist thought, as the meaning and statement of modernity and secularism in Turkey to young generations and let them figure out its significance.

Teaching Methods and Techniques:

Narration and discussion

Prerequisites:**Course Coordinator:****Instructors:**

Instructor Resul BABAOĞLU

Assistants:**Recommended Sources**

Textbook	:	
Resources	:	EROĞLU, Hamza, Türk İnkılâp Tarihi, 3. Baskı, Savaş Yayınevi, Ankara, 2008.,YALÇIN, Semih, Atatürk İlkeleri ve İnkılâp Tarihi, 1. Baskı, Berikan Ya
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:	100	Field	:	

Course Content

Week	Topics	Study Materials	Materials
1	Factors as the basis and motives of political modernization; the abolition of the sultanate; the establishment of the republic;		
2	The Turkish political climate between 1920-1938: The political parties in the Turkish Grand National Assembly: Republican		
3	The legal dimension of political modernization, the institutions of secular legal system, codifications that regulate the politic		
4	Revolution on social and health areas. Regulation of costume. The law of hat. The law of surname. Abolition of Dervish lod		
5	Revolutions on culture, education, language, history and alphabet. Revolution of education and its importance. Principles w		
6	Revolutions on economic sphere. Economical aims of Republican period. Economy congress in Izmir. Mixed economy projec		
7	Kemalism. Formative principles of new Turkey. National sovereignty. Nationalism		
8	Secularism, Republicanism, Populism		
9	Etatism, Revolutionary,		
10	Foreign policy of Atatürk era. General conjuncture of the Republican period. General status of Turkish foreign policy. Topics		
11	Relation with France and Hatay problem. Exchange of population with Greece. And resident question and its solution. Relat		
12	Policies against increasing war threat. Turkey's membership of League of Nations. Balkan and Sadabat Pacts. Monteu trea		
13	The characteristics of change in Turkish political life following the World War II: The establishment of multi-party system. I		
14	The end of the Cold War, Collapse of the Soviet Union, Revision of Germany, the breakup of Yugoslavia and its consequen		

Course Learning Outcomes

No	Learning Outcomes
C01	At the end of this course the student; Course boundaries, goals, problematic, concepts and after administration of the reading list; Traditional Ottoman social structure and process of change in this
C02	Sanad-i Alliance and the Reform Process; New Ottomans, I. and II. The Constitutional Period; Sharing of World War I and the Ottoman territory and Application of Armistice, the reactions against th
C03	Defense Law Society of the establishment, minorities' activities and Pest Society, Kemal Pasha's arrival in Samsun and in Anatolia The Congress of the (Erzurum, Sivas, Philadelphia and Balikesir Cor
C04	Movement led by Mustafa Kemal in Anatolia; Last Ottoman Parliament decisions taken by the National Pact, the occupation of Istanbul;
C05	Parliament Period; In this era of emerging internal revolts, Ontario Government Relations, the National Struggle Period of the Foreign Policy How is shaped Sevres Treaty and the importance of the

Program Learning Outcomes

No	Learning Outcome
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P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	15	15
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	15	15
Total Work Load			58
ECTS Credit of the Course			2

Course Contribution To Program													
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant													

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	5	3	3	3	3	4	4	3	3	3	3	4
C01	5	3	3	3	3	4	4	3	3	3	3	4
C02	5	3	3	3	3	4	4	3	3	3	3	4
C03	5	3	3	3	3	4	4	3	3	3	3	4
C04	5	3	3	3	3	4	4	3	3	3	3	4
C05	5	3	3	3	3	4	4	3	3	3	3	4



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SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

FİZ 101	FİZİK		L+P	Credit	ECTS
Semester	Course Code	Course Name			
1	FİZ 101	FİZİK	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

Learn basic physics concepts (Electric, Magnetism and mechanical), gain analytical point of view to solve the physical problems

Teaching Methods and Techniques:

To present the basic concepts and principles of mechanics, To prepare students with fundamental knowledge of physics and obtain skills necessary for higher physics courses. The properties of electrical charges, Electrical forces, Electrical potential, Capacitors and Dielectrics, Electromotor force, Direct current circuits, Magnetic field and magnetic force, Source of Magnetic Fields.

Prerequisites:

Course Coordinator:

Asist Prof.Dr. Arzu Ekinci

Instructors:

Asist Prof.Dr. Arzu Ekinci

Assistants:

Recommended Sources

Textbook	:	Sears ve Zemansky'inin Üniversite Fiziği 2- Young ve Freedman
Resources	:	Teorik anlatım ve problem çözümleri
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:	
Engineering	:	Science	:	100
Engineering Design	:	Health	:	
Social Sciences	:	Field	:	

Course Content

Week	Topics	Study Materials	Materials
1	Physics and Measurement , Motion in One Dimension		
2	Vectors, Coordinate systems		
3	Motion with Constant Acceleration		
4	Motion in Two Dimension		
5	Motion Laws		
6	Some Applications of Newton's Laws		
7	Work, powe, Energy		
8	Exam		
9	Electrical charge and Coulomb force		
10	Electric field, Electrical potential		
11	Capacitors and Insulators		
12	Current, Resistance		
13	Magnetic field		
14	Magnetic force and sources of magnetic field		

Course Learning Outcomes

No	Learning Outcomes
C01	Students will be able to apply basic laws of physics to formulate a solution to a problem
C02	Students will be able to draw valid conclusions from experimental data
C03	Understand the fundamental concepts and laws of electricity and magnetism
C04	Students will be able to estimate the magnitude of the solution to a problem and will be able to exclude wrong solutions based on such estimates by use of dimensional analysis
C05	Students will be able to collaborate and perform effectively in team activities

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
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P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
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P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



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SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT 105		FİZYOLOJİ			
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	TGT 105	FİZYOLOJİ	2	2	3

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

This lesson aims at teaching the basic system human body and its function to our students who have chosen health service as a career. Illnesses occur when the physiological function of the organism deviates. So health technicians who are responsible for maintaining this complicated machine and those who work as assistant health staff must recognise this machine. The goal of the lesson is to make them understand the engine of this complicated machine the human organism.

Teaching Methods and Techniques:

Cell and general physiology, neurophysiology, skeletal system physiology, cardiovascular system physiology, renal physiology, respiratory system physiology, gastrointestinal system physiology, endocrine system physiology functions of organ, hormone and nervous systems, homeostasis,

Prerequisites:

Course Coordinator:

Instructors:

Instructor Çimen SABAZ

Assistants:

Recommended Sources

Textbook	: 1.	William F. Ganong. (1994). Tıbbi Fizyoloji. İstanbul: Barış Kitabevi.
Resources	: 2.	Arthur C. Guyton, M.D. (1989). Tıbbi Fizyoloji. İstanbul: Nobel Tıp Kitabevi
Documents	: 3.	Prof. Dr. Nuran Gökhan, Prof. Dr. Hayrünissa Çavuşoğlu, Prof. Dr. Abidin Kayserilioğlu. (1989). İnsan Fizyolojisi. İstanbul: Nobel Tıp Kitabevi
Assignments	: 4.	Prof. Dr. Neşe Tuncel. (1991). Fizyoloji. Eskişehir : Anadolu Üniversitesi Yayınları.
Exams	: 5.	Doç. Dr. Şehvar Çağlayan. (1995). Yaşam Bilimi Fizyoloji. İstanbul: Panel Matbaacılık

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content

Week	Topics	Study Materials	Materials
1	1-General and Cellular Basis of Medical Physiology 2-Excitable Tissue: Nerve information	1.	William F. Ganong. (19)
2	1-Excitable Tissue: Muscle info 2-Functions of the Nervous System information	1.	William F. Ganong. (19)
3	Seeing, Hearing and Balance, Smell and Taste Profile	1.	William F. Ganong. (19)
4	Endocrinology, Metabolism and Reproductive Functions	1.	William F. Ganong. (19)
5	Gastrointestinal Function	1.	William F. Ganong. (19)
6	Circulation in the body fluids circulating	1.	William F. Ganong. (19)
7	Origin of the heartbeat and Electrical Activity of the Heart	1.	William F. Ganong. (19)
8	Heart as a Pump	1.	William F. Ganong. (19)
9	Cardiovascular Regulatory Mechanisms	1.	William F. Ganong. (19)
10	Circulation in the Special Section	1.	William F. Ganong. (19)
11	Respiratory: Lung Functions	1.	William F. Ganong. (19)
12	Interstitial lung and Gas Transport	1.	William F. Ganong. (19)
13	Respiratory Regulation	1.	William F. Ganong. (19)
14	Come on Renal Function and Urine	1.	William F. Ganong. (19)

Course Learning Outcomes

No	Learning Outcomes
C01	Explain the working mechanism of the body
C02	Of organs and systems as a whole, the balance in the work of the definitions.
C03	Systems and terminology associated with these systems, which tells the
C04	Organisms of how the internal balance in the works.
C05	take responsibility in health care as a basic application

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
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P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	10	6	60
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			90
ECTS Credit of the Course			3

Course Contribution To Program												
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant												

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	3	3	3	3	3	4	4	4	5	4	4	4
C01	3	3	3	3	3	4	4	4	5	4	4	4
C02	3	3	3	3	3	4	4	4	5	4	4	4
C03	3	3	3	3	3	4	4	4	5	4	4	4
C04	3	3	3	3	3	4	4	4	5	4	4	4
C05	3	3	3	3	3	4	4	4	5	4	4	4



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SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

KİM 101		KİMYA			
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	KİM 101	KİMYA	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

General Chemistry-I The main target of this course is to make students comprehend the basic methodology of chemistry and the logic that will bring students from qualitative concepts to quantitative results

Teaching Methods and Techniques:

1: Lecture, 2: Question-Answer, 3: Discussion, 4: Drilland Practice

Prerequisites:

Course Coordinator:

Instructors:

Associate Prof.Dr. Cafer SAKA

Assistants:

Recommended Sources

Textbook	:	1] Petrucci,R.H., Harwood, W.S., Herring, F.G., (8. Baskıdan Çeviri Uyar, T., Aksoy, S.), Palme Yayıncılık, Ankara, 2005
Resources	:	[2] Erdik E., Sarıkaya Y., Temel Üniversite Kimyası, Gazi Kitabevi, Ankara, 2005
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	:
Social Sciences	:	Field	:

Course Content

Week	Topics	Study Materials	Materials
1	Matter qualities and measurement		
2	Atoms and atom theories		
3	Chemical compounds		
4	Chemical reactions		
5	Liquid solution reactions		
6	Gases		
7	Thermochemistry		
8	Electron structure of the atom		
9	Midterm Exam		
10	Periodic table and properties of the atoms		
11	Chemical Bond I, General concepts		
12	Chemical Bond II, Bond theorems		
13	Liquids, solids and Intermolecular forces		
14	Solutions and Physical properties		
15	Solutions and Physical properties		

Course Learning Outcomes

No	Learning Outcomes
C01	1) define all the theories and laws of chemistry and structure of atom
C02	2) define the properties of molecules, bond theories, intermolecular interactions and bond properties
C03	3) define the stoichiometry of chemical reaction, energy, and heat properties
C04	4) explain fundamental laws and theories of chemistry and mechanisms of chemical phenomena
C05	5) apply the chemical problems to the laws of chemistry and interpret them
C06	6) compare and solve the way of occurrence of chemical phenomena and compare the properties of them

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
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P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

YD 101 MESLEKİ YABANCI DİL-I					
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	YD 101	MESLEKİ YABANCI DİL-I	2	2	3

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

1. To Develop students' reading, writing, speaking and listening skills in professional English 2. To develop students' communicate in English in professional life.

Teaching Methods and Techniques:

Communicative language teaching and task based approach

Prerequisites:

Course Coordinator:

Instructors:

Instructor RECEP ÖZTAŞ

Assistants:

Recommended Sources

Textbook	:	Scientific researches and examples of up-to-date news
Resources	:	
Documents	:	
Assignments	:	bilimsel arařtırmalar ve güncel haberlerden örnekler
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 80
Social Sciences	:	Field	: 20

Course Content

Week	Topics	Study Materials	Materials
1	Working at a hospital		
2	Review of Simple present tense		
3	Some wards and departments in a hospital		
4	Parts of the body		
5	Review of have got and has got		
6	Commands and polite requests		
7	Saying where the pain is		
8	Review of possessive adjectives		
9	medical staff on the wards		
10	Review of simple past tense and past continuous tense		
11	Sterile procedures		
12	Review of passive voice (simple present)		
13	Some instruments used in surgery and dressing		
14	Disinfectants and antiseptics		

Course Learning Outcomes

No Learning Outcomes

C01	The student will know the professional terms in addition to the general English usage.
C02	The student will be able to use English efficiently in occasions of his/her profession.

Program Learning Outcomes

No Learning Outcome

P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			30
ECTS Credit of the Course			1

Course Contribution To Program
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

SEC 103 SEÇMELİ DERS(KİMYA SAĞLIK)					
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	SEC 103	SEÇMELİ DERS(KİMYA SAĞLIK)	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Seçmeli

Goals:

Importance of Water For People and the environment; Mechanisms of Toxic Effects of Some Chemical; Some of the Environmental Impacts of Chemicals, Protection Methods; Serum contents and effects; pH and buffer solutions are aimed to be familiar with the subject.

Teaching Methods and Techniques:

Atoms and Matter, Water, and serum solution, Toxic Substances, pH and buffer solutions, Minerals, Natural Chemistry, Food and Chemical Energy, Energy Resources

Prerequisites:

Course Coordinator:

Prof.Dr. SALİH İLHAN

Instructors:

Prof.Dr. SALİH İLHAN

Assistants:

Prof.Dr. SALİH İLHAN

Recommended Sources

Textbook	:	Medicinal Chemistry, David A. Williams PhD (Editor)
Resources	:	
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	: 50
Engineering Design	:	Health	: 50
Social Sciences	:	Field	:

Course Content

Week	Topics	Study Materials	Materials
1	1. Atoms and Matter		
2	2. Atoms and Matter		
3	3. Atoms and Matter		
4	4. Water		
5	5. Water		
6	6. Solution and Serum		
7	7. Midterm exam		
8	8. Toxic Substances,		
9	9. pH and buffer solutions.		
10	10. Minerals,		
11	11. Biological Chemistry,		
12	12. Food and Chemical Energy		
13	13. Energy Resources		
14	Overall Rating		

Course Learning Outcomes

No	Learning Outcomes
C01	Importance of Water For People and the environment; Mechanisms of Toxic Effects of Some Chemical; Some of the Environmental Impacts of Chemicals, Protection Methods; Serum contents and effects

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical main
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT 101		TIBBİ GÖRÜNTÜLEME-I					
Semester	Course Code	Course Name	L+P	Credit	ECTS		
1	TGT 101	TIBBİ GÖRÜNTÜLEME-I	8	5	8		

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

Yes

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

The aim of this program is to raise assistants for the usage of imaging modalities in diagnostic and therapeutical usage.

Teaching Methods and Techniques:

Course Content In this lecture, students are informed about how to prepare the patient for the radiologic study and how to approach to the patient. Head, face, trunk, vertebrae, lung, extremity radiographic positions are explained in detail.

Prerequisites:

Course Coordinator:

Instructors:

Assistants:

Recommended Sources

Textbook	:	Kaya T. Temel Radyoloji Tekniği Bursa Güneş&Nobel, 1997. Oğuz M. Röntgen Fiziğine Giriş: Diagnostik I, Adana Ç.Ü. Basımevi 1992
Resources	:	
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:	
Engineering	:	Science	:	
Engineering Design	:	Health	:	
Social Sciences	:	Field	:	100

Course Content

Week	Topics	Study Materials	Materials
1	Preparations for the radiologic study	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
2	Plans and positions	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
3	Head radiographies	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
4	Face radiographies	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
5	Cervical vertebra radiographies	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
6	Thoracic and lumbar vertebra radiographies	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
7	Thoracic and lumbar vertebra radiographies	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
8	Abdominal radiographies	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
9	Thoracic radiographies	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
10	Thoracic radiographies	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
11	Upper extremity radiographies 1	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
12	Upper extremity radiographies 2	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
13	Lower extremity radiographies 1	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I
14	Lower extremity radiographies 2	Presentation	Kaya T. Temel Radyoloji Tekniği Bursa I

Course Learning Outcomes

No	Learning Outcomes
C01	Preparing the patient for the radiographic study is known.
C02	Different radiographic positions are known.
C03	Performing the radiographic studies are known.
C04	The aim of radiographic positions are known

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of.
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT 107 TİBBİ VE RADYOLOJİK TERMİNOLOJİ					
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	TGT 107	TİBBİ VE RADYOLOJİK TERMİNOLOJİ	2	2	3

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

The objective of this course is to help students to ascertain the necessary knowledge, skills and qualifications to discern, pronounce, write and use the medical terms in Radiology and medical terminology with regard to the Locomotor, Respiration, Gastrointestinal, Santral Nervous, Circulatory, Urogenital and other organ systems.

Teaching Methods and Techniques:

write and use the medical terms in Radiology and medical terminology with regard to the Locomotor, Respiration, Gastrointestinal, Santral Nervous, Circulatory, Urogenital and other organ systems.

Prerequisites:**Course Coordinator:****Instructors:****Assistants:****Recommended Sources**

Textbook	:	İnsan anatomisi Beta yayinevi,2000 İSTANBUL
Resources	:	Sağlık dili Berday yayinevi 2008 ,İSTANBUL?? İnsan anatomisi Beta yayinevi,2000 İSTANBUL ?Tıbbi Terminoloji Hatipoğlu basimevi 2005,ANKAI
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 50
Social Sciences	:	Field	: 50

Course Content

Week	Topics	Study Materials	Materials
1	Medical terms with regard to the Human Anatomy	Presentation	Human Anatomy Beta Publishing House,
2	Medical terms with regard to the Human Anatomy	Presentation	Human Anatomy Beta Publishing House,
3	Medical terms with regard to the Locomotor system, Nervous system and Psychiatric Diseases	Presentation	Human Anatomy Beta Publishing House,
4	Medical terms with regard to the Locomotor system, Nervous system and Psychiatric Diseases	Presentation	Human Anatomy Beta Publishing House,
5	Medical terms with regard to the Respiratory and Digestive Systems	Presentation	Human Anatomy Beta Publishing House,
6	Medical terms with regard to the Respiratory and Digestive Systems	Presentation	Human Anatomy Beta Publishing House,
7	Medical terms with regard to the Cardiovascular System, Blood and Blood Producing Organs	Presentation	Human Anatomy Beta Publishing House,
8	Medical terms with regard to the Cardiovascular System, Blood and Blood Producing Organs	Presentation	Human Anatomy Beta Publishing House,
9	Medical terms with regard to the Urinary, Genital and Endocrine Systems	Presentation	Human Anatomy Beta Publishing House,
10	Medical terms with regard to the Urinary, Genital and Endocrine Systems	Presentation	Human Anatomy Beta Publishing House,
11	Medical terms with regard to the Eye, Ear-Nose-Troat and Skin	Presentation	Human Anatomy Beta Publishing House,
12	Medical terms with regard to the Radiography, Ultrasound, Mammography, Fluoroscopy, Contrast Substances, Angiography	Presentation	Human Anatomy Beta Publishing House,
13	Medical terms with regard to the Radiography, Ultrasound, Mammography, Fluoroscopy, Contrast Substances, Angiography	Presentation	Human Anatomy Beta Publishing House,
14	Medical terms with regard to the Radiography, Ultrasound, Mammography, Fluoroscopy, Contrast Substances, Angiography	Presentation	Human Anatomy Beta Publishing House,

Course Learning Outcomes

No	Learning Outcomes
C01	Descern, pronounce, write and use medical terms with regard to the Human Anatomy
C02	Descern, pronounce, write and use medical terms with regard to the Locomotor, nervous, respiratory, Digestive and Cardiovascular systems, Blood and Blood producing organs and Psychiatric Disea
C03	Descern, pronounce, write and use medical terms with regard to the Urogenital, Endocrine Systems, Eye, Ear-Nose and Troat and Skin
C04	Descern, pronounce, write and use medical terms with regard to the Medical Imaging techniques

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledoe of radiological anatomy related to the radiological examinations to be done in the field of medical imagining
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imagining Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imagining Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledqe gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imagining Techniques.
P04	Act proper to the quality management and processes by beina in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	8	4	32
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	7	4	28
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			90
ECTS Credit of the Course			3

Course Contribution To Program												
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant												

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	4	3	2	2	3	5	3	4	5	2	2	3
C01	4	3	2	2	3	5	3	4	5	2	2	3
C02	4	3	2	2	3	5	3	4	5	2	2	3
C03	4	3	2	2	3	5	3	4	5	2	2	3
C04	4	3	2	2	3	5	3	4	5	2	2	3



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TUR 101		TÜRK DİLİ-I			
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	TUR 101	TÜRK DİLİ-I	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

The aim of this lesson is; to emphasize the place and importance of the Turkish language in world languages to present the historical development and current situation of the Turkish language; to introduce students; to general properties and structure of the Turkish language; to develop students analytic, scientific thinking and communication skills.

Teaching Methods and Techniques:

Description and features of language, languages of the world, Position of Turkish among other languages, historical development of Turkish, development of western Turkish, Atatürk's ideas and projects on Turkish, pronunciation and punctuation, language policies.

Prerequisites:

Course Coordinator:

Instructors:

Instructor Yılmaz AKDEMİR

Assistants:

Recommended Sources

Textbook	:	
Resources	:	Tuncer Gülensoy, Türkçe El Kitabı, Akçağ Yayınları, Ankara 2000 Zeynep Korkmaz vd. Türk Dili ve Kompozisyon Bilgileri, YÖK, Ankara 2000.
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:	30	Field	:	70

Course Content

Week	Topics	Study Materials	Materials
1	Aims and objectives of the course, content, materials and introduction of the semester curriculum.		
2	What is language? What are the features of language?		
3	Theories of the birth of languages and language types.		
4	Language-culture relation		
5	World languages and the place of Turkish among them.		
6	Historic phases of the Turkish Language		
7	What is grammar? Subjects and chapters of grammar.		
8	What is grammar? Subjects and chapters of grammar.		
9	Classification of sounds in Turkish, sound features of Turkish		
10	Sound actions, syllable structures and intonation in Turkish		
11	Inflectional and derivational suffixes in Turkish		
12	Parts of speech (nouns, adjectives, adverbs, pronouns)		
13	Parts of speech (verbs, conjunctions, prepositions, exclamations)		
14	Sentence elements and types		

Course Learning Outcomes

No	Learning Outcomes
C01	Using Turkish accurately and well.
C02	Developing language understanding by pointing out the language culture-society connection
C03	Examining the current place and condition of the Turkish language among world languages and spread areas.
C04	Application of the features, functions and rules of the Turkish Language with examples.
C05	Using the Turkish versions of the professional and scientific field terms.
C06	Analyzing the Turkish Language
C07	Scientific contribution to the Turkish Language and Literature.
C08	Comparison of the past and the present of the Turkish Language.

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
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P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
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P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	2	28
Assignments	0	0	0
Presentation	1	2	2
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			60
ECTS Credit of the Course			2

Course Contribution To Program													
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant													

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	2	2	3	3	3	3	3	3	3	3	3	3
C01	1	2	3	2	5	4	3	1	2	3	3	3
C02	1	2	5	3	1	3	1	2	3	1	3	3
C03	1	2	3	4	5	2	1	2	3	1	3	3
C04	3	1	2	3	1	3	2	1	3	1	3	3
C05	3	1	3	3	1	3	3	3	3	1	3	3
C06	2	1	2	3	1	2	3	1	2	3	3	3
C07	1	2	3	2	1	1	2	3	2	1	3	3
C08	2	3	3	2	1	2	2	3	2	5	3	3



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

AİİT102 ATATÜRK İLKELERİ VE İNKILAP TARİHİ-II					
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	AİİT102	ATATÜRK İLKELERİ VE İNKILAP TARİHİ-II	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

In this course, students from the change in Europe and the beginning of the 19th century Ottoman, our national liberation struggle in this process and will learn about the formation and dynamics of the new Republic of Turkey and the period will be examined with all the details.

Teaching Methods and Techniques:

Prerequisites:

Course Coordinator:

Instructors:

Instructor RESUL BABAĞLU

Assistants:

Recommended Sources

Textbook	:	
Resources	:	
Documents	:	Fahir Armaoğlu "20.yy siyasi tarihi"alkım yay-2000 Halil İnalçık "Atatürk Devrimleri" İstanbul matbaası 1964 İsmet Giritli "Kemalist devrim ve İdeoloj
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:	100	Field	:	

Course Content

Week	Topics	Study Materials	Materials
1	The aim of the course plan and presentation of source informed about the processing		
2	The Enlightenment, the Industrial Revolution and the rise of capitalism in its scope, and the effects of the French Revolution		
3	The emergence of the nation-state ideology and doctrine consists in the world, however, they are reflections of the Ottoman		
4	Reform movements in the Ottoman Empire, was influenced from Europe after the 1876 Constitution and constitutional period		
5	2.Mesrutiyet political policies and global stability policy after the 20th century, the political situation in Europe and the pre-1		
6	WW1, Kemal's war policy and the National Resistance		
7	National coverage of the liberation war, internal political dynamics and approaches (collaborative approach to performance		
8	Period until the establishment of the Republic, preparation, of the social classes, challenges and opposition (collaborative a		
9	Evaluation and finalization of performance studies with 7th and cooperative learning methods in 8.hafta collected and proc		
10	The foundations of the Republican regime, Atatürk's principles, front view and back to the 1923-1930 period, the nation-st		
11	approach, the foundations of the modern Turkish education system (Ministry of Education Organization, Institute of villages		
12	Atatürk's cultural and artistic approach of 1923-1938, the impact of culture and art in the formation of modern Turkey (192		
13	1930-1945 Introduction to the general structure of Turkey, the transition to a multiparty system and the beginning of Work		

Course Learning Outcomes

No	Learning Outcomes
C01	-19.v Turkey in the 20th century social, cultural and information on economic and political developments.
C02	The formation of modern Turkey can understand the revolution, understand the structural properties, Atatürk's principles and öğrenirsöy.

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

YD102 MESLEKİ YABANCI DİL-II					
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	YD102	MESLEKİ YABANCI DİL-II	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

1. To Develop students' reading, writing, speaking and listening skills in professional English 2. To develop students' communicate in English in professional life.

Teaching Methods and Techniques:

Communicative language teaching and task based approach

Prerequisites:

Course Coordinator:

Instructors:

Instructor Recep ÖZTAŞ

Assistants:

Recommended Sources

Textbook	:	"Understanding English" (Assoc. Prof. Dr. Gencer ELKILIÇ), reading books
Resources	:	
Documents	:	ders kitabı, okuma kitapları, yaprak testler
Assignments	:	kelime ezberleme, sunum hazırlama
Exams	:	kelime ezberleme, sunum hazırlama

Course Category

Mathematics and Basic Sciences	:		Education	:	50
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:	50	Field	:	

Course Content

Week	Topics	Study Materials	Materials
1	Conditional sentences	To prepare visual presentations	Different soft and hardcopies.
2	relative clauses	Different soft and hardcopies	To prepare visual presentations
3	Phrasal verbs	Different soft and hardcopies	To prepare visual presentations
4	Noun clauses	To prepare visual presentations	Different soft and hardcopies
5	Noun clauses (2)	To prepare visual presentations	Different soft and hardcopies
6	Adverbial clauses	To prepare visual presentations	Different soft and hardcopies
7	Reported speeches	To prepare visual presentations	Different soft and hardcopies
8	the practical use of the learnt topics in Professional settings (context-created)	To prepare visual presentations	Different soft and hardcopies
9	the practical use of the learnt topics in Professional settings (context-created)	To prepare visual presentations	Different soft and hardcopies
10	the practical use of the learnt topics in Professional settings (context-created)	To prepare visual presentations	Different soft and hardcopies
11	the practical use of the learnt topics in Professional settings (context-created)	To prepare visual presentations	Different soft and hardcopies
12	the practical use of the learnt topics in Professional settings (context-created)	To prepare visual presentations	Different soft and hardcopies
13	the practical use of the learnt topics in Professional settings (context-created)	To prepare visual presentations	Different soft and hardcopies
14	General overviews and student feedbacks about the course and process	Questionnaire preparation to able to get	No documents

Course Learning Outcomes

No	Learning Outcomes
C01	the ability of using conditionals in a correct way
C02	the ability of using relative clauses in a correct way
C03	the ability of using phrasal verbs in a correct way
C04	the ability of using noun clauses effectively (1)
C05	the ability of noun clauses effectively (2)
C06	the ability of building adverbial sentences
C07	the ability of building reported speech sentences
C08	the ability of practical uses of the learned topic in professional settings (context-created)
C09	the ability of practical uses of the learned topic in professional settings (context-created)
C10	the ability of practical uses of the learned topic in professional settings (context-created)
C11	the ability of practical uses of the learned topic in professional settings (context-created)
C12	the ability of practical uses of the learned topic in professional settings (context-created)
C13	the ability of practical uses of the learned topic in professional settings (context-created)
C14	to learn to what extent the course was successful in conveying the knowledge to the students, and students' feedbacks

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system, act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT106 RADYASYON GÜVENLİĞİ VE RADYASYONDAN KORUNMA					
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	TGT106	RADYASYON GÜVENLİĞİ VE RADYASYONDAN KORUNMA	3	3	4

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

Use and learn the various methods used to protect the patient from excessive radiation

Teaching Methods and Techniques:

The aim of the course is to identify the sources of ionizing radiation, to explain the nature of ionizing radiation, to explain the biologic response to ionizing radiation, to describe the units used to measure radiation exposure, to describe the several devices used to detect and measure exposure to ionizing radiation, to explain the permissible limits of exposure for occupational and non-occupational workers, to discuss the various methods used to protect the patient from excessive radiation and to discuss the various methods used to protect an occupational worker from excessive radiation

Prerequisites:**Course Coordinator:****Instructors:****Assistants:****Recommended Sources**

Textbook	:	Kaya T. (1996). Temel radyoloji tekniği
Resources	:	1. Adler AM, Carlton RR. (1994). Introduction to radiography and patient care
Documents	:	2. Tuncel E. (1995). Klinik radyoloji
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	:
Social Sciences	:	Field	:

Course Content

Week	Topics	Study Materials	Materials
1	The aim of the course is to identify the sources of ionizing radiation,	Presentation	TEMEL DERS KİTABI Kaya T. (1996).
2	to explain the nature of ionizing radiation	Presentation	TEMEL DERS KİTABI Kaya T. (1996).
3	to explain the biologic response to ionizing radiation	Presentation	TEMEL DERS KİTABI Kaya T. (1996).
4	to describe the units used to measure radiation exposure	Presentation	Kaya T. (1996). Temel radyoloji tekniği
5	to describe the several devices used to detect and measure exposure to ionizing radiation	Presentation	Kaya T. (1996). Temel radyoloji tekniği
6	To describe the several devices used to detect and measure exposure to ionizing radiation	Sunum	Kaya T. (1996). Temel radyoloji tekniği
7	To explain the permissible limits of exposure for occupational and non-occupational workers	Sunum	Kaya T. (1996). Temel radyoloji tekniği
8	To explain the permissible limits of exposure for occupational and non-occupational workers	Sunum	Kaya T. (1996). Temel radyoloji tekniği
9	To discuss the various methods used	Sunum	Kaya T. (1996). Temel radyoloji tekniği
10	to protect the patient from excessive radiation and to discuss the various methods used	Sunum	Kaya T. (1996). Temel radyoloji tekniği
11	to protect the patient from excessive radiation and to discuss the various methods used	Sunum	Kaya T. (1996). Temel radyoloji tekniği
12	to protect the patient from excessive radiation and to discuss the various methods used	Sunum	Kaya T. (1996). Temel radyoloji tekniği
13	To protect an occupational worker from excessive radiation	Sunum	Kaya T. (1996). Temel radyoloji tekniği
14	To protect an occupational worker from excessive radiation	Sunum	Kaya T. (1996). Temel radyoloji tekniği

Course Learning Outcomes**No Learning Outcomes**

C01	Use and learn the various methods used to protect the patient from excessive radiation
C02	Use and learn the various methods used to protect an occupational worker from excessive radiation

Program Learning Outcomes**No Learning Outcome**

P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT104 RADYOLOJİK ANATOMİ					
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	TGT104	RADYOLOJİK ANATOMİ	2	2	3

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

Course objective The course aims to teach the functional and clinical properties of human anatomy and its use and correspondence in radiology

Teaching Methods and Techniques:

Human anatomy, its use and correspondence in radiology

Prerequisites:

Course Coordinator:

Instructors:

Instructor Asım ÖZBEK

Assistants:

Recommended Sources

Textbook	:	Kaya T. Temel Radyoloji Tekniği. Bursa, Güneş & Nobel, 1997. .Oğuz M. Röntgen Fiziğine Giriş: Diagnostik I. Adana, ÇÜ Basımevi, 1
Resources	:	
Documents	:	. Bushong SC. Radiologic Science for Technologist: Physics, Biology and Protection. 3rd ed. St. Louis, The C. V.
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	: 20
Engineering Design	:	Health	: 50
Social Sciences	:	Field	: 30

Course Content

Week	Topics	Study Materials	Materials
1	Radiologic anatomy of musculo sketeal system 1		
2	Radiologic anatomy of musculo sketeal system 2		
3	Radiologic anatomy of musculo sketeal system 1		
4	Radiologic anatomy of musculo sketeal system 2		
5	Radiologic anatomy of thorax 1		
6	Radiologic anatomy of thorax 2		
7	Radiologic anatomy of circulatuar system 1		
8	Radiologic anatomy of circulatuar system 2		
9	Radiologic anatomy of circulatuar system 1		
10	Radiologic anatomy of circulatuar system 2		
11	Radiologic anatomy of circulatuar system 1		
12	Radiologic anatomy of circulatuar system 2		
13	Radiologic anatomy of gasro intestinal system 1		
14	Radiologic anatomy of circulatuar system 2		

Course Learning Outcomes

No	Learning Outcomes
C01	Identifies the medical language terminology.
C02	Explains morphology of the body systems.
C03	Explains functions of the body systems.
C04	Has the ability to use his/her knowledge on a radiological technique.

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
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P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	2	28
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	14	2	28
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			86
ECTS Credit of the Course			3

Course Contribution To Program												
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant												

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	4	4	4	4	4	4	4	5	5	5	4	4
C01	4	4	4	3	4	4	4	5	5	5	4	4
C02	4	4	4	3	4	4	4	5	5	5	4	4
C03	4	4	4	3	4	4	4	5	5	5	4	4
C04	4	4	4	3	4	4	4	5	5	5	4	4



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT108 RÖNTGEN FİZİĞİ					
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	TGT108	RÖNTGEN FİZİĞİ	2	2	3

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

At the end of this course, students will have general information about radiology and radiological diagnosis.

Teaching Methods and Techniques:

Introduction to radiology, alpha, beta and gamma radiatio, x ray production, x-ray characteristics, x ray quality, x rays interact with matter, Ultrasonography physics, Development of BT equipment, Principles of BT, basis of MRI technique, advanced MRI applications

Prerequisites:**Course Coordinator:**

Asist Prof.Dr. Arzu Ekinci

Instructors:

Asist Prof.Dr. Arzu Ekinci

Assistants:**Recommended Sources**

Textbook	:	Chen MYM, Pope TL, Ott DJ. A LANGE Medical Book Basic Radiology. 2thEd. McGraw Hill Medical, 2011.
Resources	:	Question-answer, presentation, narration, discussion, problem-solving.
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:		Field	:	

Course Content

Week	Topics	Study Materials	Materials
1	Introduction to radiology		
2	alpha, beta and gamma radiatio		
3	x ray production		
4	x- rays tube, x-ray characteristics		
5	x ray quality, x rays interact with matter		
6	beam limiting devices		
7	Scope of Diagnostic Imaging		
8	Exam		
9	Ultrasonography physics		
10	Development of BT equipment		
11	Principles of BT		
12	basis of MRI technique		
13	basis of MRI sequences		
14	advanced MRI applications		

Course Learning Outcomes

No	Learning Outcomes
C01	the student is be able to know radyodiagnostic imaging technics
C02	the student can design follow up program according to imaging results
C03	the student can apply follow up program according to imaging results
C04	the student can associate radidiagnosical datas with pathologies

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
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P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of.
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declarino the results related to the field of Medical Imaaining Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	2	28
Assignments	6	3	18
Presentation	0	0	0
Mid-terms	1	2	2
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	2	2
Total Work Load			78
ECTS Credit of the Course			3

Course Contribution To Program												
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant												

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	4	4	4	4	4	4	4	4	4	5	4	5
C01	4	4	4	4	5	4	5	5	4	5	4	4
C02	4	4	5	4	5	4	4	4	4	5	5	4
C03	5	5	4	4	4	4	4	4	4	5	4	5
C04	3	5	4	4	4	4	4	4	5	4	4	5



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

SEC102		SEÇMELİ DERS (ÇEVRE KORUMA)			
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	SEC102	SEÇMELİ DERS (ÇEVRE KORUMA)	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu Seçmeli

Goals:

Students will learn about water chemistry and the basic methods of analysis of water and wastewater composition and data analysis.

Teaching Methods and Techniques:

The chemistry of water, water pollution and purification of water, the chemistry of atmosphere, ozon layer and pollution of atmosphere, nitrogen oxides, hydrocarbones and halocarbones, carbon monoxide, sulphur oxides, particules, determination of the quality of weather, inversion of temperature, greenhouse event, water, geochemistry and soil chemistry, biological degradation, detergents, toxic metal, oil and environmet pollution, pestisides, solid wastes and wrestling with them.

Prerequisites:

Course Coordinator:

Prof.Dr. Salih İLHAN

Instructors:

Prof.Dr. Salih İLHAN

Assistants:

Recommended Sources

Textbook	:	•	Gündüz, T., Çevre Sorunları, Gazi Kitabevi, 1998
Resources	:	•	Spiro, T.G., Stigliani, W.M., Chemistry of the Environment Prentice Hall, New Jersey, 1996
Documents	:	•	Gündüz, T., Çevre Sorunları, Gazi Kitabevi, 1998
Assignments	:		
Exams	:		

Course Category

Mathematics and Basic Sciences	:	Education	:	
Engineering	:	Science	:	60
Engineering Design	:	Health	:	40
Social Sciences	:	Field	:	

Course Content

Week	Topics	Study Materials	Materials
1	Introduction to Environmental Protection Course		
2	Atmosphere		
3	The Greenhouse Effect		
4	Acid rains		
5	Air Pollutants		
6	Sources of Inorganic Pollutants Gases and Air Pollution		
7	Mid-Term Exam		
8	Water, Water Pollution, Determination of Water Quality		
9	Water Treatment		
10	Soil Pollution		
11	Radiation and Nuclear Pollution		
12	Radioactivity		
13	Toxic Substances		
14	Final Exam		

Course Learning Outcomes

No	Learning Outcomes
C01	Students will learn fundamentals of environmental chemistry and differences from general chemistry Students will learn some drinking water problems (contamination etc) and their solves Students

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	2	28
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	2	2
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	2	2
Total Work Load			60
ECTS Credit of the Course			2

Course Contribution To Program												
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant												

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	4	4	3	3	3	4	4	3	3	4	3	3
C01	4	4	3	3	3	4	4	3	3	4	3	3



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT110		TEMEL SAĞLIK					
Semester	Course Code	Course Name	L+P	Credit	ECTS		
2	TGT110	TEMEL SAĞLIK	2	2	3		

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

In this course, Health, Disease, Human and Requirements disease aetiology, epidemiology, health services, the basic principles for the disease; systems and diseases; sterilization disinfection, antiseptis, asepsis, nosocomial infections, (PR) definition, routes of transmission, prevention, health care workers health and medical waste management related knowledge, skills and competences is to gain.

Teaching Methods and Techniques:

Concepts of health and disease Disease Causes, incidence, disease-related health care services in terms of basic principles. Sterilization-disinfection system diseases, asepsis and antiseptis Hospital infections, (Hi) the definition, transmission routes, prevention of health workers during medical waste management and shock Shock kinds of things to do.

Prerequisites:

Course Coordinator:

Instructors:

Assistants:

Recommended Sources

Textbook	:	Temel Sağlık Bilgisi Ders Kitabı1-2 (Hem.Esas:uz.Fatma ÖZHAN)
Resources	:	Temel Sağlık Bilgisi Ders Kitabı1-2 (Hem.Esas:uz.Fatma ÖZHAN)
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	100
Social Sciences	:		Field	:	

Course Content

Week	Topics	Study Materials	Materials
1	Concepts of health and illness	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
2	Disease Causes, incidence, disease-related health care services in terms of the basic	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
3	System diseases	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
4	System diseases	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
5	Disinfection, sterilization, asepsis and antiseptis	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
6	Disinfection, sterilization, asepsis and antiseptis	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
7	Nosocomial infections (HI) definition, transmission routes, prevention	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
8	Nosocomial infections (HI) definition, transmission routes, prevention	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
9	Health of health care workers	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
10	Health of health care workers	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
11	Medical waste management	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
12	Medical waste management	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
13	The kinds of things to do during shock and shock	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her
14	The kinds of things to do during shock and shock	Presentation	Temel Sağlık Bilgisi Ders Kitabı1-2 (Her

Course Learning Outcomes

No Learning Outcomes

C01	Knowledge of the basic principles associated with the disease.
C02	Knowledge of the systems and diseases
C03	Knowledgeable about the rights of employees
C04	Knowledgeable about the management of medical waste

Program Learning Outcomes

No Learning Outcome

P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of.
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT102		TIBBİ GÖRÜNTÜLEME-II					
Semester	Course Code	Course Name	L+P	Credit	ECTS		
2	TGT102	TIBBİ GÖRÜNTÜLEME-II	8	6	9		

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

Yes

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

The aim of this program is to raise assistants for the usage of imaging modalities in diagnostic and therapeutical usage

Teaching Methods and Techniques:

Course Content Provide the ability to use fluoroscopy device for different anatomical regions and angiographic procedures, to inform them about mammography equipment and mammographic examinations.

Prerequisites:

Course Coordinator:

Instructors:

Assistants:

Recommended Sources

Textbook	:	Temel Radyoloji Tekniği (Prof.Dr.Tamer Kaya) Tıbbi Görüntüleme Fiziği (Prof.Dr.Orhan Oyar, Prof.Dr.Ufuk K.Gülsoy)
Resources	:	
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	100
Social Sciences	:		Field	:	

Course Content

Week	Topics	Study Materials	Materials
1	Fluoroscopic Imaging Contrast Agents in fluoroscopic Review	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
2	Digestive System Fluoroscopic Imaging	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
3	Biliary System Fluoroscopic Imaging	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
4	Urogenital System Fluoroscopic Imaging	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
5	Mammography Equipment, Mammographic Reviews	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
6	Angiography Equipment	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
7	Coronary Angiography	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
8	Coronary Angiography	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
9	Serebral Anjiografi, Stend Uygulamalarında Anjiografi	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
10	Angiography abdominal Applications	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
11	Angiography of Thoracic Practice 1	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
12	Angiography of Thoracic Practice 2	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
13	Angiography in Upper Extremity Applications	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer
14	Angiography in Lower Extremity Applications	Presentation	Temel Radyoloji Tekniği (Prof.Dr.Tamer

Course Learning Outcomes

No	Learning Outcomes
C01	About the principles of fluoroscopy device operation are learned
C02	Mamografik çekim teknikleri hakkında bilgi sahibi olurlar.
C03	Mamografi cihazının çalışma prensipleri hakkında bilgi sahibi olurlar.
C04	Anjiografik incelemeler hakkında bilgi sahibi olurlar.

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of.
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TUR102		TÜRK DİLİ-II			
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	TUR102	TÜRK DİLİ-II	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

The subject of the course is to expose the value of Turkish language by giving information about development of Turkish language, to gain national language awareness, to develop reading and writing skills, to compare and contrast Turkish language to other languages, to compare and contrast language policy of developed countries to Turkish language policy, to gain skill of speaking.

Teaching Methods and Techniques:

Description and features of language, languages of the world, Position of Turkish among other languages, historical development of Turkish, development of western Turkish, Atatürk's ideas and projects on Turkish, pronunciation and punctuation, language policies.

Prerequisites:

Course Coordinator:

Instructors:

Assistants:

Recommended Sources

Textbook	:	
Resources	:	Tuncer Gülensoy, Türkçe El Kitabı, Akçağ Yayınları, Ankara 2000 Zeynep Korkmaz vd. Türk Dili ve Kompozisyon Bilgileri, YÖK, Ankara 2000.
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	:
Social Sciences	: 30	Field	: 70

Course Content

Week	Topics	Study Materials	Materials
1	Aims and objectives of the course, content, materials and introduction of the semester curriculum.		
2	Spelling and application		
3	Punctuation and application		
4	What is expression? Feature of expression		
5	Types, formats and application of expression		
6	Common mistakes in Turkish expression and correction		
7	General information on composition		
8	General information on composition		
9	Plan for writing composition and its application		
10	Written composition types (Emotion-oriented writings, event-oriented writings		
11	Written composition types (Thought-oriented writings, analysis writings and other writing types)		
12	Oral composition types (Discussion-oriented oral composition types)		
13	Oral composition types (Interview-oriented oral composition types)		
14	Developing accurate and good speaking skills and related applications by means of selected texts from Turkish and world li		

Course Learning Outcomes

No	Learning Outcomes
C01	Oral and written expression of emotions, thoughts, knowledge and experiences.
C02	Using the Turkish versions of the professional and scientific field terms.
C03	Improving the vocabulary
C04	Applying writing styles
C05	Application of oral and written texts
C06	Reading and comprehending Turkish science, art and culture publications
C07	Comparing selected texts from Turkish and world literature and history of thought.
C08	Producing Turkish texts in science, art and culture

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
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P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of.
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	2	28
Assignments	0	0	0
Presentation	1	2	2
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			60
ECTS Credit of the Course			2

Course Contribution To Program
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT209 MESLEKİ UYGULAMA-I					
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	TGT209	MESLEKİ UYGULAMA-I	8	4	6

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

Yes

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

Course objective To inform them about imaging techniques and principles of studies ultrasound devices and bone densitometry equipment commonly used in the health field.

Teaching Methods and Techniques:

To be informed about the majority of the body of ultrasound examinations and bone densitometry.

Prerequisites:

Course Coordinator:

SİNAN SITKI

Instructors:

Instructor SALİH ÇENGEL

Assistants:

Recommended Sources

Textbook	:	Textbooks, References and/or Other Materials: Main resource: Aiding resources: Basic Radiology Technique, Prof. Dr. Tamer KAYA Introduction to
Resources	:	
Documents	:	Ana kaynak: -Yardımcı kaynaklar: Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA Radyolojiye Giriş, Prof. Dr. Ercan TUNCEL
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	30
Engineering Design	:		Health	:	30
Social Sciences	:		Field	:	40

Course Content

Week	Topics	Study Materials	Materials
1	Introduction of ultrasound	Applications of ultrasound	Textbooks, References and/or Other Ma
2	Introduction of ultrasound	Application of ultrasound 2	Textbooks, References and/or Other Ma
3	Doppler ultrasonography	Doppler ultrasonography applications	Textbooks, References and/or Other Ma
5	Doppler ultrasonography	Doppler ultrasonography applications	Textbooks, References and/or Other Ma
6	Abdominal ultrasonography	Abdominal ultrasonography applications	Textbooks, References and/or Other Ma
7	Pelvic ultrasound	Pelvic ultrasound applications	Textbooks, References and/or Other Ma
8	Mammography apparatus	Introduction of mammography apparatus	Textbooks, References and/or Other Ma
9	Mammography examinations	Observing mammography examinations	Textbooks, References and/or Other Ma
10	Dexa scanning methods	Observing Dexa scanning methods	Textbooks, References and/or Other Ma
11	Dexa scanning methods	Observing Dexa scanning methods	Textbooks, References and/or Other Ma
12	Surface tissue ultrasonography	Surface tissue ultrasonography	Textbooks, References and/or Other Ma
13	MRI and CT	Application of MRI and CT	Textbooks, References and/or Other Ma
14	MR and CT	Application of MRI and CT	Textbooks, References and/or Other Ma

Recommended Optional Programme Components

TGT202 TIBBİ GÖRÜNTÜLEME-IV

TGT 101 TIBBİ GÖRÜNTÜLEME-I

Course Learning Outcomes

No	Learning Outcomes
C01	About physics of ultrasound are learned.
C02	About thoracic sonografik examination methods are learned.
C03	To have knowledge about the methods of sonographic examination of the abdomen and pelvis
C04	To have knowledge about the methods of sonographic examination of superficial tissues (skin, subcutaneous, testis, thyroid and breast, etc.)

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
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P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT203		NÜKLEER TIP				
Semester	Course Code	Course Name	L+P	Credit	ECTS	
1	TGT203	NÜKLEER TIP	3	3	5	

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

To learn Nuclear Medicine principles To learn radiation safety To learn different thypes of scintigraphies and positions of imaging

Teaching Methods and Techniques:

In this lecture, srudents are informed about how to prapare the patient for the scintigraphic studies and how to approach to the patient. Various positions and scintigraphic techniques are explained in detail.

Prerequisites:

Course Coordinator:

Instructors:

Assistants:

Recommended Sources

Textbook	:	Nükleer tıp.E.L.Ergün, T.Aras.Hacettepe üniversitesi yayınları, 2007.
Resources	:	Nükleer tıp ders kitabı. Cerrahpaşa tıp fakültesi.
Documents	:	Nükleer tıp.E.L.Ergün, T.Aras.Hacettepe üniversitesi yayınları, 2007.
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:	50	Science	:	
Engineering Design	:		Health	:	50
Social Sciences	:		Field	:	

Course Content

Week	Topics	Study Materials	Materials
1	Nuclear medicine and clinical applications		
2	interaction of radiation with the matter and radiation units		
3	adiation detection, gamma camera and its properties, quality control-1		
4	adiation detection, gamma camera and its properties, quality control-2		
5	radiation protection principles		
6	biological effects of the radiation		
7	bone mineral dencity measurement		
8	Exam		
9	Imaging procedures in nuclear medicine		
10	positron emision tomography		
11	practical nuclear medicine application in endocrine system		
12	practical nuclear medicine applications in cardiovascular and pulmonary system		
13	practical nuclear medicine applications in skeletal system		
14	other nuclear medicine applications		

Course Learning Outcomes

No	Learning Outcomes
C01	Preparing the patient for the nuclear medicine studies is known.
C02	Differentimaging positions and techniques are known.
C03	The aim of scintigraphic studies are known
C04	biological effects of the radiation and Protection principles are known
C05	scientific basis of the gamma camera and PET/CT device, and their usage in scanning are known

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledgae of radiological anatomy related to the radiological examinations to be done in the field of medical imagining
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imagining Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledgae of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
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P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declarino the results related to the field of Medical Imagining Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT205 RADYOTERAPİ					
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	TGT205	RADYOTERAPİ	3	3	5

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

Students should learn the principles of simulation techniques.

Teaching Methods and Techniques:

The treatment preparations and treatment techniques, radiotherapy machines are described in detail.

Prerequisites:**Course Coordinator:****Instructors:****Assistants:****Recommended Sources**

Textbook	:	Gunderson and Tepper. 2012. Clinical Radiation Oncology.3th edition. Elsevier
Resources	:	YARDIMCI KAYNAKLAR Temel Radyasyon Onkolojisi. Doç Dr Murat Beyzadeoğlu.2008.
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:		Field	:	100

Course Content

Week	Topics	Study Materials	Materials
1	simulation techniques	Presentation	Gunderson and Tepper. 2012. Clinical R
2	Konventional Simulator machine	Presentation	Gunderson and Tepper. 2012. Clinical R
3	Computerized tomography simulator	Presentation	Gunderson and Tepper. 2012. Clinical R
4	Co60 teletherapy machine	Presentation	Gunderson and Tepper. 2012. Clinical R
5	Lineer acceleratör	Presentation	Gunderson and Tepper. 2012. Clinical R
6	Interactions of ionizing radiation	Presentation	Gunderson and Tepper. 2012. Clinical R
7	Dose calculations	Presentation	Gunderson and Tepper. 2012. Clinical R
8	Treatment planning: isodose curves	Presentation	Gunderson and Tepper. 2012. Clinical R
9	Treatment planning: isodose curves	Presentation	Gunderson and Tepper. 2012. Clinical R
10	International dose limits of radiation	Presentation	Gunderson and Tepper. 2012. Clinical R
11	Primary and secondary barriers	Presentation	Gunderson and Tepper. 2012. Clinical R
12	Acute side effects of total body irradiation	Presentation	Gunderson and Tepper. 2012. Clinical R
13	Acute side effects of total body irradiation	Presentation	Gunderson and Tepper. 2012. Clinical R
14	Hereditary and carcinogenic effects of radiation	Presentation	Gunderson and Tepper. 2012. Clinical R

Course Learning Outcomes

No	Learning Outcomes
C01	At the basic level in the field has a theoretical and practical knowledge.
C02	Uses the basic theoretical and practical knowledge about the field.
C03	Using a task given to have the basic knowledge about the area is carried out independently.
C04	The basic level of knowledge and skills acquired in the field with a critical approach
C05	She informs the persons and institutions using the basic knowledge and skills that have issues related to the field; explain the ideas and solutions to problems in writing and orally.

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of.
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT207 SAĞLIK YÖNETİMİ					
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	TGT207	SAĞLIK YÖNETİMİ	2	2	3

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

Knowledge about management and health services management

Teaching Methods and Techniques:

Management, management process, concept of health and health determinants, health care institutions include management issues

Prerequisites:

Course Coordinator:

Instructors:

Instructor HALİLALLAH SEYİDOĞLU

Assistants:

Recommended Sources

Textbook	: 1-Health Management : Ayşeül KAPTANOĞLU, Beşir Kitabevi,İstanbul,
Resources	: 2- Management of Hospital and Health Institutions : Kavuncubaşı Şahin, Selami Yıldırım Siyasal Kitabevi Ankara.
Documents	: Management of Hospital and Health Institutions : Kavuncubaşı Şahin, Selami Yıldırım Siyasal Kitabevi Ankara.
Assignments	: Sağlık yönetimi : Ayşeül KAPTANOĞLU, Beşir Kitabevi,İstanbul
Exams	:

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 20
Social Sciences	: 40	Field	: 40

Course Content

Week	Topics	Study Materials	Materials
1	The concept of management and management features	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
2	The historical development of management	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
3	Characteristics of the definition of health and health services	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
4	The purposes of health care services	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
5	Health care system and the external environment relationships	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
6	Health care institutions and the changing environment	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
7	Quiz	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
8	As an organization, health care institutions	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
9	Hospitals	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
10	The organizational structure of hospitals	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
11	Strategic management and strategic management process	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
12	Strategic management of health services	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
13	quality management	The subject is studied from the different1-Health Management : Ayşeül KAPTA	
14	Quality management in health care	The subject is studied from the different1-Health Management : Ayşeül KAPTA	

Course Learning Outcomes

No Learning Outcomes

C01	Explain the definition of health and health care value judgments
C02	Explain that separates the properties of other goods and services in the health services
C03	Describes the supply and demand of health care services
C04	Defines the objectives of health services
C05	Evaluate the development of the health system in Turkey

Program Learning Outcomes

No Learning Outcome

P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of.
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	9	3	27
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	16	1	16
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	18	1	18
Total Work Load			89
ECTS Credit of the Course			3

Course Contribution To Program												
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant												

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	4	4	4	4	4	4	4	4	4	4	4	4
C01	4	4	4	4	4	4	4	4	4	4	4	4
C02	5	5	5	5	5	5	3	3	5	5	4	5
C03	5	4	4	4	5	5	5	5	4	5	4	4
C04	5	4	4	4	4	4	4	4	4	4	4	4
C05	4	4	4	5	5	4	4	5	4	4	4	4



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

SEC201 SEÇMELİ DERS (MESLEK ETİĞİ)					
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	SEC201	SEÇMELİ DERS (MESLEK ETİĞİ)	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu Seçmeli

Goals:

This course aims to teach the competencies related to professional ethics are.

Teaching Methods and Techniques:

Prerequisites:

Course Coordinator:

Instructors:

Instructor HALİLALLAH SEYİDOĞLU

Assistants:

Recommended Sources

Textbook	:	Nuran Öztürk, Blackwell Publishers, Demeter, Professional Ethics, distinguished Publications, Ankara, 2011
Resources	:	Mahmut Arslan, Business and Professional Ethics, Political Publications, Ankara, 2012
Documents	:	
Assignments	:	Öztürk Nuran, Çakıroğlu Demet, Meslek Etiği, Seçkin Yayınları, Ankara,2011 Arslan Mahmut, İş ve Meslek Ahlakı,Siyasal Kitabevi, Ankara,2012
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	50
Social Sciences	:	50	Field	:	

Course Content

Week	Topics	Study Materials	Materials
1	Etik ve ahlak kavramlarını incelemek		Nuran Öztürk, Blackwell Publishers, Derr
2	Examine the concepts of ethics and morality		Nuran Öztürk, Blackwell Publishers, Derr
3	Examine the ethical system		Nuran Öztürk, Blackwell Publishers, Derr
4	Examine the ethical system		Nuran Öztürk, Blackwell Publishers, Derr
5	Examine the ethical system		Nuran Öztürk, Blackwell Publishers, Derr
6	Examine the factors that play a role in the formation of morality		Nuran Öztürk, Blackwell Publishers, Derr
7	Examine the factors that play a role in the formation of morality		Nuran Öztürk, Blackwell Publishers, Derr
8	Examine the ethics of the profession		Nuran Öztürk, Blackwell Publishers, Derr
9	Examine the ethics of the profession		Nuran Öztürk, Blackwell Publishers, Derr
10	Examine the ethics of the profession		Nuran Öztürk, Blackwell Publishers, Derr
11	Examine the ethics of the profession		Nuran Öztürk, Blackwell Publishers, Derr
12	Professional corruption and unethical behavior in professional life looking at the results		Nuran Öztürk, Blackwell Publishers, Derr
13	Examine the concept of social responsibility		Nuran Öztürk, Blackwell Publishers, Derr

Course Learning Outcomes

No Learning Outcomes

C01	Ethics, morality, define the basic concepts, Announced that the moral good which can be determined by methods
C02	Explain the differences between the concepts of ethics and morality
C03	Define fundamental professional values??, Explain the moral implications of professional values ??right
C04	profession To explain the consequences of unethical behavior in life
C05	Ethics will be able to analyze
C06	Professional values ??and ethics in the face of problems will find solutions that can be justified, Case examples that can be applied in professional values
C07	Professional ethics in the national and international regulations describe how they were involved, To understand how to reach the relevant regulations
C08	To evaluate the concept of social responsibility.

Program Learning Outcomes

No Learning Outcome

P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT201 TIBBİ GÖRÜNTÜLEME-III					
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	TGT201	TIBBİ GÖRÜNTÜLEME-III	8	6	9

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

Course objective To be informed about Magnetic Resonance Imaging and Computed Tomography imaging devices, and gain to ability to apply this knowledge and skills to survive.

Teaching Methods and Techniques:

Course Content For different anatomical regions of the body with Magnetic Resonance Imaging and Computed Tomography inform about the methods of investigation.

Prerequisites:**Course Coordinator:****Instructors:****Assistants:****Recommended Sources**

Textbook	:	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA Radyolojiye Giriş, Prof. Dr. Ercan TUNCEL
Resources	:	
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:		Field	:	100

Course Content

Week	Topics	Study Materials	Materials
1	Magnetic resonance apparatus I	Introduction of magnetic resonance app	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
2	Magnetic resonance apparatus II	Introduction of magnetic resonance app	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
3	Magnetic resonance apparatus II	Introduction of magnetic resonance app	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
4	Cranial magnetic resonance imagining Neck magnetic resonance imagining	Observation and applications of cranial	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
5	Vertebra magnetic resonance imagining	Observation and applications of vertebra	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
6	Abdomen magnetic resonance imagining	Observation and applications of upper a	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
7	Upper extremity magnetic resonance imagining	Observation and applications of upper e	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
8	Lower extremity magnetic resonance imagining	Observation and applications of lower e	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
9	MR angio imagining	MR angio imagining observations and ar	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
10	Computer aided tomography apparatus	Introduction of computer aided tomoqra	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
11	Head and neck CT imagining	Head and neck CT imagining observatio	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
12	Thorax CT imagining	Observation and applications of thorax	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
13	Abdomen CT imagining	Observation and applications of abdome	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
14	Extremity CT imagining	Extremity CT imagining observations an	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA

Course Learning Outcomes

No	Learning Outcomes
C01	Have knowledae about the basic physics of Magnetic Resonance Imaging
C02	They know about sequences Magnetic Resonance Imaging of knowledae used in daily practice to implement them.
C03	Have knowledae about the physics of imaging with computed tomography and shooting protocols apply in daily practice
C04	Both MR imagining modality both need to get CT scans to prevent of artifacts that may occur due to the technique of shooting and the media know how to provide the appropriate position for the pat
C05	From the moment the patient enters the patient's room shooting creation of an environment provide a relaxing and reassuring to the patient

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imagining
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imagining Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledae related to the field of Medical Imagining Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledae gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imagining Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

ARAŞTIRMA YÖNTEMLERİ					
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	TGT208	ARAŞTIRMA YÖNTEMLERİ	3	3	5

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

To recognize Basic Steps to the research process and reporting

Teaching Methods and Techniques:

Lecture, Question-Answer, Discussion, Self Study

Prerequisites:

Course Coordinator:

Instructors:

Associate Prof.Dr. Cafer SAKA

Assistants:

Recommended Sources

Textbook	:
Resources	:
Documents	:
Assignments	:
Exams	:

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	:
Social Sciences	: 100	Field	:

Course Content

Week	Topics	Study Materials	Materials
1	Scientific concept and history of science		
2	scientific Process and Research		
3	Literature research, hypothesize, Research Strategy		
4	Population and sample		
5	Data, data sources, primary and secondary data		
6	Survey, interview and observation		
7	Qualitative research methods I		
8	Qualitative research methods II		
9	Mid-terms		
10	Quantitative research methods		
11	Research reporting		
12	Form and scope of research reporting		
13	Writing rules		
14	Research ethic		
15	Statistics Practices		

Course Learning Outcomes

No	Learning Outcomes
C01	Araştırma sürecini tanımak ve tasarlayabilmek
C02	To know resource and references
C03	To know quantitative and qualitative research
C04	Have information about scales
C05	To know form and content of investigative report
C06	To know writing rules

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
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P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
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Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT204 İLK YARDIM					
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	TGT204	İLK YARDIM	2	2	3

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

To teach students the situations which require first aid and being able to provide first aid whenever it is necessary

Teaching Methods and Techniques:

Importance of first aid and historical process of first aid Patient assessment and communication in first aid Cardiopulmonary arrest and resuscitation Cardiopulmonary arrest and resuscitation First aid in respiratory obstructions Bleedings and shock Soft tissue traumas Dressings and bandages Fractures, dislocations, sprains and muscle cramps Head and spinal cord injuries Burns Heat stroke and frost bites and frostnips Poisoning Sudden loss of consciousness Patient transport and triage

Prerequisites:**Course Coordinator:****Instructors:****Assistants:****Recommended Sources**

Textbook	:	
Resources	:	1.Dramalı A, Kaymakçı Ş, Özbayır T (2003) Temel İlk Yardım Uygulamaları, Ege Üniversitesi Basımevi, İzmir.,2.Erdil F, Elbaş Özhan N (2001)Cerrahi
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 80
Social Sciences	:	Field	: 20

Course Content

Week	Topics	Study Materials	Materials
1	Importance of first aid and historical process of first aid		
2	Cardiopulmonary arrest and resuscitation		
3	Cardiopulmonary arrest and resuscitation		
4	First aid in respiratory obstructions		
5	Bleedings and shock		
6	Dressings and bandages		
8	Fractures, dislocations, sprains and muscle cramps		
9	Head and spinal cord injuries		
10	Burns		
11	Heat stroke and frost bites and frostnips		
12	Poisoning		
13	Sudden loss of consciousness		
14	Patient transport and triage		

Course Learning Outcomes

No	Learning Outcomes
C01	Being able to describe the meaning of the first aid and its historical process
C02	Being able to differentiate the conditions require first aid and able to assess priorities
C03	Being able to describe the difference between first aid and emergency care
C04	Being able to assess patient and surroundings in first aid
C05	Being able to do first aid in critical health conditions
C06	Being able to describe the first aid provider's characteristics and act according to these characteristics
C07	Being able to use appropriate communication skills and carry on teamwork
C08	Being able to recognize potential risks of traditional practices
C09	Being able to follow up the developments in first aid practices

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
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P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mail)
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radiology
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the field of
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	3	42
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	6	6
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	10	10
Total Work Load			86
ECTS Credit of the Course			3

Course Contribution To Program												
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant												

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	4	4	3	4	4	3	4	5	3	4	3	3
C01	4	4	2	4	5	3	4	5	3	4	4	4
C02	4	4	2	4	5	3	4	5	3	4	4	4
C03	4	4	3	4	5	3	4	5	3	4	4	4
C04	4	4	3	4	5	2	4	5	3	4	3	4
C05	4	4	3	3	4	5	4	5	3	4	3	3
C06	4	4	3	3	4	5	4	4	3	4	3	3
C07	4	4	4	3	4	5	4	4	3	5	3	3
C08	3	3	4	3	4	5	4	4	4	5	3	5
C09	3	3	4	3	4	5	4	4	4	5	3	5



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT210		MESLEKİ UYGULAMA-II					
Semester	Course Code	Course Name	L+P	Credit	ECTS		
2	TGT210	MESLEKİ UYGULAMA-II	8	4	8		

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

Yes

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

Course objective To inform them about imaging techniques and principles of studies ultrasound devices and bone densitometry equipment commonly used in the health field.

Teaching Methods and Techniques:

To be informed about the majority of the body of ultrasound examinations and bone densitometry.

Prerequisites:

Course Coordinator:

Instructors:

Assistants:

Recommended Sources

Textbook	:	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA Radyolojiye Giriş, Prof. Dr. Ercan TUNCEL
Resources	:	Tıbbi Görüntüleme 4 Dersi Ders Notları
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:		Field	:	100

Course Content

Week	Topics	Study Materials	Materials
1	Introduction of ultrasound		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
2	Introduction of ultrasound		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
3	Doppler ultrasonography		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
4	Doppler ultrasonography		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
5	Abdominal ultrasonography		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
6	Abdominal ultrasonography		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
7	Pelvic ultrasound		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
8	Mammography apparatus		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
9	Mammography examinations		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
10	Dexa scanning methods		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
11	Dexa scanning methods		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
12	Surface tissue ultrasonography	Surface tissue ultrasonography	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
13	MR ve BT		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
14	MRI and CT		Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA

Course Learning Outcomes

No	Learning Outcomes
C01	About physics of ultrasound are learned
C02	About thoracic sonografik examination methods are learned.
C03	To have knowledge about the methods of sonographic examination of the abdomen and pelvis .
C04	Yüzevel dokuların(cilt-cilt altı ,testis ,tiroid ve meme gibi) sonografik inceleme yöntemleri hakkında bilgi sahibi olurlar.

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

SEÇMELİ DERS (TEMEL BESLENME)					
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	SEC202	SEÇMELİ DERS (TEMEL BESLENME)	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu Seçmeli

Goals:

Learning of nutrition related definitions, sufficient and balanced unbalanced effects of nutrition on health, basic nutritional composition purposes.

Teaching Methods and Techniques:

Learning of carbohydrates, proteins, lipids and the importance of nutrition , 2-Component chemical structure, properties, classification, functions, sources, daily intake recommendations, excessive intake find out the status of 3 - To learn the food energy, carbohydrate, protein and fat content 4- Proper preparation and cooking methods, and some basic principles of nutrition in the context of conventional recipes to practice in a laboratory setting.

Prerequisites:

Course Coordinator:

Instructors:

Associate Prof.Dr. CAFER SAKA

Assistants:

Recommended Sources

Textbook	:	Beslenme, Baysal, A., Hatiboğlu Yayınevi, 12. Baskı ,2009
Resources	:	Lectures, presentations, discussions
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:	
Engineering	:	Science	:	50
Engineering Design	:	Health	:	30
Social Sciences	:	Field	:	20

Course Content

Week	Topics	Study Materials	Materials
1	The relationship between nutrition and health	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
2	Carbohydrates	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
3	Proteins	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
4	Lipids	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
5	Lipids	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
6	Energy metabolism	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
7	Energy metabolism	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
8	Water	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
9	Water	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
10	Minerals: Sodium, Potassium, Calcium, Magnesium, Iron, Copper	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
11	Minerals: Iodine, Fluoride, Zinc, Manganese, Chromium, Molybdenum, Sulfur, Selenium, Cobalt	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
12	Vitamins: Vitamins A, D, E, K	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
13	Vitamins: Thiamin, Riboflavin, Niacin, Vitamin B6, Vitamin B12, Folic Acid,	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev
14	Vitamins: Vitamin C, Pantothenic Acid, Biotin, Choline, Carnitine, Inositol,	Expression and presentation from relate	Beslenme, Baysal, A., Hatiboğlu Yayınev

Course Learning Outcomes

No	Learning Outcomes
C01	Define the relationship between nutrition and health.
C02	Identifies the negative consequences of malnutrition.
C03	Identifies the consequences of overfeeding.
C04	Energy and macronutrient (carbohydrates, proteins, fats) will be able to understand the importance of healthy eating and body work.
C05	Summarize the importance of vitamins, minerals and water on healthy eating and body work.
C06	Energy nutrients, carbohydrates, protein, vitamins, minerals and water are evaluated in terms of content.

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system, act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

SEÇMELİ DERS(KALİTE YÖNETİM SİSTEMLERİ)					
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	SEC204	SEÇMELİ DERS(KALİTE YÖNETİM SİSTEMLERİ)	2	2	2

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu Seçmeli

Goals:

In this course, aims to teach to competence the implementation of quality management systems

Teaching Methods and Techniques:

TQM model, strategic quality planning, process development, the participation of everyone, Leadership, Product and process design, quality, supplier management, quality improvement tools.

Prerequisites:

Course Coordinator:

Instructors:

Assistants:

Recommended Sources

Textbook	:	1.Baş T., Oymak M. Kalite Yönetim Sistemi, Seçkin Yayıncılık, 2007.
Resources	:	2.Halis M. Meslek Yüksekokulları İçin Toplam Kalite Yönetimi, Seçkin Yayıncılık, 2010.
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:		Field	:	100

Course Content

Week	Topics	Study Materials	Materials
1	Quality Concept		
2	The Concept of Quality and Standardization-Standard		
3	Standard and Standardization		
4	The Importance of Manufacturing and Service Sector Standard		
5	Management Quality and Standards		
6	Management Quality and Standards-		
7	Environmental Standards		
8	Mid term exam		
9	Quality Management System Models		
10	Strategic Management		
11	Participate to Management		
12	Process Management System		
13	Resource Management System		
14	EFQM Excellence Model		

Course Learning Outcomes

No	Learning Outcomes
C01	An understanding of the quality management system
C02	Quality standards Applications
C03	To interpret, evaluate, and discuss the different ideas and theoretical approaches, in relation to the given scope of education disciplines
C04	To have the adequate level of knowledge
C05	To have information about the application areas in private and the state sectors

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretarship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	3	42
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			72
ECTS Credit of the Course			2

Course Contribution To Program													
Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant													

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	2	2	3	3	3	2	3	2	3	3	3	3
C01	2	2	3	3	2	2	2	2	3	3	3	2
C02	2	3	3	2	3	2	3	2	3	2	3	2
C03	3	2	3	2	3	2	3	2	3	2	3	3
C04	2	3	3	2	3	2	3	2	3	3	3	3
C05	3	2	3	2	3	3	3	2	3	3	2	3



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT206 TEMEL BİLGİ TEKNOLOJİSİ					
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	TGT206	TEMEL BİLGİ TEKNOLOJİSİ	4	3	5

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

Aim is to give usage abilities of operating system, internet and office programmes (MS Word, Excel and Powerpoint) by being introduced basic concepts of computer system.

Teaching Methods and Techniques:

Basic Concepts of Computer, Usage of Internet, Windows XP, MS Word, MS Excel, MS Powerpoint.

Prerequisites:**Course Coordinator:****Instructors:****Assistants:****Recommended Sources**

Textbook	:	Remote Education Materials Üniversitemiz Öğretim Üyeleri / Elemanları tarafından kelime işlemcide hazırlanmış olan yazılı dökümanlar. Her ders için
Resources	:	
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	25	Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:	25	Field	:	50

Course Content

Week	Topics	Study Materials	Materials
1	Introduction to Computer, History of Computer, Basic Properties about Computer, Software and Hardware Concepts	Presentation	Remote Education Materials Üniversitem
2	Introduction to Windows XP, Folder index concept, Window properties, Creating new file, Cut-Copy-Paste, Shutting computer	Presentation	Remote Education Materials Üniversitem
3	Windows XP-My Computer, Recycle Bin, Creating shortcut	Presentation	Remote Education Materials Üniversitem
4	Windows XP-Desktop Properties, Task Bar, Form elements, Dialog Boxes, Start menu, Accessories	Presentation	Remote Education Materials Üniversitem
5	Basic Internet Services, Internet Browser and Settings, Search Engine	Presentation	Remote Education Materials Üniversitem
6	MS-Word, Toolbars and properties of it, Save, Security Options, Page Layout, Writing, Font Properties	Presentation	Remote Education Materials Üniversitem
7	MS-Word-Paragraph Properties, Tab, Border and Shading, Columns	Presentation	Remote Education Materials Üniversitem
8	MS-Word-Adding Table and Toolbar of table, Templates	Presentation	Remote Education Materials Üniversitem
9	MS-Word-Private Paste, Find-Replace, Small Picture and Adding Picture, Operating Toolbar of Picture	Presentation	Remote Education Materials Üniversitem
10	MS-Word-Private Paste, Find-Replace, Small Picture and Adding Picture, Operating Toolbar of Picture	Presentation	Remote Education Materials Üniversitem
11	MS-Excel-Toolbars, Folders, Work Page	Presentation	Remote Education Materials Üniversitem
12	MS-Excel-Operators, Creating Formula	Presentation	Remote Education Materials Üniversitem
13	MS-Excel-Cell Formalization, Creating Drawing-objects, Graphs	Presentation	Remote Education Materials Üniversitem
14	MS-Powerpoint-Creating Slide, Design of Slide, Custom Animation, Adding Sound and Starting slide	Presentation	Remote Education Materials Üniversitem

Course Learning Outcomes

No	Learning Outcomes
C01	Students know definition of computer and define hardware components.
C02	They know tasks and functions of computer hardware components.
C03	They can use Windows Operating System and make audit setting.
C04	They are familiar with internet service and search by using internet.
C05	They can document by using MS Word application programme, make formulation, table, and set properties of programme and documents.
C06	They can work book by utilizing MS Excel application programme, make cell formulation, add formula, and set property of programme and work books.
C07	They can presentation slide by using MS Powerpoint programme, set property of formalization like slide order, design and animation, and set property of programme and presentation.

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging.
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical maintenance).
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radiology.
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions to the public.
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in the field of.
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of.
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field.

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	10	6	60
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	14	2	28
Laboratory	8	4	32
Project	0	0	0
Final examination	1	1	1
Total Work Load			150
ECTS Credit of the Course			5

Course Contribution To Program													
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Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
All	1	4	4	4	4	4	4	4	4	4	3	3
C01	1	4	4	4	4	4	4	4	4	4	3	3
C02	1	4	5	5	5	5	5	5	5	4	3	3
C03	1	4	5	5	4	4	1	4	4	4	3	3
C04	5	4	5	4	5	4	5	4	5	4	3	3
C05	4	5	4	5	4	5	4	5	4	4	3	3
C06	1	5	4	5	4	5	4	5	4	4	3	3
C07	1	5	4	5	4	5	4	5	4	4	3	3



Siirt University

SCHOOL OF HEALTH SERVICES
Tıbbi Görüntüleme Teknikleri

TGT202 TIBBİ GÖRÜNTÜLEME-IV					
Semester	Course Code	Course Name	L+P	Credit	ECTS
2	TGT202	TIBBİ GÖRÜNTÜLEME-IV	4	3	5

Language of Instruction:

Turkish

Course Level:

Associate

Work Placement(s):

No

Department / Program:

Tıbbi Görüntüleme Teknikleri

Course Type:

Zorunlu

Goals:

Course objective To inform them about imaging techniques and principles of studies ultrasound devices and bone densitometry equipment commonly used in the health field.

Teaching Methods and Techniques:

To be informed about the majority of the body of ultrasound examinations and bone densitometry.

Prerequisites:

Course Coordinator:

Instructors:

Assistants:

Recommended Sources

Textbook	:	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA Radyolojiye Giriş, Prof. Dr. Ercan TUNCEL
Resources	:	Tıbbi Görüntüleme 4 Dersi Ders Notları
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	:
Social Sciences	:	Field	:

Course Content

Week	Topics	Study Materials	Materials
1	Introduction of ultrasound	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
2	Introduction of ultrasound	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
3	Doppler ultrasonography	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
4	Doppler ultrasonography	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
5	Abdominal ultrasonography	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
6	Abdominal ultrasonography	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
7	Pelvic ultrasound	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
8	Mammography apparatus	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
9	Mammography examinations	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
10	Dexa scanning methods	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
11	Dexa scanning methods	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
12	Surface tissue ultrasonography	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
13	MRI ve BT	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA
14	MRI and CT	Presentation	Temel Radyoloji Tekniği, Prof. Dr. Tamer KAYA

Course Learning Outcomes

No	Learning Outcomes
C01	About physics of ultrasound are learned
C02	About thoracic sonografik examination methods are learned.
C03	To have knowledge about the methods of sonographic examination of the abdomen and pelvis .
C04	Yüzevel dokuların(cilt-cilt altı ,testis ,tiroid ve meme gibi) sonografik inceleme yöntemleri hakkında bilgi sahibi olurlar.

Program Learning Outcomes

No	Learning Outcome
P09	Know anatomical structures, human physiology, and have the knowledge of radiological anatomy related to the radiological examinations to be done in the field of medical imaging
P08	Use well the information and communication technologies, and the computer software related to the field of Medical Imaging Techniques.
P06	Establish an active communication with the colleagues, patients, patient relatives, doctors and other health workers.
P12	Attend necessary programs, vocational in-service activities and other studies in order to improve themselves individually and professionally.
P11	Know radiation safety and to be protected from radiation, and protect themselves, patients and public from radiation with safety precautions.
P10	Have the knowledge of control and maintenance of the gadgets and equipment they use in the fields of radiology, radiotherapy and nuclear medicine, or to have them (error, periodical medical mai
P03	Perform the processes of diagnosis and treatment which the doctor sees necessary independently or with the doctor when needed by using related gadgets, tools and techniques in the units of radi
P02	Inform the concerned people or institutions by using their gained basic knowledge related to the field of Medical Imaging Techniques and Secretaryship, and transfer their thoughts and solutions s
P01	Professionally evaluate and apply the knowledge gained through the theoretical and applied courses which are at the base level aided with course books, application tools and other resources in s
P07	Know the institutions and organizations exist in the health system; act proper to the laws, regulations and directives related to their rights and responsibilities as an individual working in the field of
P05	Act proper to the public, scientific, cultural and ethic values at the steps of data collection, interpretation, application and declaring the results related to the field of Medical Imaging Techniques.
P04	Act proper to the quality management and processes by being in the team in order to solve the present and unpredictable complex problems encountered during the applications related to the field

