T.C.

MUĞLA SITKI KOÇMAN UNIVERSITY

FACULTY of MEDICINE

2025-2026 ACADEMIC YEAR

PHASE 5 ENGLISH MEDICINE PROGRAM

COURSE of NUCLEAR MEDICINE

DEAN	**:Prof. Dr. Süleyman Cüneyt KARAKUŞ**
VICE DEANS	**:Prof. Dr. Cem ŞAHİN**
	Prof. Dr. Nesrin FİLİZ BAŞARAN
CHIEF COORDINATOR	**:Prof. Dr. Emine Neşe YENİÇERİ**
PHASE 5 COORDINATOR	**: Doç. Dr. İbrahim Önder YENİÇERİ**
PHASE 5 ASSISTANT COORDINATORS	**: Prof. Dr. Ozan GÖKDOĞAN**
	Doç. Dr. Emine Tuğba ALATAŞ
	Doç. Dr. Ahmet KADERLİ
Department Responsible for Course	**: Nuclear Medicine**
Course Type	**: Compulsory**
Duration of the Course	**: 1 weeks**
Course Code	**: Med 5022**
ECTS	**: 1**
Head of the Department	**: Dr. Öğr. Üyesi Ozan Kandemir**

Teaching Staff	Theoretical Lesson Hours	Practical Lesson Hours
Dr. Öğr. Üyesi Ozan Kandemir	15	9

Coordinator of the Course Education Program	**: Dr. Öğr. Üyesi Ozan Kandemir**
Coordinator of the Course Examinations	**: Dr. Öğr. Üyesi Ozan Kandemir**
Coordinator of Course Assessment and Evaluation	**: Dr. Öğr. Üyesi Ozan Kandemir**

Tarih	Gun	Saat	AnabilimDaliAdi	KonuAdi	OgrElm
08-09-2025	Pazartesi	08:30-09:20		Söyleşi Saati / Interview Time Nuclear Medicine Internship Introduction-Information Meeting	
08-09-2025	Pazartesi	09:30-10:20	NÜKLEER TIP	Radioactivity, Types of radioactive rays, Radioactive decay	OZAN KANDEMİR
08-09-2025	Pazartesi	10:30-11:20	NÜKLEER TIP	Radionuclides used in nuclear medicine and their acquisition	OZAN KANDEMİR
08-09-2025	Pazartesi	11:30-12:20	NÜKLEER TIP	Skeletal scintigraphy and infection imaging	OZAN KANDEMİR
08-09-2025	Pazartesi	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour Consulting Hour	
08-09-2025	Pazartesi	13:30-14:20		Klinik Uygulama / Clinical Application Working with Examination Samples	
08-09-2025	Pazartesi	14:30-15:20		Klinik Uygulama / Clinical Application Working with Examination Samples	
08-09-2025	Pazartesi	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour Preparation for Report Evaluation	
08-09-2025	Pazartesi	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour Preparation for Report Evaluation	
09-09-2025	Salı	08:30-09:20	NÜKLEER TIP	Interaction of radioionizing rays with matter, biological effects and radiation protection	OZAN KANDEMİR
09-09-2025	Salı	09:30-10:20	NÜKLEER TIP	Detection of radioactive rays, scintigraphy methods	OZAN KANDEMİR
09-09-2025	Salı	10:30-11:20	NÜKLEER TIP	Myocardial perfusion scintigraphy 1	OZAN KANDEMİR
09-09-2025	Salı	11:30-12:20	NÜKLEER TIP	Myocardial perfusion scintigraphy 2	OZAN KANDEMİR
09-09-2025	Salı	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour Consulting Hour	
09-09-2025	Salı	13:30-14:20		Klinik Uygulama / Clinical Application Working with Examination Samples	
09-09-2025	Salı	14:30-15:20		Klinik Uygulama / Clinical Application Working with Examination Samples	
09-09-2025	Salı	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour Preparation for Report Evaluation	
09-09-2025	Salı	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour Preparation for Report Evaluation	
10-09-2025	Çarşamba	08:30-09:20	NÜKLEER TIP	Endocrine system scintigraphy 1	OZAN KANDEMİR
10-09-2025	Çarşamba	09:30-10:20	NÜKLEER TIP	Endocrine system scintigraphy 2	OZAN KANDEMİR
10-09-2025	Çarşamba	10:30-11:20	NÜKLEER TIP	Renal scintigraphy 1	OZAN KANDEMİR
10-09-2025	Çarşamba	11:30-12:20	NÜKLEER TIP	Renal scintigraphies 2	OZAN KANDEMİR
10-09-2025	Çarşamba	12:30-13:20			
10-09-2025	Çarşamba	13:30-14:20		Klinik Uygulama / Clinical Application Working with Examination Samples	
10-09-2025	Çarşamba	14:30-15:20		Klinik Uygulama / Clinical Application Working with Examination Samples	
10-09-2025	Çarşamba	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour Preparation for Report Evaluation	
10-09-2025	Çarşamba	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour Preparation for Report Evaluation	
11-09-2025	Perşembe	08:30-09:20	NÜKLEER TIP	Treatment with radionuclides 1	OZAN KANDEMİR
11-09-2025	Perşembe	09:30-10:20	NÜKLEER TIP	Radionuclide treatments 2	OZAN KANDEMİR
11-09-2025	Perşembe	10:30-11:20	NÜKLEER TIP	PET-CT in clinical practice	OZAN KANDEMİR
11-09-2025	Perşembe	11:30-12:20		Klinik Uygulama / Clinical Application Working with Examination Samples	
11-09-2025	Perşembe	12:30-13:20			
11-09-2025	Perşembe	13:30-14:20		Klinik Uygulama / Clinical Application Working with Examination Samples	
11-09-2025	Perşembe	14:30-15:20		Klinik Uygulama / Clinical Application Working with Examination Samples	
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11-09-2025	Perşembe	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour Preparation for Report Evaluation	
12-09-2025	Cuma	08:30-09:20			
12-09-2025	Cuma	09:30-10:20		Sınav / Exam Theoretical Exam	
12-09-2025	Cuma	10:30-11:20			
12-09-2025	Cuma	11:30-12:20		Sınav / Exam Practical Exam	
12-09-2025	Cuma	12:30-13:20			
12-09-2025	Cuma	13:30-14:20		Söyleşi Saati / Interview Time Evaluation of Course Exam	
12-09-2025	Cuma	14:30-15:20		Söyleşi Saati / Interview Time Course Evaluation Meeting	
12-09-2025	Cuma	15:30-16:20			
12-09-2025	Cuma	16:30-17:20			

NUCLEAR MEDICINE (PHASE 5)

LEARNING AIM(S)	
1	In this course, it is aimed that the students have information about the diagnostic nuclear medicine methods and treatment applications, with or without visualization, applied in the diagnosis and treatment of diseases within the scope of the National CEP, and to benefit from these in the preliminary diagnosis of clinical pathologies common in our society.

LEARNING OBJECTIVE(S)	
1	To be able to explain the physics of radiation and the use of radioactive materials in medicine.
2	To be able to explain the working principles of imaging systems and be able to make practical applications.
3	To be able to explain the biological effects of radiation and protection from radiation.
4	To be able to explain the conscious use of radioionizing sources in terms of patient and employee safety.
5	To be able to explain and practice nuclear medicine applications in cardiovascular system, central nervous system, respiratory system, gastrointestinal system, urinary system, endocrine system diseases.
6	To be able to explain and practice nuclear medicine applications used in oncology and infectious diseases.
7	To be able to explain the use of radioactive materials in treatment.

INTENDED LEARNING OUTCOME(S)	
1	Can explain the physics of radiation and the use of radioactive materials in medicine.
2	Can explain the working principles of imaging systems and be able to make practical applications.

3	Can explain the biological effects of radiation and protection from radiation.
4	Can explain the conscious use of radioionizing sources in terms of patient and employee safety.
5	Can explain and practice nuclear medicine applications in cardiovascular system, central nervous system, respiratory system, gastrointestinal system, urinary system, endocrine system diseases.
6	Can explain and practice nuclear medicine applications used in oncology and infectious diseases.
7	Can explain the use of radioactive materials in treatment.