



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

**INSTITUTE of GRADUATE
STUDIES & RESEARCH
Ph.D. PROGRAMS
*LİSANSÜSTÜ EĞİTİM ÖĞRETİM
ve ARAŞTIRMA ENSTİTÜSÜ
DOKTORA PROGRAMLARI***

www.eul.edu.tr



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF ARCHITECTURE

PROGRAM INFORMATION

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PROGRAM INFORMATION

Program Name and Degree Awarded

Doctorate at Architecture (Doctor of Philosophy- PhD)

Duration of Studies

The program consists of 7 courses (21 credits); a seminar as non-credit course, the doctoral comprehensive qualification examination, the thesis proposal, thesis work, and the defense of the thesis before a jury. Two years are required for the thesis after completion of the courses and the seminar. The normal time limit for completion of the program is four years.

Total Credits / ECTS

21 local credits / 240 ECTS

Language of Instruction

English

Mission and Vision

The mission of the doctorate programme in architecture is to produce original, scholarly research that advances the field by creating new knowledge, theories and innovative solutions to contemporary architectural and urban issues. The programme prepares graduates for leadership roles in academia, research and the global built environment. The programme aims to develop critical thinkers who are capable of interdisciplinary work and who can contribute to a more sustainable and culturally responsive built environment. This is achieved through a focus on diverse areas such as history, theory, technology, urbanism and digital fabrication.

The vision of the Architecture PhD programme is to cultivate innovative, interdisciplinary researchers and scholars who can generate new knowledge and theories in the domain of architecture and associated fields. These individuals are expected to contribute to the enhancement of quality of life and address global challenges through advanced research and education.

Program Objectives

The PhD programme in Architecture has been designed to encourage the generation of new knowledge and theory through original and independent research. Furthermore, the programme seeks to train experts who can contribute to scientific and societal advancements in the field. The primary objectives of the programme include the development of specialised research skills, the contribution to architectural theory and practice, the development of sustainable and technological solutions, and the fostering of interdisciplinary thinking to address complex contemporary architectural challenges and improve the built environment.

Program Learning Outcomes

1. Original research

The capacity to undertake independent and systematic original research that makes a significant contribution to the discipline of architecture is a prerequisite for this position.

2. *Advanced methodologies*

The development, adaptation and application of sophisticated research methods and theories to complex and open-ended problems

3. *Critical synthesis*

To engage in critical reflection, synthesis and evaluation of extant knowledge, with a view to contributing new understandings to the forefront of architectural knowledge.

4. *Complex problem formulation*

The capacity to formulate relevant scientific questions and develop methodological solutions to complex, interdisciplinary challenges related to architecture and the built environment

5. *Holistic understanding*

To comprehend coherence and interconnectedness between different domains of knowledge and experience.

6. *Professional and ethical conduct*

To demonstrate a high degree of autonomy, authoritative judgment, and ethical responsibility as an expert and scholar.

7. *Effective communication*

The capacity to articulate and disseminate research outcomes verbally and in written form to a diverse audience comprising academics, colleagues, and the general public with a high degree of proficiency.

Curriculum

1 st SEMESTER (FALL)					2 nd SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
ARCH 617	Critical Investigation of Theory in Architecture	3	0	3	ARCH 648	Environmental consideration and design process	3	0	3
ARCH 646	Traditional Housing Buildings	3	0	3	ARCH 624	Architectural environments and space	3	0	3
ARCH 634	Advanced research techniques	3	0	3	ARCH 614	Traditional building elements and techniques	3	0	3
ARCH 609	Design philosophy	3	0	3					
Total: 21 credits									

3rd SEMESTER

CODE	COURSE NAME	T	P	C
ARCH	Seminar (Non-credit)	0	0	0
Total		0		

4th SEMESTER

CODE	COURSE NAME	T	P	C
ARCH	Doctoral Qualification Examination (Non-credit)	0	0	0
Total		0		

5th -8th SEMESTERS

CODE	COURSE NAME	T	P	C
ARCH	Thesis (Non-credit)	0	0	0
Total		0		

Laboratory and Equipment Capacity (if applicable)

Not applicable

Career Opportunities

Upon completion of a PhD in architecture, professionals may opt for conventional roles such as architectural design, urban planning, and landscape architecture. These roles encompass employment opportunities in both private sector offices and government institutions. Alternatively, specialisation in domains such as historical preservation, sustainable design, or project management is a viable option. Furthermore, they have the option to transition to academia, thereby continuing their academic advancement.

Contact Information

Assoc. Prof. Dr. Cemaliye Sunalp Gürçınar - csunalp@eul.edu.tr

COURSE CATALOGUE DESCRIPTIONS

There are no mandatory courses.

ARCH 609 Design Philosophy (3-0) 3

The philosophy of design course examines the fundamental principles, history, and ethical implications of design, addressing topics such as the role of design in shaping society, the nature of creativity, design thinking, and critical analysis of the impact of contemporary design on social and environmental issues. The programme encompasses historical design movements, the relationship between design and philosophy, and the development of personal design frameworks through theoretical study and practical research.

ARCH 612 Advanced Structural System (3-0) 3

The objective of this course is to provide knowledge on the static of advanced structural systems. Emphasis is given especially to the structures under the effect of dynamic forces such as wind and earthquakes. The architectural forms and innovative systems used in foundation to resist dynamic forces will be taught to make students familiar with the concepts about design of structural systems. Dynamic forces-wind and earthquake. Architectural form and the dynamic forces. The limits of structural systems. Foundation rooftop mechanism designs to resist earthquake forces.

ARCH 614 Traditional Building Elements and Construction Techniques (3-0) 3

The objective of the course is to lend students analytical vision in understanding the behaviour of structural components and identify the related problems frequently met in historic buildings. Non-destructive test techniques in the diagnosis of structural failures designed for ones other than visible problems are also introduced. Together with their problems, various types of construction techniques from different historic periods mainly in Europe and Anatolia are introduced and basic intervention methods and repair materials are discussed in the light of restoration principles. Students are asked to submit assignments and prepare a seminar presentation on topics determined at the beginning of the semester.

ARCH 615 Studies on Architectural Structures (3-0) 3

Analyze some real systems in detail. Distil common concepts that emerge from theory and that apply to many kinds of systems. Learning about architecture/structure by examining a wide variety of systems such as biological, sociological, economic at a variety of levels in addition to the technological and organizational systems. Students are encouraged to explore how structure is determined by looking at system typologies and constraints that influence or determine the structure. Network methods may be used as a choice of level of abstraction.

ARCH 616 New Perspectives on Earthen Architecture (3-0) 3

The objective of this course is to provide knowledge on properties of earthen material used in the construction of traditional architecture considering the advantageous of local materials for environmental control. The course focuses on the composite use of gypsum and adobe which aims to make earthen material more compatible for new constructions.

ARCH 617 Critical Investigation of Theory in Architecture (3-0) 3

The course undertakes an analytical investigation into the historical and contemporary relationship between architectural design and theory, examining how ideas from culture, philosophy, and society shape the field of architectural thought and practice. The course content typically encompasses the study of seminal texts, contemporary movements, and pioneers in the field, in addition to the development of foundational skills for academic research and written communication. The course undertakes an examination of specific theoretical issues, including sustainability and the role of the architect in a changing world. It further explores the application of theoretical insights to design, and the development of critical thinking and research skills through writing and discourse.

ARCH 620 Development of Contemporary Architecture (3-0) 3

Industrial revolution, scientific progress, inventions of materials and techniques, building evolution and its influence on prevailing architectural styles, in the continent. Great Exhibitions and achievements in technology and expression. Search for new forms; rationalism, engineering tradition - reinforced and ferro-concrete, Arts and Craft Ideals and Art Nouveau movement. American development, Chicago School, Louis Sullivan, architectural system of Frank Lloyd Wright- Grammer of Prairie houses. Responses to mechanisation; Deutscher Werkbund and Futurism, De Stijl and Amsterdam School. New space conceptions, Cubism, Le Corbusier's quest for ideal form, Bauhaus movement and International style, Walter Gropius, Mies Van de Rohe, Philip Johnson etc. Deconstructivism and architecture in the age of electronic media, emerging concepts. As a futuristic vision, concluding part of the course gives an idea about present revolution in science and technology, emerging concepts of human habitat, possible changes and future possibilities in architecture. Some on- going experiments by leading architects of today are highlighted as path finder.

ARCH 621 Introduction to Architectural Research (3-0) 3

The objective of the course is to make students define, plan, execute, and complete a research project, and understand the basic principles of scientific investigation and the architectural research process. Course contents are; research issues in architecture; analysing a textbook/paper; criteria for topic selection; process of a research project; research methods (qualitative and quantitative methods); proposal development; writing and presentation techniques.

ARCH 622 Form and Geometry in Architecture (3-0) 3

Knowledge fields of architecture, knowledge representation, design process, form generation in the design process, different approaches to alternative ways of form generation process, procedures of form generation, mathematics and geometric models in form generation, form generation struggles in urban design and architectural design process in the historical context, symbol sets and mapping in design process, grids and other design tools, and procedures on design tools in form generation process, computer implementations in shape grammar and solid grammar, rule based systems, computer modelling in architecture, analysis of examples in relation to form generation procedures in historical context.

ARCH 623 Geometrical Issues in Architectural Design (3-0) 3

Geometry as ground for form and space creation. Relationship and interdependence between function and geometry of designing spaces. Geometrical transformation of forms and spaces. Conceptual approach to geometrical design of buildings and structures.

ARCH 624 Architectural Environments and Space (3-0) 3

Studies on environmental issues of architectural design. Environment and built environment. Comfort as a final goal of architectural design. Historical, physical, cultural and psychological aspects of comfort providing in both building design and built environment.

ARCH 625 Theories and Process in Architectural Design (3-0) 3

The course provides a comprehensive overview of the philosophical, historical and critical foundations of architecture, in addition to advanced research on the methodologies and processes employed in building and urban design. The content of the programme typically includes interdisciplinary studies in urbanism, housing, computational design, sustainability, and cultural contexts.

ARCH 627 Application of Tessellations in Architecture (3-0) 3

Study on tessellations' shapes, types and methods of their grouping. Applications of tessellations in different visual arts, research and selection of tessellations' types relevant to architectural design problems. Tessellated grids and building design issues. Transformation of two dimensional tessellated grids into three dimensional forms. Tessellated grids and long span structures.

ARCH 628 The Effects of Colour and Light on the Perception of Architectural Edifice (3-0) 3

Architectural design is a comprehensive process requiring the understanding and utilization of a variety of skills and resource sources. While it can be a highly individualized and idiosyncratic process the necessary interface of this process with society's circumstances and perception of the architectural edifice. The objective of this course is to understand Light-Colour-Space relation and its effect to human perception through analysis of existing architectural stock and environment.

ARCH 629 Space, Form and Sustainable Technology (3-0) 3

A research and invention, oriented seminar exploring the consequences of contemporary and future sustainability strategies on formal and tectonic architectural conditions. Ecological and cultural practices as a foundation for design are considered. The course proceeds from a theoretical research on space, form and sustainable technology and analysis how designers use space, form, technology to exhibit cultural artefacts and ideas.. Student in the process of devising and learning theories, related to the subject of study, and the conclusion from the field study which is carried out in an urban district or a village core will test their knowledge from the course.

ARCH 630 Environmental Aesthetics (3-0) 3

A critical understanding of the roles of architectural design, aesthetics, and materiality in shaping the built environment. The objective of this course is dealing with visual art, elements and principles. The course begin with analyses and criticism the theoretical concepts and viewpoints which is related to the subject of the study. Student in the process of devising, learning and

understanding theories, related to the environmental aesthetics will test their knowledge from the course in field study, which will be an urban district or a village.

ARCH 631 Theory of Colour (3-0) 3

The objective of this course is to understand the different relationships of colour established in the colour wheel and to be able to use them as a design tool. Studies on theory of colour and colour relationships comprising primary, secondary, analogous and complementary colours. The role of hue, saturation, value and pigment in colour theory. Advancing (warm) colours vs. receding (cool) colours and neutral colours. The reflection of light in nature, painting, architecture and interiors.

ARCH 632 Theory of Conservation (3-0) 3

Conceptual definitions and terminologies for understanding the theory of conservation. Historical approaches towards developing the theory of conservation. Basic concepts in architectural field. Types of cultural and historic heritage; architectural buildings, archaeological sites, historic area (historic urban quarter and village core). Contemporary international regulations; accepted principles, charters and declarations. The importance of recording and documentation. Conservation and the unity of style; destruction for the sake of restoration and the anti-restoration theory. Analytical approach towards the structures and the original materials. Authenticity, changing criteria and concept of authenticity in architectural conservation; Adaptive re-use of the traditional buildings with emphasis on pre-determined revitalization approaches. Conservation, revitalization and design in historic environment (urban conservation). Encouragement of public participation.

ARCH 634 Advanced Research Techniques (3-0) 3

The course is designed to provide doctoral students with the advanced skills required to conduct academic research and to teach them to critically evaluate and apply qualitative, quantitative, and mixed-methods research designs in architecture. The content is organised around core concepts, including the research process, literature reviews, the formulation of research problems, and the development of robust research proposals and experimental studies.

ARCH 635 Architectural Heritage Recording (3-0) 3

Approaching towards protection of historic buildings. The methods of making a thorough measured and descriptive survey of a historic building. Students will test their knowledge from the course on a chosen building through various, techniques and instruments from theoretical lectures, which are given during the course. Practical exercises are carried out on the field study. The students are also encouraged to develop a practical approach for analysis a traditional dwelling in a site, which is chosen as case study and is necessary for the preparation of restitution projects.

ARCH 638 Documentation Methods for Historic Environments (3-0) 3

The objective of this course is to introduce documentation methods for historic areas to preserve (historic urban quarter and village core). Student investigate local urban configuration to determine the underlying socio-spatial mechanism. Investigation of documentation methods appropriates a chosen historic area. The students will be able to gain experience in documenting procedures for analysis architectural, natural, cultural, and socio-economic characteristics of a chosen historic area, to interpret, and evaluate; strength, weakness, opportunity and threat in order to develop practical skills in this scope. Preference for field study is historic residential environment. It can

also be the theme of a restoration project. The content and scope of the study necessitate teamwork both in site and in the studio.

ARCH 646 Traditional Housing Buildings (3-0) 3

Analyse of traditional urban house and its settlement pattern, characterization of traditional house according to their determination criteria, set out principles of conservation and preservation about traditional housing and research on different cases from Anatolia and Cyprus Cities.

ARCH 648 Environmental Consideration and Design Process (3-0) 3

This course is divided into several components enabling students to study contemporary issues affecting the development of housing within the built environment worldwide. Global environmental issues, urban and rural housing issues, housing delivery systems, rural community planning and development, energy conservation, sustainability, resilience, ecological design and the exploitation of natural sources of energy, especially solar energy, form the content of course components.

ARCH 651 Computers in Design (3-0) 3

The use of computers in various design professions is discussed. Computers programming will be further studied together with an introduction to the principles of computer graphics.

ARCH 652 Introduction to Space Syntax (3-0) 3

Space syntax defines theories and techniques concerning the relationship between space and society. The course aims to convert the intuitive approach to design towards a more objective and analytic notion. The course introduces the theoretical background, the analytical techniques and related terminology used in space syntax research. It's relation to spatial cognition, movement, way finding, planning and designing phases in terms of existing built environments and virtual based parametric environments are among areas that are to be discussed.

ARCH 653 Classical Antiquity Now and Then (3-0) 3

The course analyses the survival and revival of classical architecture from the end of the Roman Empire to nowadays. Attention is paid to the formal (stylistic) vocabulary and secondly to the cultural, theoretical and political background for the perseverance of classicism in Western architecture and beyond. The course is based on the analysis of selected examples of buildings and the reading of scholarly literature on the subject.

ARCH 690 Seminar (non-credit)

The expression of the subject, objectives and the discussions on the related theoretical issues, presentation of the consequences, the discussions of the thesis in regard to contemporary developments in architecture.

ARCH 600 Thesis (non-credit)

The thesis constitutes a comprehensive and original research study with a specific hypothesis that makes a significant contribution to architectural knowledge. It is characterised by a detailed architectural proposal or comprehensive presentation of independent research findings and conclusions. The thesis represents the pivotal element of the doctoral programme, serving as a testament to the candidate's capacity to undertake independent research, demonstrate critical thinking, and resolve sophisticated architectural challenges through innovative research and design exploration.



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PROGRAM OF BUSINESS ADMINISTRATION

PROGRAM INFORMATION

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PROGRAM INFORMATION

Program Name and Degree Awarded: Ph.D in Business Administration – Ph.D

Duration of Studies: 4 Years (8 semesters)

Total Credits / ECTS: 21 Credits / 240 ECTS

Language of Instruction: English

Mission and Vision:

Mission:

- Advance knowledge in the field of business administration through original, high-quality research.
- Prepare scholars, researchers, and educators who contribute to the development of business theory and practice.
- Cultivate critical, analytical, and innovative approaches to addressing complex business and societal challenges.
- Foster a global academic community that promotes interdisciplinary collaboration and thought leadership.
- Support ethical research practices and the responsible dissemination of knowledge to academia, industry, and society.

Vision:

The PhD program in Business Administration aspires to be a leading center of academic excellence, globally recognized for producing influential scholars and thought leaders who advance knowledge, shape management practice, and contribute to sustainable social and economic development.

Program Objectives:

The PhD program aims to:

- Train students to conduct independent, original, and impactful research in business administration.
- Develop graduates with deep expertise in their chosen field and the ability to contribute to the global academic community.
- Equip future scholars with advanced methodological, theoretical, and analytical skills.
- Prepare students for academic and research-oriented careers in universities, think tanks, and policy institutions, as well as leadership roles in industry.
- Promote ethical, responsible, and innovative scholarship that addresses contemporary business and societal challenges.

Program Learning Outcomes:

1. Demonstrate advanced knowledge and competence in the latest academic theories and concepts of management, strategic management, organizations, international organizations, finance, and economics in a global field of business administration.
2. Demonstrate integration from multiple disciplines to generate novel ideas, strategies, and practical approaches to address business issues faced by leadership in organizations.
3. Develop new strategic approaches to solve unforeseen complex issues in the business administration field through integrative and creative elaboration,
4. Demonstrate effective research skills, including formulation of a research problem; integration of previous publications into an appropriate literature review; design of a research study; data analysis; and ability to summarize and present the results.
5. Communicate systematically the recent developments and his/her individual studies in the field of business administration to the groups within and outside the field via written, oral, and visual presentations.

Curriculum

1 st SEMESTER (FALL)					2 ND SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
BUSN629	Management in Theory and Practice	3	0	3	BUSN614	Advanced Strategic Management Research	3	0	3
COMN661	Quantitative Methods	3	0	3	BUSN642	Economic Analysis for Managers	3	0	3
BPEL01	Elective I	3	0	3	BPEL03	Elective III	3	0	3
BPEL02	Elective II	3	0	3	BUSN610	Seminar	0	2	0
Total: 21 credits									

3rd SEMESTER

CODE	COURSE NAME	T	P	C
BUSN620	PhD Qualification Exam (No credit)	0	2	0
Total		0		

4th SEMESTER

CODE	COURSE NAME	T	P	C
BUSN600	Thesis Proposal: Defense and Approval of Thesis Topic by Thesis Monitoring Committee (TIK) (No credit)	0	2	0
Total		0		

5th SEMESTER

CODE	COURSE NAME	T	P	C
BUSN600	Thesis (Non-credit)	0	2	0
Total		0		

6th SEMESTER

CODE	COURSE NAME	T	P	C
BUSN600	Thesis (Non-credit)	0	2	0
Total		0		

7th SEMESTER

CODE	COURSE NAME	T	P	C
BUSN600	Thesis (Non-credit)	0	2	0
Total		0		

8th SEMESTER

CODE	COURSE NAME	T	P	C
BUSN600	Thesis (Non-credit)	0	2	0
Total		0		

FOUNDATION PROGRAM (if required)

FALL SEMESTER					SPRING SEMESTER				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
BUSN509	Management & Organization	0	0	0	BUSN512	Financial Management	0	0	0
CGCR501	Research Methods	0	0	0	CGCR502	Data Analysis	0	0	0
COMN107	Economics	0	0	0	BUSN210	Financial Management	0	0	0

Career Opportunities

Graduates of the PhD program are prepared for academic, research, and high-level policy or consultancy roles. Career opportunities include:

- University professor or researcher
- Senior researcher in think tanks or research institutes
- Policy advisor in government or international organizations
- High-level consultant in business strategy and management
- Leadership roles in NGOs and global organizations
- Author and thought leader contributing to academic and business communities

Contact Information

Head of Department: Prof. Dr. Derviş Kırıkaleli
E-mail: dkirikkaleli@eul.edu.tr

COURSE CATALOGUE DESCRIPTIONS

BUSN629 Management in Theory and Practice

This course will serve as an introduction to Management Theory, Science and Practice. We shall attempt to organize and present, in a practical way, the fundamental knowledge underlying the art and science of management. What is said in this course is intended to apply to managers at every level in every kind of organization or enterprise. We shall study management by examining the basic functions of a manager - planning, organizing, controlling, and leading - from a formal or technical point of view but using practical examples.

COMN661 Quantitative Methods

This course is designed to provide students with an understanding of key statistical methods used by businesses. After reviewing basic statistical techniques, emphasis is placed on regression analysis, its underlying assumptions and problems associated with violations of these assumptions. The course also explores alternative forms of multivariate analysis and introduces students to spatial regression models and structural equation models.

BUSN614 Advanced Strategic Management Research

This course examines the design and operation of international management accounting control systems. Students will be introduced to various typologies of management control and consider the possibilities of management accounting work in relation to these. Such understandings of the interrelationship between management control and management accounting work will be related to a number of contextual considerations as well.

BUSN642 Economic Analysis for Managers

The course focuses on applying economic modelling and analytical techniques for the contemporary economic questions. PhD students will have learned how advanced economic research is employing economic theory and analytical tools to standard macroeconomic problems. Fields of application may include the role of income, wealth and uncertainty to consumption and savings decisions; the determinants of investment, growth and unemployment.

BUSN610 Seminar

The expression of the subject, objectives and the discussions on the related theoretical issues, presentation of the consequences, the discussions of the thesis in regard to contemporary developments in business administration.

BUSN600 Thesis

Supervised independent research on a topic arranged between the student and a faculty member and approved by the Administrative Committee of the Institute. It must be an original contribution to the field of business administration.

ELECTIVE COURSES

BUSN636 Managerial Finance

Along with marketing and finance, the operations function plays a vital role in achieving a company's strategic plans. Since the operations function produces the goods and provides the services, it typically involves the greatest portion of the company's employees and is responsible

for a large portion of the firm's capital assets. This course addresses issues and methods of production/operations management. It focuses on the problems that frequently confront production/operations managers. After completing this course, the students should appreciate the role of operations managers in achieving a company's business goals. Topics discussed in this course include product strategy, process strategy and capacity planning, location and layout strategies, supply-chain management, material requirement planning, aggregate planning and scheduling.

BUSN623 Theories of Organization

Organizations are all around us in society: we study in them, work for them, depend on them for goods and services, and we are often regulated or highly influenced by them. Therefore, we should aim to better understand them. Understanding organizations is essential to becoming more effective analysts, managers and leaders. Thus, this course focuses on basic theories like Contingency Theory, Resource Dependency Theory, Institutional Theory and Transaction Cost Theory.

BUSN635 Researching International Organizations

This course will offer a comprehensive examination of international organizations' political and structural role in world politics and explore the roles and impacts of international organizations at regional and global levels. We will critically examine the complexity and changing nature of the interrelationships between political and legal aspects of international organizations and shed light on the methodological challenges that come with the complexity of international organizations, addressing and simultaneously bridging differing perspectives between interpretation and explanation. Through presentations and guided research, this course will encourage PhD candidates to improve their own skills and capacities for engaging constructively in critical issue areas of international organizations research.



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PROGRAM OF CIVIL ENGINEERING

PROGRAM INFORMATION

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PROGRAM INFORMATION

Program Name and Degree Awarded

Civil Engineering, Doctor of Philosophy

Duration of Studies

4 years

Total Credits / ECTS

21/120

Language of Instruction

English

Mission and Vision

Mission

The mission of the European University of Lefke Doctoral Program is to develop research and education activities through an interdisciplinary approach, contribute to knowledge through original scientific studies, serve society through high-quality publications and projects, and instill in students critical thinking, problem-solving, and a sense of ethical responsibility. The program aims to cultivate academics and experts who are highly competent in scientific research and capable of competing at an international level.

Vision

The European University of Lefke Doctoral Program aims to train leading researchers who can generate scientific knowledge on a universal scale, develop innovative and sustainable solutions, adhere to ethical values, and contribute to academic and societal levels at national and international levels. The program's vision is to empower future scientists with global competitiveness, guided by the principles of scientific excellence and academic freedom.

Program Objectives

The Civil Engineering Doctoral Program aims to equip students with the capacity to conduct independent research, grasp scientific issues from a deep and broad perspective, and effectively disseminate their original work nationally and internationally, while adhering to social, scientific, and ethical values in the collection, interpretation, and dissemination of data, as well as in all professional activities. Furthermore, throughout the doctoral program, students are expected to develop the ability to defend their original views in discussions of field issues with experts and to develop effective communication skills that demonstrate their competence in the field. Candidates in the doctoral program are expected to produce comprehensive research that introduces innovations in science or technology, develops a new scientific method or technological product/process, or applies a known method to a new field.

Program Learning Outcomes

1. Field Knowledge and Expertise

Demonstrates in-depth understanding of theoretical and practical aspects of civil engineering and critically evaluates current developments in the field.

2. Research and Methodological Competence

Employs advanced research methods, analytical tools, and numerical modeling techniques to solve civil engineering problems.

3. Original Contribution

Develops innovative methods, models, or technologies that bring novelty to the field and contribute to the scientific literature.

4. Academic Production and Publication

Produces original scientific papers for publication in national and international peer-reviewed journals and presents findings at academic conferences.

5. Problem Solving in Civil Engineering

Analyzes and provides solutions to complex problems in structural, geotechnical, transportation, hydraulic, and environmental engineering subfields.

6. Sustainability and Innovation

Proposes innovative approaches in civil engineering practices with emphasis on sustainability, energy efficiency, and environmental impact.

7. Ethics and Professional Responsibility

Acts in accordance with engineering ethics in research, projects, and practice, and demonstrates academic integrity and social responsibility.

8. Communication and Presentation Skills

Effectively communicates research outcomes in written, oral, and visual formats to national and international academic communities.

9. Interdisciplinary Collaboration

Engages in collaboration with related disciplines such as architecture, environmental sciences, materials science, and information technologies.

10. Leadership and Project Management

Plans, manages, and conducts scientific research projects and demonstrates leadership in team-based academic and professional environments.

Curriculum

1st Semester				
Course Code	Course Name	(T-A-L)C	ECTS	Course Type
CVEN631	FIBER REINFORCED CONCRETE APPLICATIONS	(3-0-0)3	8	Compulsory
CVEN633	DURABILITY OF BUILDING MATERIALS	(3-0-0)3	8	Compulsory
CVEL01	ELECTIVE I	(3-0-0)3	7	Elective
CVEL02	ELECTIVE II	(3-0-0)3	7	Elective
2nd Semester				
Course Code	Course Name	(T-A-L)C	ECTS	Course Type
CVEN662	CONSTRUCTION RISK MANAGEMENT	(3-0-0)3	8	Compulsory
CVEN648	REINFORCED SOIL STRUCTURES	(3-0-0)3	8	Compulsory
CVEL03	ELECTIVE III	(3-0-0)3	7	Elective
CVEN610	SEMINAR	(0-2-0)3	7	Compulsory
3rd Semester				
Course Code	Course Name	(T-A-L)C	ECTS	Course Type
CVEN620	QUALIFICATION EXAM	(0-2-0)0	30	Compulsory
4th Semester				
Course Code	Course Name	(T-A-L)C	ECTS	Course Type
CVEN600	THESIS	(0-2-0)0	30	Compulsory

Laboratory and Equipment Capacity (if applicable)

1. 200 kN Capacity Fully Automatic Compressive Strength Testing Machine
2. 20 kN Capacity Fully Automatic Flexural Testing Machine
3. Steel Tensile Testing System
4. Low Frequency Fatigue and Creep Testing System
5. Soil Permeability Determination Testing Machine (Constant Head and Falling Head)
6. Rheometer for Fresh Concrete
7. Sound Insulation Testing System
8. Concrete Cover, Stirrup, and Rebar Diameter Determination Testing System
9. Rust Measurement Testing System
10. Three-Dimensional Concrete Tomography Testing System
11. Thermal Conductivity Testing System
12. Fully Automatic CBR-Marshall Testing System
13. Fully Automatic Pole Shear Testing System
14. Fully Automatic Three-Dimensional Compression Testing System (For CD, CU, UU Tests)
15. Soil Settlement Parameters Determination Testing System
16. UU Three-Dimensional Compression Determination Device
17. Uniaxial Compression Determination Device
18. Consolidation Test System
19. Standard and Modified Compression Test System
20. Viscometer
21. Liquid Limit Device
22. Cement Fineness Device
23. Borehole and CBR Molds
24. Curing System for Concrete and Cement Paste Samples
25. Shelby Molds for Collecting Undisturbed Soil Samples
26. Hobart Mixer
27. Porcelain Vessels

28. Plastic Limit Apparatus
29. Standard Glass Vessels of Various Volumes
30. Melting Pot for Sulfur Head
31. Bernoulli's Theorem Demonstration
32. Impact of a Jet
33. Orifice and FreeJet Flow
34. Energy Loss in Pipes
35. Flow Channel
36. Osborne Reynolds' Demonstration
37. Flowmeter Demonstration
38. Energy Loss in Bends
39. Free and Forced Vortices
40. Schmidt Hammer
41. Ultrasonic Testing Machine (Pundit)
42. Loading Unit
43. Caliper
44. Automatic Theodolite
45. Total Station
46. CL-2000 Chloride Field Test
47. Maturity Meter
48. Ultrasonic Testing System
49. Windsorprobe Testing System
50. GNSS (GPS) Measuring Device
51. Vicat Apparatus
52. Hand Compression Apparatus
53. Cube, Cylinder, and Beam Moulds of Various Volumes
54. Desiccator
55. Flow Table Apparatus
56. Specific Gravity Determination Test Apparatus
57. Sintering Furnace (1450 °C)
58. Standard Sieve Sets (For Coarse and Fine Aggregate Samples) and Sieve Shakers
59. Concrete Air Content Determination Apparatus
60. Vibration Table
61. Jolting Table
62. Aggregate Impact Strength Test Apparatus
63. Aggregate Crushing Test Apparatus
64. Slump Cone
65. Hydrometer Test System
66. 300 kN Capacity Fully Automatic Compressive Strength Device
67. Grinding Apparatus
68. Standard Oven
69. Los Angeles Abrasion Device
70. Compaction Factor Device
71. Vebe Device
72. Concrete Permeability Determination Test System
73. Air Compressor

74. Standard Chemicals
75. Sample Extractor
76. Le Chatlier Mould
77. Steam Tank
78. Core Drilling Device
79. Tool Box
80. Pure Water Production Device

Career Opportunities

Graduates of the PhD Program in Civil Engineering gain advanced knowledge and research competence, enabling them to pursue diverse career paths in academia, industry, and the public sector. Program alumni may work in the following areas:

- **Academic Career:** Serve as faculty members, researchers, or academic administrators at universities, and take part in national and international scientific projects.
- **Research and Development (R&D):** Work as R&D specialists in civil engineering-related research centers, governmental institutions, or private sector organizations.
- **Industry and Project Management:** Lead and manage large-scale infrastructure, construction, transportation, energy, and environmental engineering projects.
- **Consultancy and Expertise:** Provide engineering consultancy services to national and international companies, with expertise in sustainability, risk management, geotechnical and structural safety.
- **Policy and Strategy Development:** Contribute to the development of civil engineering-related policies in governmental agencies and international organizations.

Graduates of this program are equipped not only for professional engineering careers but also for significant roles in **academic research, technological innovation, and projects that serve society.**

Contact Details

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COURSE CATALOGUE DESCRIPTIONS

1st Semester

CVEN631 Fiber Reinforced Concrete Applications

Fundamental principles of Fiber Reinforced Concrete (FRC) and history of FRC, a description of fiber types, manufacturing methods, mix proportioning and mixing methods, installation practices, physical properties, durability, design considerations, applications, and research needs.

CVEN633 Durability of Building Materials

Factors causing deterioration of materials. Durability of building stones. Decay and preservation of timber. Mechanisms of metal corrosion. Corrosion protection for metals. Deterioration of concrete. Mechanisms of concrete corrosion. Effect of various chemicals, sea water, ground water and industrial wastes. Protective measures against concrete corrosion. Corrosion of steel reinforcement in concrete.

2nd Semester

CVEN662 Construction Risk Management

Risk analysis and management, quantitative techniques for project risk analysis, application of risk management, information technology for risk management, risk in estimating, management financial risk in major construction projects, contract strategy, dealing with risk in contracts, tenders-the risk to clients and contractors, case studies.

CVEN648 Reinforced Soil Structures

Reinforced soil structures are geotechnical systems consisting of reinforcing elements and primarily include mechanically stabilized earth (MSE) walls and reinforced soil slopes (RSS). The use of MSE walls and RSS have progressively grown over the last four decades due to advantages they provide compared to alternative soil-retaining structural systems. The cost-effectiveness and simplicity of the construction technique, speed of construction and flexibility of reinforced soil structures are among the benefits that make the technology popular and very attractive. MSE walls and RSS can be reinforced using metallic and geosynthetic-reinforcement materials. This course, focuses on analysis and design of geosynthetic-, particularly geogrid-, reinforced structures.

CVEN610 Seminar

The expression of the subject, objectives and the discussions on the related theoretical issues, presentation of the consequences, the discussions of the thesis in regard to contemporary developments in engineering.

3rd and 4th Semester

CVEN500 Thesis

Program of research leading to M.Sc. Degree, arranged between student and an assigned faculty member. Students register to this course in all semesters starting from the beginning of their second semester while the research program or write-up of the thesis is in progress.

ELECTIVE COURSES

CE630 Special Topics in Civil Engineering

Selected topics related to civil engineering involving theory, practice and research on current civil engineering problems. This course provides topics of various branches such as materials, transportation, soil mechanics, structure, which may vary every semester.

CE645 Coastal Structures

Following some basic wave climate parameters, design processes of coastal structures (i.e. different types of breakwaters, quays, vertical walls and rubble mounds) including their components will be discussed. Further discussions will include wave forces on seawalls, revetments and groins and circular cylinder pier and decks and design of concrete block quaywalls, sheet pile walls and piled quay walls.

CVEN656 Structural Dynamics

Theory of plasticity and its application to structural design. The behavior of steel structures beyond the elastic limit and till collapse. Study of component parts of frames: methods of predicting strength and deformation in the plastic range. Plastic design of multistorey frames. Comparison of conventional design methods with plastic design techniques.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF CLINICAL PHARMACY

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded: PhD in Clinical Pharmacy

Duration of Studies: 2 years lectures + 2 years thesis

Total Credits / ECTS –Min 21 credits/240 ECTS

Language of Instruction-English

Mission and Vision

The mission of a PhD program in Clinical Pharmacy is to develop independent researchers, expert practitioners, and innovative leaders capable of generating new knowledge in pharmaceutical care and advancing patient-centered, evidence-based therapy. These programs aim to train specialists who bridge the gap between clinical research and practice.

PhD program in Clinical Pharmacy is designed to train pharmacists as independent researchers, academic leaders, and expert clinicians capable of improving patient outcomes through evidence-based practice and, innovative research. The vision for these programs centres on transitioning from traditional, product-focused pharmacy to a patient-centered, research-intensive model that addresses complex, modern health challenges

Program Objectives

A PhD in Clinical Pharmacy aims to cultivate expert researchers and specialized practitioners capable of advancing patient-centered care and medication optimization through original research. Objectives focus on developing skills in evidence-based medicine, pharmacotherapy research, pharmacovigilance, and health policy analysis to improve patient outcomes and innovate pharmacy practice.

Program Learning Outcomes

Key learning outcomes include developing specialized knowledge in pharmacotherapy, mastering research methodologies, improving patient outcomes, and leading in interprofessional clinical settings.

- **Research & Analytical Skills:** Graduates will be able to formulate research hypotheses, design and execute rigorous studies (including clinical trials or epidemiological studies), and analyze complex data to inform clinical practice.
- **Advanced Clinical Practice:** Candidates will demonstrate the ability to apply advanced pharmacological principles to optimize patient care, manage complex medication regimens, and improve health outcomes.
- **Evidence-Based Decision Making:** Ability to critically evaluate scientific literature and apply evidence-based medicine (EBM) principles to clinical guidelines, algorithms, and protocols.

- **Academic & Professional Leadership:** Graduates will be equipped to lead in clinical education, mentor practitioners, publish in peer-reviewed journals, and contribute to policy development.
- **Interprofessional Collaboration:** Development of skills to work effectively within multidisciplinary teams to enhance patient safety and care quality.
- **Ethical & Scientific Integrity:** Proficiency in conducting research according to ethical standards and good clinical practices.

Targeted Specialized Skills

- **Pharmacotherapy Expertise:** Deep understanding of disease management, individualized therapy, and clinical pharmacology.
- **Methodology Proficiency:** Competence in study design, biostatistical analysis, and translational research techniques.
- **Technology & Data Use:** Capability to integrate digital health tools, informatics, and database management into practice.
- **Communication:** Ability to communicate complex clinical and research findings to professional and academic audiences.

Curriculum

1st Year

Fall Semester

CLPH601 Hospital Pharmacy (3,0) Credit 3, ECTS 8

CLPH603 Nutrition Pharmacy (3,0) Credit 3, ECTS 8

Elective I

CGCR501 Research Methods (3,0) Credit 3, ECTS 7

Elective II

CLPH607 Internal Diseases and Clinical Pharmacy (3,0) Credit 3, ECTS 7

CLPH 651 Rational Drug Use in Hospital (Elective III) (3,0) Credit 3, ECST 7

Spring Semester

CLPH602 CLINICAL PHARMACY AND PHARMACOTHERAPY, (3,0) Credit 3, ECST 8

CLPH 606 Drug Interactions (3,0) Credit 3, ECST 8

CLPH 610 Seminar (0,0) Credit 0,7 ECTS

ELECTIVE III

CGCR602 Data Analysis (Elective II) (3,0) Credit 3, ECST

2nd Year

Fall Semester

CLPH 650 Qualification Examination (0,0) Credit 0

Spring Semester

CLPH 650 Qualification Examination (0,0) Credit 0

3rd Year

Fall Semester

CLPH 650 Qualification Examination (0,0) Credit 0

Spring Semester

CLPH 650 Qualification Examination (0,0) Credit 0

4th Year**Fall Semester**

CLPH 650 Qualification Examination (0,0) Credit 0

Spring Semester

CLPH 650 Qualification Examination (0,0) Credit 0

Career Opportunities

Pharmacists who graduate from this programme in pharmacy can work in hospital pharmacy, hospital inpatient services or clinics, Community pharmacies, as an academic staff in a national and international universities, educational and research fields and organizations, such as drug and poison centers, pharmaceutical industry, pharmaceutical consultancy companies and professional organizations

Contact Information

Head of PhD Programme

Dr Ayşe Gökyiğit: agokyigit@eul.edu.tr

COURSE CATALOGUE DESCRIPTIONS

CLPH601 Hospital Pharmacy: Hospital pharmacy courses provide specialized training in medication management, clinical pharmacy services, and institutional drug distribution within healthcare facilities.

CLPH603 Nutrition Pharmacy: The primary aim of a nutrition pharmacy course is to equip pharmacists and pharmacy students with the necessary knowledge, skills, and confidence to integrate nutritional science into their clinical practice. These courses focus on bridging the gap between pharmacology and nutrition to enhance patient care, promote health, and prevent, manage, or treat chronic diseases through dietary and lifestyle interventions

CLPH607 Internal Diseases and Clinical Pharmacy: To train pharmacists to optimize patient care by managing medication therapy for acute and chronic conditions. The curriculum integrates pathophysiology, diagnosis, and treatment, emphasizing evidence-based medicine, patient counseling, and multidisciplinary collaboration. Key areas include cardiovascular, endocrine, renal, and respiratory disorders, often utilizing case-based learning.

CGCR501 Research Methods: The primary aim of a Research Methods course is to equip students with the essential knowledge, skills, and ethical understanding required to plan, conduct, analyze, and report scientific research. It prepares students to formulate research questions, select appropriate qualitative or quantitative methodologies, analyze data, and critically evaluate literature.

CGCR 602 Data Analysis: The primary aim of a data analysis course is to equip learners with the skills to transform raw, often unstructured, data into meaningful, actionable insights that drive informed decision-making across various industries. These courses generally focus on bridging the gap between theoretical data concepts and practical, real-world application, covering the entire data lifecycle from collection to interpretation.

CLPH 651 Rational Drug Use in Hospital: The main aim of a Rational Drug Use (RDU) in Hospital course is to ensure that patients receive medications appropriate to their clinical needs, in doses that meet their own individual requirements, for an adequate period of time, and at the lowest cost to them and their community. Specifically, the course aims to improve prescribing, dispensing, and patient adherence to maximize treatment efficacy while minimizing adverse drug events, waste, and costs.

CLPH602 Clinical Pharmacy and Pharmacotherapy: The aim of a Clinical Pharmacy and Pharmacotherapy course is to equip students with the knowledge and skills to optimize patient medication therapy, ensuring safe, effective, and rational drug use. It focuses on integrating clinical knowledge with patient-centered care, therapeutic decision-making, and disease management in various healthcare settings.

CLPH604 Pharmacoeconomics: The primary aim of a pharmacoeconomics course is to equip healthcare professionals, particularly pharmacists and researchers, with the knowledge and skills to identify, measure, and compare the value of pharmaceutical products, services, and interventions. It focuses on evaluating the **clinical, economic, and humanistic outcomes (ECHO model)** to promote rational drug use and optimize healthcare resource allocation.

CLPH 606 Drug Interactions: The primary aim of a drug interactions course is to equip healthcare professionals and students with the knowledge and skills to identify, prevent, and manage clinically significant drug-drug, drug-food, and drug-supplement interactions. The course focuses on understanding the underlying pharmacological mechanisms (pharmacokinetic/pharmacodynamic) to optimize patient safety, reduce toxicity, and ensure therapeutic efficacy through evidence-based practice

CLPH608 Clinical Pharmacy in Cardiovascular Diseases: The primary aim of a Clinical Pharmacy in Cardiovascular Diseases course is to equip pharmacists with the advanced knowledge, skills, and expertise necessary to optimize medication therapy, enhance patient safety, and improve clinical outcomes for individuals with cardiovascular diseases (CVD). This course prepares pharmacists to function as integral members of interprofessional healthcare teams in both inpatient (hospital) and ambulatory (community) settings.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF COMMUNICATION SCIENCES

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded

Communication Sciences – PhD

Duration of Studies

The PhD in Communication is structured as a full-time program over three academic years, consisting of at least 21 credits of coursework within the first three semesters, followed by a seminar, comprehensive examination, and dissertation research. Students advance to the dissertation stage after successfully completing coursework, the seminar, and the doctoral qualifying examination under the guidance of an appointed supervisor.

Total Credits / ECTS

21 Credits

Language of Instruction

English

Mission and Vision

Vision: To be a leading doctoral program in communication studies that contributes to the advancement of knowledge, fosters critical and innovative research, and prepares scholars capable of addressing global and local challenges in media, culture, and society.

The mission of the PhD in Communication program is to provide students with advanced theoretical and methodological knowledge, to support original and interdisciplinary research, and to cultivate responsible, ethical, and innovative scholars who will contribute to academia, industry, and society through critical inquiry, teaching, and practice.

Program Objectives

1. Provide students with a strong foundation in communication theories, research methods, and interdisciplinary perspectives.
2. Encourage critical and innovative approaches to the study of media, culture, and communication.
3. Prepare graduates for academic careers as researchers, educators, and thought leaders.
4. Develop advanced analytical and methodological skills for conducting original research.
5. Cultivate ethical awareness and social responsibility in communication research and practice.
6. Equip graduates to address complex global, national, and local communication challenges.
7. Foster academic writing, publishing, and presentation skills at an international level.
8. Strengthen the ability to integrate theoretical frameworks with practical applications in communication.
9. Promote interdisciplinary collaboration and knowledge production.
10. Contribute to the development of communication scholarship in both local and global contexts.

Program Learning Outcomes

1. Demonstrate advanced knowledge of key theories, concepts, and debates in communication, media, and cultural studies.
2. Design and conduct original research using appropriate qualitative and/or quantitative methodologies.
3. Critically analyze media texts, cultural practices, and communication processes within historical, social, political, and economic contexts.
4. Apply interdisciplinary approaches to complex communication issues.
5. Integrate theoretical and empirical perspectives to generate new insights and contributions to the field.
6. Present and publish scholarly work in international academic platforms with high standards of academic writing.
7. Demonstrate professional ethics, integrity, and responsibility in all stages of research and practice.
8. Engage in effective teaching, academic mentorship, and knowledge dissemination.
9. Collaborate across disciplines and cultures in academic and professional contexts.
10. Contribute to the advancement of communication studies by addressing emerging issues in media, culture, and society.

Curriculum

1. Year Fall			
Course Code	Course Name	Credit	ECTS
COMM601	Methodology Communication	In 3	8
COMN661	Quantitative Methods	3	8
CMEL01	Elective II[1]	3	7
CMEL02	Elective II[1]	3	7
Total Credit:12 ECTS:30			
1. Year Spring			
Course Code	Course Name	Credit	ECTS
BUSN614	Advanced Strategic Management Research	3	8
COMM608	Media And Politics	3	8
COMM610	Seminar	0	7
CMEL03	Elective III [1]	3	7
Total Credit:9 ECTS:30			
2. Year Fall			
Course Code	Course Name	Credit	ECTS
COMM620	QUALIFICATION EXAM	0	30
Total Credit:0 ECTS:30			
2. Year Fall			
Course Code	Course Name	Credit	ECTS
COMM600	Thesis	0	150

Career Opportunities

Graduates of the PhD in Communication program are well-prepared for careers in academia, research, and professional sectors. Possible career paths include:

- University faculty and academic researcher
- Media and cultural studies scholar
- Policy advisor in communication and media regulation
- Research consultant in media, culture, and communication industries
- Strategic communication and public policy expert
- Specialist in media, culture, and social transformation

Contact Information

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Assist. Prof. Dr. Esra AYDIN KILIÇ
Head of Department

COURSE CATALOGUE DESCRIPTIONS

COMM601 Methodology in Communication (3 Credits)

This course provides a comprehensive examination of research methodologies in communication studies. Topics include research design, sampling strategies, data collection techniques, data analysis, qualitative and quantitative approaches, and reporting procedures. Students will also explore the development of theoretical frameworks, academic writing conventions, and ethical principles in communication research. The aim of the course is to equip doctoral students with the methodological expertise necessary to conduct original, high-quality academic research in the field of communication.

COMN661 Quantitative Methods (3 Credits)

This course focuses on the principles and applications of quantitative research in communication studies. Topics include research design, hypothesis testing, measurement, sampling, surveys, experiments, and statistical analysis. Emphasis is placed on applying quantitative methods to communication problems, analyzing data with statistical tools, and interpreting findings within theoretical frameworks.

COMM608 Media and Politics (3 Credits)

This course examines the complex relationship between media and politics from theoretical, historical, and critical perspectives. It addresses the influence of mass media on political processes, public opinion formation, political discourse, propaganda, election campaigns, and political communication strategies. The course also considers the role of digital media in political participation, activism, and democratic processes. Students will develop the analytical skills needed to evaluate the media-politics nexus within cultural and global contexts.

BUSN614 Advanced Strategic Management Research (3 Credits)

This course examines advanced research approaches in strategic management with an emphasis on theories, models, and methodologies used in the field. It covers topics such as competitive strategy, corporate governance, resource-based view, dynamic capabilities, and global business strategy. Students focus on applying advanced research methods to analyze strategic problems and evaluate contemporary studies in management.

COMM610 Seminar

This course enables students to conduct research, write academic papers, and present their work in a scholarly setting. Emphasis is placed on research design, academic writing, presentation skills, and feedback.

ELECTIVE Media, Culture, and Communication Theories (3 Credits) An examination of the intersections of media, culture, and communication, with emphasis on theoretical developments and their application to contemporary debates in cultural and media studies.

ELECTIVE Film Aesthetics (3 Credits) Explores theories of aesthetics and visual analysis across cinema, photography, painting, architecture, dance, and sculpture, providing an interdisciplinary perspective on visual culture.

ELECTIVE Visual Analysis and Design Forms (3 Credits) Critically examines processes of production, circulation, and consumption of visual texts. Students develop perspectives on dominant and alternative ways of seeing, applying these insights in creative design processes.

ELECTIVE Strategic Marketing Communication (3 Credits) Focuses on integrated marketing communication, branding, image management, consumer behavior, campaign design, sponsorships, internet marketing, and ethics in marketing practices.

ELECTIVE Classical and Alternative Tendencies in Cinema (3 Credits) Analyzes cinema as an ideological construct by exploring classical narrative structures and their alternatives through schools of film and cinematic movements.

ELECTIVE Interactive Media (3 Credits) Explores human–computer interaction, societal adaptation of new media, and the cultural impact of social networks through case studies and theoretical frameworks.

ELECTIVE International Advertising (3 Credits) Investigates global advertising practices, adaptation strategies, branding, and consumer behavior with case studies of international campaigns.

ELECTIVE Globalization and Cultural Transformations (3 Credits) Examines globalization from cultural, political, economic, and ideological perspectives, focusing on cultural transformation and international organizations.

ELECTIVE World Cinema (3 Credits) Surveys world cinema historically, analyzing the role of national cinemas, the impact of Hollywood, and the influence of new technologies on film industries.

ELECTIVE Turkish Cinema Studies (3 Credits) Explores the history, structure, genres, and cultural dimensions of Turkish cinema, highlighting identity, narrative forms, and theoretical debates.

ELECTIVE Independent Study (3 Credits) Enables students to pursue an independent research or creative project under supervision, integrating theoretical and methodological knowledge.

ELECTIVE Alternative Media Studies (3 Credits) Analyzes independent, radical, and participatory media as alternatives to mainstream communication, focusing on concepts such as discourse, identity, and political consciousness.

ELECTIVE Lobbying and Media (3 Credits) Examines the role of lobbying in national and international contexts, with emphasis on media representation and case studies.

ELECTIVE Production Studio (3 Credits) A practice-based course where students create projects integrating theory and production, either research-driven or creative in nature.

ELECTIVE Social Responsibility, Volunteering, and NGOs (3 Credits) Introduces the role of Non-Governmental Organization (NGOs), civil society leadership, and volunteering, with analysis of social responsibility practices and case studies from Turkey and the world.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF COMPUTER ENGINEERING

PROGRAM INFORMATION

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PROGRAM INFORMATION

Program Name and Degree Awarded:

Computer Engineering / Doctor of Philosophy (Ph.D.)

Duration of Study:

4 Years (8 Semesters)

Total Credits:

21 Credits

Language of Instruction:

English

Mission and Vision

Mission

The mission of the Ph.D. program in Computer Engineering is to educate highly qualified researchers capable of conducting original, independent, and internationally competitive research in advanced areas of computer engineering, including artificial intelligence, machine learning, data science, and emerging technologies. The program aims to foster ethical responsibility, preparing graduates to contribute to the advancement of knowledge and technological innovation.

Vision

The vision of the Ph.D. program in Computer Engineering is to be a prominent doctoral program recognized for distinction in academic research, producing graduates who shape the future of computer engineering for society and industry.

Program Objectives

Graduates of the Ph.D. program in Computer Engineering are expected to:

1. Conduct original and high-impact research that advances the state of the art in computer engineering disciplines such as artificial intelligence, machine learning, and data science.
2. Develop novel theories, methodologies, or systems that address research problems.
3. Spread research findings through high-quality international journals and conferences.
4. Demonstrate ethical responsibility in research, teaching, and professional practice.

Program Learning Outcomes

Upon successful completion of the Ph.D. program, graduates will be able to:

1. Demonstrate comprehensive and in-depth knowledge of advanced and emerging areas of computer engineering.
2. Design, conduct, and manage independent and original research that contributes new knowledge to the field.
3. Develop theoretically grounded solutions to research and real-world problems.
4. Communicate research outcomes effectively through doctoral dissertations, publications, and conferences.

5. Exhibit the skills necessary for academic and research roles in higher education, research institutions, and advanced technology sectors.

Curriculum:

1st SEMESTER

COURSE CODE	COURSE NAME	Credits
COMP601	Advances in Computer Networks and Communications	3
COMP640	Special Topics in Artificial Intelligence	3
EE620	Information Theory	3
EE635	Selected Topics in Pattern Recognition	3
Total		12

2nd SEMESTER

COURSE CODE	COURSE NAME	Credits
COMP602	Evolutional Computing	3
COMP626	Selected Topics in Artificial Neural Networks	3
COMP690	Seminar	0
EE634	Adaptive Signal Processing	3
Total		9

3rd SEMESTER

COURSE CODE	COURSE NAME	Credits
COMP650	Qualifying Exam	0

4th SEMESTER

COURSE CODE	COURSE NAME	Credits
COMP630	Thesis	0

5th SEMESTER

COURSE CODE	COURSE NAME	Credits
COMP630	Thesis	0

6th SEMESTER

COURSE CODE	COURSE NAME	Credits
COMP630	Thesis	0

7th SEMESTER

COURSE CODE	COURSE NAME	Credits
COMP630	Thesis	0

8th SEMESTER

COURSE CODE	COURSE NAME	Credits
COMP630	Thesis	0

Laboratory and Equipment Capacity (if applicable):

Students have access to several up-to-date and well-resourced facilities, such as our Physics Laboratory, General Computer Laboratories, Electronics Laboratory, Control Laboratory, Communication Systems Laboratory, Digital Electronics and Microprocessor Laboratory, Computer-Aided Design Laboratory and Computer Networks Laboratory. The Department of Computer Engineering uses the laboratories listed in the Table below.

Table. The Faculty of Engineering Laboratories used by the Computer Engineering Department

Laboratory Name	Student Capacity	Area (m2)
Electrical, Electronics and Digital Laboratory	40	100
Electric Machinery and Power Laboratory	20	100
Microwave and Antennas Laboratory	20	70
Communications Laboratory	24	80
Microprocessors Laboratory	24	70
Control Systems Laboratory	20	70
Computer Laboratory	30	42
Research Laboratory	20	60
Chemistry Laboratory	30	100
Physics Laboratory	30	75
3D Design Laboratory	15	80
Macintosh Laboratory	30	70

Career Opportunities:

Graduates of the Ph.D. program in Computer Engineering are well prepared for advanced professional and academic careers that require high-level expertise and independent research capability. Career opportunities include faculty positions such as Assistant Professor, Associate Professor, and Professor at universities and higher education institutions. Research scientist positions in national and international research centers and advisory positions in government and public sector are also available.

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COURSE CATALOGUE DESCRIPTIONS:

COMP601 Advances in Computer Networks and Communications

Topics include advanced network architectures, software-defined networking (SDN), network function virtualization (NFV), cloud and edge networking, Internet of Things (IoT) communications, wireless and mobile networks (5G/6G), network security and privacy, quality of service (QoS), traffic engineering, and network performance modeling and analysis.

COMP602 Evolutionary Computing

Topics include genetic algorithms, genetic programming, evolutionary strategies, principles of genetic algorithms, comparisons with similar approaches, mathematical foundations: schema theorem, building block hypothesis, encoding, fitness functions, fitness scaling. Genetic operators: crossing-over, mutation, reproduction, selection techniques. Advanced operators, parallel genetic algorithms. Island models. Application of statistical methods used in population genetics.

COMP626 Special Topics in Artificial Neural Networks

Topics include deep neural networks, convolutional and recurrent neural networks, attention and transformer models, optimization techniques, explainability, robustness, and modern applications of neural networks.

COMP640 Special Topics in Artificial Intelligence

Topics include advanced machine learning methods, deep learning architectures, reinforcement learning, explainable and trustworthy AI, generative models, multi-agent systems, ethical and societal implications of AI, and AI applications in complex real-world domains.

EE620 Information Theory

Core topics include measures of information and uncertainty, entropy and mutual information, source coding and data compression, channel capacity, channel coding theorems, rate-distortion theory, and multi-user information theory and applications of information theory in machine learning and data science.

EE634 Adaptive Signal Processing

Topics include adaptive filtering theory, stochastic gradient and least-squares methods, LMS and RLS algorithms, Kalman filtering, adaptive beamforming, and time-varying spectral analysis. Advanced topics may cover nonlinear and robust adaptive algorithms, sparse and distributed adaptive signal processing, adaptive signal processing for wireless communications, biomedical signals, radar and sonar systems, and machine learning-based adaptive methods.

EE635 Selected Topics in Pattern Recognition

Topics include probability (distributions), Bayes Decision Theory, parametric methods, dimensionality Reduction, clustering, decision trees, linear discrimination (Support Vector Machines), multilayer perceptrons (Two-class and multiclass), assessing and comparing classification algorithms (cross validation, hypothesis testing, combining multiple learners (bagging, boosting, voting).

COMP630 Thesis

The Ph.D. Thesis is an original research contribution to the field. Under the supervision of a faculty advisor, students are required to identify a significant research problem and produce new knowledge that advances theory, methodology, or application areas within computer engineering. The doctoral thesis must be documented in a dissertation that is defended successfully before a jury. The research outcomes are expected to be of publishable quality in reputable peer-reviewed journals.

COMP690 Seminar

The course provides a platform for students to present, evaluate, and discuss advanced research topics related to their doctoral studies in computer engineering. Students are required to conduct in-depth literature reviews and present their research progress. The course supports the academic presentation skills and research ethics awareness.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF ORTHODONTICS

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded

Orthodontics, Doctor of Philosophy (PhD)

Duration of Studies

4 Years (8 Semesters)

Total Credits / ECTS

21 Theoretical credit hours and 20 Application credit hours / 240 ECTS

Language of Instruction

English

Mission and Vision

Mission

The mission of the PhD Program in Orthodontics is to educate highly qualified clinician-scientists and researchers with advanced theoretical knowledge, clinical competence, and research skills in orthodontic diagnosis, craniofacial growth and development, and orthodontic treatment modalities. The program aims to promote scientific thinking, ethical responsibility, and innovation in the prevention, interception, and correction of dentofacial anomalies. Through evidence-based education and interdisciplinary collaboration, the program supports the generation of original scientific research that contributes to the advancement of orthodontic science at national and international levels.

Vision

The vision of the PhD Program in Orthodontics is to become a nationally and internationally recognized center of excellence in advanced orthodontic education and research. The program aspires to lead innovation by integrating contemporary diagnostic tools, digital orthodontic technologies, growth modification strategies, and interdisciplinary surgical approaches into doctoral training. By fostering academic leadership, global collaboration, and lifelong learning, the program aims to train future academics and researchers who contribute to evidence-based orthodontic care and the improvement of facial esthetics and function.

Program Objectives

The objectives of the PhD Program in Orthodontics are to:

- Provide advanced theoretical and clinical knowledge in orthodontic diagnosis, craniofacial growth, and dentofacial anomalies.
- Develop independent research skills in orthodontic treatment methods, growth modification, and relapse prevention.
- Foster critical evaluation of complex orthodontic cases using scientific and clinical methodologies.
- Promote the integration of contemporary orthodontic technologies and interdisciplinary approaches into research and clinical practice.
- Encourage the production of original scientific research that contributes to evidence-based orthodontics.

Program Learning Outcomes

In general, graduates of the PhD program in Dentistry will be able to:

PO1. Demonstrate advanced and systematic knowledge in dental sciences and their selected specialty area.

PO2. Design, conduct, and manage original scientific research that contributes new knowledge to dentistry.

PO3. Critically analyze, synthesize, and interpret complex scientific data using appropriate qualitative and

quantitative research methods.

PO4. Apply evidence-based dentistry principles to clinical and academic decision-making.

PO5. Publish research findings in high-impact, peer-reviewed international journals and present them at scientific meetings.

PO6. Demonstrate advanced academic writing, scientific communication, and presentation skills in English.

PO7. Adhere to ethical principles in research, clinical practice, patient rights, and academic integrity.

PO8. Contribute to undergraduate and postgraduate dental education through teaching, supervision, and mentoring.

PO9. Collaborate effectively in interdisciplinary and international research teams.

PO10. Show leadership, independence, and responsibility in academic, clinical, and research environments.

Graduates of the PhD Program in Orthodontics will be able to:

ORTHO-PO1. Demonstrate advanced knowledge of craniofacial growth, development, and orthodontic biomechanics.

ORTHO-PO2. Design and conduct research in orthodontic appliances, aligner therapy, and digital orthodontics.

ORTHO-PO3. Critically analyze cephalometric, 3D imaging, and biometric data.

ORTHO-PO4. Integrate interdisciplinary approaches in orthodontic research and treatment planning.

ORTHO-PO5. Contribute to evidence-based advancements in orthodontic diagnosis and therapy.

Curriculum

The curriculum consists of compulsory theoretical courses, dental clinic courses, laboratory-based research, doctoral seminars, and dissertation research. Courses are structured to support advanced clinical competence, interdisciplinary collaboration, and independent scientific inquiry in orthodontics.

During the first two years of the program, students complete all required coursework and present at least one doctoral seminar. By the end of the fourth semester, students are required to successfully pass the doctoral qualification examination. In the fifth semester, the planning and initiation of the doctoral thesis research take place, and students are expected to publish their research as at least one article in a peer-reviewed scientific journal. The program is completed with the successful defense of the doctoral thesis by the end of the eighth semester.

This table shows the courses and their credits taken in PhD program of Orthodontics.

Semester 1			Semester 2		
Course Code	Course Name	Credit	Course Code	Course Name	Credit
CGCR601	Research Methods	(3,0) 3	CGCR602	Data Analysis	(3,0) 3
DENT621	Examination and Diagnosis in Orthodontics	(3,0) 3	DENT646	Fixed & Removable Orthodontic Treatment Methods and Relaps	(3,0) 3
DENT623	Craniofacial Growth and Development	(3,0) 3	DENT638	Orthognathic Surgical Applications	(3,0) 3
DENT625	Dental Clinic I	(0,10) 0	DENT626	Dental Clinic II	(0,10) 0
Semester 3			Semester 4		
DENT628	Preventive and Interceptive Orthodontic Approaches	(3,0) 3	DENT650	Qualification Exam	(0,0) 0
DENT690	Seminar	(0,0) 0			
Semester 5 , 7			Semester 6 , 8		
DENT600	Thesis	(0,0) 0	DENT600	Thesis	(0,0) 0
Total				21 ECTS	

Laboratory and Equipment Capacity

The PhD Program in Orthodontics is supported by comprehensive clinical, laboratory, and research infrastructure designed to facilitate advanced education, experimental research, and evidence-based orthodontic training.

The program has access to fully equipped orthodontic clinics furnished with modern dental units, orthodontic instruments, and appliances for fixed and removable orthodontic treatments. Facilities include digital imaging systems, intraoral and extraoral photography equipment, and cephalometric analysis tools to support diagnosis, treatment planning, and outcome evaluation.

Advanced diagnostic and imaging facilities, including digital radiography, Cephalometric, cone-beam computed tomography (CBCT), and three-dimensional imaging and analysis software, support comprehensive orthodontic assessment and interdisciplinary treatment planning.

Preclinical orthodontic laboratories support appliance fabrication, wire bending, aligner systems, and experimental studies related to orthodontic biomechanics.

The program also benefits from research and data analysis facilities, including computer laboratories equipped with licensed statistical, imaging, and digital orthodontic software to support doctoral-level research and scientific reporting.

This integrated infrastructure ensures that doctoral students acquire advanced clinical competence and research expertise while promoting innovation and excellence in orthodontic education and research.

Career Opportunities

Graduates of the PhD Program in Orthodontics may pursue careers as:

- Academic staff members in dental faculties and research universities
- Orthodontic consultants in hospitals and advanced dental clinics
- Research scientists in orthodontic biomechanics, craniofacial growth, and digital orthodontics
- Contributors to national and international orthodontic treatment guidelines
- Continuing education instructors and postgraduate trainers

Contact Information

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COURSE CATALOGUE DESCRIPTIONS

DENT621 Examination and Diagnosis in Orthodontics

This course provides advanced training in orthodontic patient evaluation and diagnosis. Topics include clinical examination, cephalometric analysis, dental and skeletal classification, facial analysis, and treatment planning. Emphasis is placed on integrating clinical findings with radiographic and photographic records to develop evidence-based orthodontic treatment plans.

DENT623 Craniofacial Growth and Development

This course examines the biological principles of craniofacial growth and development from infancy through adulthood. Topics include genetic and environmental influences, growth prediction, and clinical implications for orthodontic treatment timing. Emphasis is placed on growth modification strategies and interdisciplinary considerations.

DENT625 Dental Clinic I

This clinical course emphasizes supervised orthodontic treatment of patients requiring preventive, interceptive, and corrective orthodontic care. Students apply diagnostic and treatment planning principles, appliance selection, and treatment mechanics under academic supervision. Emphasis is placed on patient management, documentation, and ethical practice.

DENT646 Fixed and Removable Orthodontic Treatment Methods and Relapse

This course covers advanced fixed and removable orthodontic treatment modalities, including biomechanics, appliance systems, and treatment sequencing. Topics related to retention, stability, and relapse prevention are emphasized. Students critically evaluate treatment outcomes and long-term stability based on current scientific evidence.

DENT638 Orthognathic Surgical Applications

This course provides advanced knowledge of orthognathic surgery as it relates to orthodontic treatment. Topics include diagnosis of skeletal discrepancies, surgical–orthodontic treatment planning, cephalometric prediction, and interdisciplinary collaboration with oral and maxillofacial surgery. Emphasis is placed on functional and esthetic outcomes.

DENT626 Dental Clinic II

This course builds upon Dental Clinic I and focuses on independent clinical performance in complex surgical cases. Students manage advanced surgical procedures, complications, and postoperative care. Emphasis is placed on outcome evaluation, ethical practice, and integration of scientific evidence into surgical decision-making.

DENT628 Preventive and Interceptive Orthodontic Approaches

This course provides advanced knowledge of orthognathic surgery as it relates to orthodontic treatment. Topics include diagnosis of skeletal discrepancies, surgical–orthodontic treatment planning, cephalometric prediction, and interdisciplinary collaboration with oral and maxillofacial surgery. Emphasis is placed on functional and esthetic outcomes.



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EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF ORAL & MAXILLOFACIAL SURGERY

PROGRAM INFORMATION

PROGRAM INFORMATION

Program Name and Degree Awarded

Oral and Maxillofacial Surgery, Doctor of Philosophy (PhD)

Duration of Studies

4 Years (8 Semesters)

Total Credits / ECTS

21 Theoretical credit hours and 20 Application credit hours /240 ECTS

Language of Instruction

English

Mission and Vision

Mission

The mission of the PhD Program in Oral and Maxillofacial Surgery is to educate highly qualified surgeon-scientists and researchers with advanced theoretical knowledge, surgical competence, and research skills in oral and maxillofacial surgery. The program aims to promote scientific thinking, ethical responsibility, and innovation in the diagnosis, surgical management, and rehabilitation of oral and maxillofacial conditions. Through evidence-based education and interdisciplinary collaboration, the program supports the generation of original scientific research that contributes to the advancement of oral and maxillofacial surgery at national and international levels.

Vision

The vision of the PhD Program in Oral and Maxillofacial Surgery is to become a nationally and internationally recognized center of excellence in advanced surgical education and research. The program aspires to lead innovation by integrating contemporary surgical techniques, implantology, trauma management, and orthognathic surgery into doctoral training. By fostering academic leadership, global collaboration, and lifelong learning, the program aims to train future academics and researchers who contribute to evidence-based surgical practice and the continuous improvement of patient care in oral and maxillofacial surgery.

Program Objectives

The objectives of the PhD Program in Oral and Maxillofacial Surgery are to:

- Provide advanced theoretical and clinical knowledge in oral and maxillofacial anatomy, surgery, and rehabilitation.
- Develop independent research skills in maxillofacial surgery, implantology, trauma management, and orthognathic procedures.
- Foster critical evaluation of complex surgical cases using scientific and clinical methodologies.
- Promote the integration of contemporary surgical technologies and evidence-based approaches into clinical practice and research.
- Encourage the production of original scientific research that contributes to evidence-based oral and maxillofacial surgery.

Program Learning Outcomes

In general, graduates of the PhD program in Dentistry will be able to:

- PO1.** Demonstrate advanced and systematic knowledge in dental sciences and their selected specialty area.
 - PO2.** Design, conduct, and manage original scientific research that contributes new knowledge to dentistry.
 - PO3.** Critically analyze, synthesize, and interpret complex scientific data using appropriate qualitative and quantitative research methods.
 - PO4.** Apply evidence-based dentistry principles to clinical and academic decision-making.
 - PO5.** Publish research findings in high-impact, peer-reviewed international journals and present them at scientific meetings.
 - PO6.** Demonstrate advanced academic writing, scientific communication, and presentation skills in English.
 - PO7.** Adhere to ethical principles in research, clinical practice, patient rights, and academic integrity.
 - PO8.** Contribute to undergraduate and postgraduate dental education through teaching, supervision, and mentoring.
 - PO9.** Collaborate effectively in interdisciplinary and international research teams.
 - PO10.** Show leadership, independence, and responsibility in academic, clinical, and research environments.
- Graduates of the PhD Program in Oral and Maxillofacial Surgery will be able to:
- OMFS-PO1.** Demonstrate advanced theoretical knowledge of oral, maxillofacial, and craniofacial surgery.
 - OMFS-PO2.** Conduct independent research related to surgical techniques, biomaterials, trauma, pathology, or implantology.
 - OMFS-PO3.** Critically evaluate surgical outcomes and complications using scientific methodologies.
 - OMFS-PO4.** Integrate medical, surgical, and dental sciences in interdisciplinary research.
 - OMFS-PO5.** Contribute to innovation in surgical education, techniques, and patient safety.

Curriculum

The curriculum consists of compulsory theoretical courses, dental clinic courses, laboratory-based research, doctoral seminars, and dissertation research. Courses are designed to support advanced surgical training, interdisciplinary collaboration, and independent scientific inquiry.

During the first two years of the program, students complete all required coursework and present at least one doctoral seminar. By the end of the fourth semester, students are required to successfully pass the doctoral qualification examination. In the fifth semester, the planning and initiation of the doctoral thesis research take place, and students are expected to publish their research as at least one article in a peer-reviewed scientific journal. The program is completed with the successful defense of the doctoral thesis by the end of the eighth semester.

This table shows the courses and their credits taken in PhD program of Oral and Maxillofacial Surgery

Semester 1			Semester 2		
Course Code	Course Name	Credit	Course Code	Course Name	Credit
CGCR601	Research Methods	(3,0) 3	CGCR602	Data Analysis	(3,0) 3
DENT631	Maxillofacial (Surgery) Anatomy	(3,0) 3	DENT632	Dental Implantology	(3,0) 3
DENT633	Complications and Emergency Treatments in Dental Rehabilitation	(3,0) 3	DENT638	Orthognathic Surgical Applications	(3,0) 3
DENT637	Dental Clinic I	(0,10) 0	DENT636	Dental Clinic II	(0,10) 0
Semester 3			Semester 4		
DENT683	Dental and Maxillofacial Traumatology	(3,0) 3	DENT650	Qualification Exam	(0,0) 0
DENT690	Seminar	(0,0) 0			
Semester 5 , 7			Semester 6 , 8		
DENT600	Thesis	(0,0) 0	DENT600	Thesis	(0,0) 0
Total			21 ECTS		

Laboratory and Equipment Capacity

The PhD Program in Oral and Maxillofacial Surgery is supported by comprehensive clinical, surgical, and research infrastructure designed to facilitate advanced education, experimental research, and evidence-based surgical training.

The program has access to fully equipped oral and maxillofacial surgery clinics and operating rooms, including surgical units for dentoalveolar surgery, implant surgery, trauma management, and orthognathic procedures. Facilities include surgical instruments, piezosurgery units, implant systems, bone grafting materials, and advanced anesthesia and monitoring equipment.

Advanced diagnostic and imaging facilities, including digital radiography, cone-beam computed tomography (CBCT), and three-dimensional imaging software, support accurate diagnosis, surgical planning, and postoperative evaluation.

Preclinical and surgical simulation laboratories support skill development, surgical technique standardization, and experimental research in maxillofacial surgery.

The program also benefits from research and data analysis facilities, including computer laboratories equipped with licensed statistical and imaging software to support doctoral-level research and scientific reporting.

This integrated clinical and research capacity ensures that doctoral students acquire advanced surgical competence and research expertise while promoting innovation and excellence in oral and maxillofacial Surgery.

Career Opportunities

Graduates of the PhD Program in Oral and Maxillofacial Surgery may pursue careers as:

- Academic staff members in dental and medical faculties
- Oral and maxillofacial surgery consultants in hospitals and advanced surgical centers
- Research scientists in surgical sciences, implantology, and craniofacial research
- Contributors to national and international surgical guidelines and clinical protocols
- Continuing education instructors and postgraduate trainers

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COURSE CATALOGUE DESCRIPTIONS

DENT631 Maxillofacial (Surgery) Anatomy

This course provides advanced knowledge of head and neck anatomy with specific emphasis on structures relevant to oral and maxillofacial surgery. Topics include osteology, musculature, neurovascular structures, temporomandibular joint anatomy, and anatomical variations. Clinical correlations and surgical landmarks are emphasized to support safe and effective surgical practice.

DENT633 Complications and Emergency Treatments in Dental Rehabilitation

This course focuses on the prevention, diagnosis, and management of complications and medical emergencies encountered during dental and surgical procedures. Topics include intraoperative and postoperative complications, infection control, hemorrhage management, anesthetic complications, and medical emergencies. Emphasis is placed on clinical decision-making, patient safety, and evidence-based emergency protocols.

DENT637 Dental Clinic I

This clinical course emphasizes supervised surgical practice in oral and maxillofacial surgery. Students perform dentoalveolar surgical procedures, minor surgical interventions, and assist in advanced cases under academic supervision. Emphasis is placed on patient evaluation, surgical planning, aseptic techniques, and clinical documentation.

DENT632 Dental Implantology

This course provides advanced theoretical and clinical knowledge of dental implantology within oral and maxillofacial surgery. Topics include implant biomaterials, surgical anatomy, implant placement techniques, bone augmentation, and implant-supported rehabilitation. Risk assessment, complication management, and long-term outcomes are critically evaluated. Students critically evaluate current scientific evidence and clinical protocols related to implant prosthodontics.

DENT636 Dental Clinic II

This course builds upon Dental Clinic I and focuses on independent clinical performance in complex surgical cases. Students manage advanced surgical procedures, complications, and postoperative care. Emphasis is placed on outcome evaluation, ethical practice, and integration of scientific evidence into surgical decision-making.

DENT638 Orthognathic Surgical Applications

This course provides advanced knowledge of orthognathic surgery principles and techniques. Topics include craniofacial deformities, surgical planning, cephalometric analysis, virtual surgical planning, and postoperative management. Emphasis is placed on interdisciplinary collaboration with orthodontics and evidence-based evaluation of functional and esthetic outcomes.

DENT634 Dental and Maxillofacial Traumatology

This course covers the diagnosis and surgical management of dental and maxillofacial trauma. Topics include soft tissue injuries, dentoalveolar trauma, facial fractures, and emergency management protocols. Emphasis is placed on interdisciplinary collaboration, treatment planning, and long-term functional and esthetic outcomes.



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EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF PEDODONTICS

PROGRAM INFORMATION

PROGRAM INFORMATION

Program Name and Degree Awarded

Pedodontics, Doctor of Philosophy (PhD)

Duration of Studies

4 Years (8 Semesters)

Total Credits / ECTS

21 Theoretical credit hours and 20 Application credit hours / 240 ECTS

Language of Instruction

English

Mission and Vision

Mission

The mission of the PhD Program in Pedodontics is to educate highly qualified clinician-scientists and researchers with advanced knowledge, clinical competence, and research skills in pediatric oral health care. The program aims to promote scientific thinking, ethical responsibility, and innovation in the prevention, diagnosis, and treatment of oral and dental diseases in children and adolescents. Through evidence-based education and interdisciplinary collaboration, the program supports the generation of original scientific research that contributes to the advancement of pediatric dentistry at national and international levels.

Vision

The vision of the PhD Program in Pedodontics is to become a nationally and internationally recognized center of excellence in advanced pediatric dental education and research. The program aspires to lead innovation by integrating contemporary diagnostic methods, preventive strategies, behavior management techniques, and minimally invasive treatment approaches into doctoral training. By fostering academic leadership, global collaboration, and lifelong learning, the program aims to train future academics and researchers who contribute to improving oral health outcomes and quality of life for children.

Program Objectives

The objectives of the PhD Program in Pedodontics are to:

- Provide advanced theoretical and clinical knowledge in child oral health, growth and development, and pediatric dental diseases.
- Develop independent research skills in preventive dentistry, restorative materials, pulp therapies, and behavior management in children.
- Foster critical evaluation of complex pediatric dental cases using scientific and clinical methodologies.
- Promote the integration of contemporary technologies and minimally invasive approaches into pediatric dental research and practice.
- Encourage the production of original scientific research that contributes to evidence-based pediatric dentistry.

Program Learning Outcomes

In general, graduates of the PhD program in Dentistry will be able to:

PO1. Demonstrate advanced and systematic knowledge in dental sciences and their selected specialty area.

PO2. Design, conduct, and manage original scientific research that contributes new knowledge to dentistry.

PO3. Critically analyze, synthesize, and interpret complex scientific data using appropriate qualitative and quantitative research methods.

PO4. Apply evidence-based dentistry principles to clinical and academic decision-making.

PO5. Publish research findings in high-impact, peer-reviewed international journals and present them at scientific meetings.

PO6. Demonstrate advanced academic writing, scientific communication, and presentation skills in English.

PO7. Adhere to ethical principles in research, clinical practice, patient rights, and academic integrity.

PO8. Contribute to undergraduate and postgraduate dental education through teaching, supervision, and mentoring.

PO9. Collaborate effectively in interdisciplinary and international research teams.

PO10. Show leadership, independence, and responsibility in academic, clinical, and research environments.

Graduates of the PhD Program in Pedodontics will be able to:

PEDO-PO1. Demonstrate advanced knowledge of child oral health, growth, development, and behavior management.

PEDO-PO2. Design and conduct research related to preventive dentistry, dental trauma, and pediatric restorative techniques.

PEDO-PO3. Evaluate public health strategies and community-based pediatric oral health programs.

PEDO-PO4. Apply ethical and child-centered approaches in clinical research involving pediatric populations.

PEDO-PO5. Contribute to policy development and education in pediatric oral health.

Curriculum

The curriculum consists of compulsory theoretical courses, elective courses, dental clinic courses, laboratory-based research, doctoral seminars, and dissertation research. Courses are structured to support interdisciplinary learning, advanced clinical competence, and independent scientific inquiry in pediatric dentistry.

During the first two years of the program, students complete all required coursework and present at least one doctoral seminar. By the end of the fourth semester, students are required to successfully pass the doctoral qualification examination. In the fifth semester, the planning and initiation of the doctoral thesis research take place, and students are expected to publish their research as at least one article in a peer-reviewed scientific journal. The program is completed with the successful defense of the doctoral thesis by the end of the eighth semester.

This table shows the courses and their credits taken in PhD program of Pedodontics

Semester 1			Semester 2		
Course Code	Course Name	Credit	Course Code	Course Name	Credit
CGCR601	Research Methods	(3,0) 3	CGCR602	Data Analysis	(3,0) 3
DENT671	Primary Examination, Radiologic Examination and Diagnosis Methods In Children	(3,0) 3	DENT672	Pulp Treatment in Primary and Permanent Teeth	(3,0) 3
DENT673	Pediatric Restorative Techniques and Materials	(3,0) 3	DENT676	Dental Clinic II	(0,10) 0
DENT677	Nutrition and Other Etiologies of Ecc	(3,0) 3			
DENT675	Dental Clinic I	(0,10) 0			
Semester 3			Semester 4		
DENT628	Preventive and Interceptive Orthodontic Approaches	(3,0) 3	DENT650	Qualification Exam	(0,0) 0
DENT690	Seminar	(0,0) 0			
Semester 5 , 7			Semester 6 , 8		
DENT600	Thesis	(0,0) 0	DENT600	Thesis	(0,0) 0
Total			21 ECTS		

Laboratory and Equipment Capacity

The PhD Program in Pedodontics is supported by comprehensive laboratory, clinical, and research infrastructure designed to facilitate advanced education, experimental research, and evidence-based clinical training in pediatric dentistry.

The program has access to biomaterials and dental research laboratories equipped for mechanical, physical, chemical, and biological testing of restorative and preventive dental materials used in pediatric patients. These laboratories support standardized testing in accordance with international guidelines (ISO/ADA).

Fully equipped pedodontic dental clinics provide advanced clinical training and research opportunities. Clinical units are designed specifically for children and include age-appropriate dental units, behavior management aids, sedation and local anesthesia equipment, and preventive dentistry tools. These facilities allow doctoral students to manage complex pediatric cases, conduct outcome-based clinical research, and apply contemporary treatment protocols under academic supervision.

Preclinical simulation laboratories with pediatric dental simulators support skill development, technique standardization, and experimental procedure testing.

The program also benefits from research and data analysis facilities, including computer laboratories equipped with licensed statistical software to support doctoral-level data interpretation and scientific reporting.

This integrated laboratory and clinical capacity ensures that doctoral students acquire advanced research competence and clinical expertise while promoting innovation and excellence in pediatric dentistry.

Career Opportunities

Graduates of the PhD Program in Pedodontics may pursue careers as:

- Academic staff members in dental faculties and research universities
- Specialist pediatric dental consultants in hospitals and advanced dental clinics
- Research scientists in preventive dentistry, dental materials, and child oral health
- Contributors to national and international pediatric oral health policies and clinical guidelines
- Continuing education instructors and postgraduate trainers

Contact Information

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COURSE CATALOGUE DESCRIPTIONS

DENT671 Primary Examination, Radiologic Examination and Diagnosis Methods in Children

This course provides advanced training in comprehensive clinical examination, radiologic assessment, and diagnostic methods used in pediatric dentistry. Topics include child-specific history taking, clinical examination techniques, growth and development considerations, and interpretation of conventional and digital radiographic images. Emphasis is placed on radiation protection principles, age-appropriate imaging selection, and accurate diagnosis of dental and maxillofacial conditions in children. Students develop the ability to integrate clinical and radiologic findings into evidence-based diagnostic and treatment planning.

DENT673 Pediatric Restorative Techniques and Materials

This course focuses on advanced restorative approaches and material selection for the management of dental caries and structural defects in primary and permanent teeth. Topics include adhesive restorative techniques, glass ionomer cements, resin composites, stainless steel crowns, and esthetic pediatric restorations. Emphasis is placed on minimally invasive dentistry, caries-risk-based treatment planning, and long-term clinical performance of restorative materials. Students critically evaluate contemporary research and clinical protocols relevant to pediatric restorative care.

DENT675 Dental Clinic I

This clinical course emphasizes supervised clinical practice in pediatric dentistry, focusing on preventive, restorative, and pulp therapy procedures in children. Students apply behavior management techniques, clinical examination skills, and evidence-based treatment planning under academic supervision. Emphasis is placed on patient safety, communication with children and caregivers, and accurate clinical documentation. Case discussions and outcome evaluations are integral components of the course.

DENT677 Nutrition and Other Etiologies of ECC

This course examines the multifactorial etiology of early childhood caries, with emphasis on dietary habits, feeding practices, and other biological, behavioral, and socio-environmental factors. Topics include the role of nutrition, sugar consumption, oral microbiota, saliva, and caregiver behaviors in caries development. Preventive strategies, risk assessment, and community-based interventions are discussed based on current scientific evidence. The course emphasizes the integration of preventive counseling into pediatric dental practice.

DENT672 Pulp Treatment in Primary and Permanent Teeth

This course covers biological principles and clinical approaches to vital pulp therapy in primary and permanent dentition. Topics include pulp capping, pulpotomy, apexogenesis, apexification, and regenerative endodontic procedures. Indications, materials, techniques, and long-term outcomes are discussed based on contemporary scientific evidence. Emphasis is placed on treatment planning, case selection, and the biological rationale behind different therapeutic approaches.

DENT676 Dental Clinic II

This course builds upon Dental Clinic I and focuses on independent clinical management of complex pediatric dental cases. Students are expected to demonstrate advanced clinical competence in behavior management, multidisciplinary treatment planning, and follow-up care. Emphasis is placed on complication management, long-term outcome assessment, and the integration of current research findings into clinical decision-making.

DENT628 Preventive and Interceptive Orthodontic Approaches

This course provides advanced knowledge of preventive and interceptive orthodontic principles within pediatric dentistry. Topics include craniofacial growth assessment, space management, oral habits, eruption guidance, and early orthodontic interventions. Emphasis is placed on diagnosis, treatment timing, and interdisciplinary collaboration. Students critically evaluate evidence-based approaches for early orthodontic management to prevent or reduce the severity of malocclusions.



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PROGRAM OF PROSTHETIC DENTISTRY

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded

Prosthetic Dentistry, Doctor of Philosophy (PhD)

Duration of Studies

4 Years (8 Semesters)

Total Credits / ECTS

21 Theoretical credit hours and 20 Application credit hours / 240 ECTS

Language of Instruction

English

Mission and Vision

Mission

The mission of the PhD Program in Prosthetic Dentistry is to educate highly qualified clinician-scientists and researchers with advanced knowledge, clinical competence, and research skills in fixed, removable, and implant-supported prosthetic dentistry. The program aims to foster scientific thinking, ethical responsibility, and innovation through evidence-based education and interdisciplinary research. It supports the generation of original scientific knowledge that contributes to the advancement of dental materials, occlusion science, digital prosthodontics, and clinical rehabilitation strategies at national and international levels.

Vision

The vision of the PhD Program in Prosthetic Dentistry is to become a nationally and internationally recognized center of excellence in advanced prosthodontic education and research. The program aspires to lead innovation by integrating digital technologies, implant dentistry, material sciences, and contemporary prosthetic approaches into doctoral training. By promoting academic leadership, global collaboration, and lifelong learning, the program aims to train future academics and researchers who contribute to the continuous improvement of prosthetic dental care and evidence-based clinical guidelines.

Program Objectives

The objectives of the PhD Program in Prosthetic Dentistry are to:

- Provide advanced theoretical and clinical knowledge in prosthetic rehabilitation, occlusion, and dental materials.
- Develop independent research skills in material science, implantology, digital prosthodontics, and clinical prosthetic applications.
- Foster critical analysis of complex prosthetic cases using scientific and clinical methodologies.
- Promote the integration of digital technologies and contemporary prosthetic approaches into research and clinical practice.
- Encourage the production of original scientific research that contributes to evidence-based prosthetic dentistry.

Program Learning Outcomes

In general, graduates of the PhD program in Dentistry will be able to:

PO1. Demonstrate advanced and systematic knowledge in dental sciences and their selected specialty area.

PO2. Design, conduct, and manage original scientific research that contributes new knowledge to dentistry.

PO3. Critically analyze, synthesize, and interpret complex scientific data using appropriate qualitative and quantitative research methods.

- PO4.** Apply evidence-based dentistry principles to clinical and academic decision-making.
- PO5.** Publish research findings in high-impact, peer-reviewed international journals and present them at scientific meetings.
- PO6.** Demonstrate advanced academic writing, scientific communication, and presentation skills in English.
- PO7.** Adhere to ethical principles in research, clinical practice, patient rights, and academic integrity.
- PO8.** Contribute to undergraduate and postgraduate dental education through teaching, supervision, and mentoring.
- PO9.** Collaborate effectively in interdisciplinary and international research teams.
- PO10.** Show leadership, independence, and responsibility in academic, clinical, and research environments.
- Graduates of the PhD Program in Prosthetic Dentistry will be able to:
- PROS-PO1.** Develop advanced expertise in fixed, removable, and implant-supported prosthodontic concepts.
- PROS-PO2.** Design and evaluate innovative prosthetic treatment approaches based on biomechanics, esthetics, and function.
- PROS-PO3.** Conduct original research in dental materials, digital dentistry, CAD/CAM systems, and implant prosthodontics.
- PROS-PO4.** Critically assess occlusion, temporomandibular disorders, and complex rehabilitation cases.
- PROS-PO5.** Integrate digital workflows and emerging technologies into prosthodontic research and education.

Curriculum

The curriculum consists of compulsory five theoretical courses, two elective courses, two dental clinic courses, laboratory-based research, advanced clinical practice, doctoral seminars, and dissertation research. Courses are designed to support interdisciplinary learning and independent scientific inquiry.

During the first two years of the program, students complete all required coursework and present at least one doctoral seminar. By the end of the fourth semester, students are required to successfully pass the doctoral qualification examination. In the fifth semester, the planning and initiation of the doctoral thesis research take place, and students are expected to publish their research as at least one article in a peer-reviewed scientific journal. The program is completed with the successful defense of the doctoral thesis by the end of the eighth semester.

This table shows the courses and their credits taken in PhD program of Prosthetic Dentistry

Semester 1			Semester 2		
Course Code	Course Name	Credit	Course Code	Course Name	Credit
CGCR601	Research Methods	(3,0) 3	CGCR602	Data Analysis	(3,0) 3
DENT619	Material Test Methods	(3,0) 3	DENT683	Gnathology	(3,0) 3
DENT613	Material Science in Dentistry	(3,0) 3	DENT686	Dental Clinic II	(0,10) 0
DENT685	Dental Clinic I	(0,10) 0			
Semester 3			Semester 4		
DENT682	Dental Implantology	(3,0) 3	DENT650	Qualification Exam	(0,0) 0
DENT652	Digital Prosthetic Approaches	(3,0) 3			
DENT690	Seminar	(0,0) 0			
Semester 5 , 7			Semester 6 , 8		
DENT600	Thesis	(0,0) 0	DENT600	Thesis	(0,0) 0
Total				21 ECTS	

Laboratory and Equipment Capacity

The PhD Program in Prosthetic Dentistry is supported by advanced laboratory, clinical, and digital infrastructure designed for doctoral-level education, research, and clinical training.

The program has access to biomaterials and prosthetic research laboratories equipped for mechanical, physical, chemical, and biological testing of dental materials. Facilities support standardized testing in accordance with international guidelines (ISO/ADA), including strength, wear resistance, surface characterization, bonding performance, and biocompatibility analyses.

Digital dentistry and CAD/CAM laboratories are available, equipped with intraoral scanners, laboratory scanners, design software, milling units, and 3D printing systems to support research and clinical applications in digital prosthodontics.

Fully equipped prosthetic dental clinics provide advanced clinical training in fixed, removable, and implant-supported prosthetic rehabilitation. Clinical units include implant surgery and prosthetic systems, articulators, facebows, occlusal analysis tools, and digital diagnostic devices, enabling doctoral students to manage complex prosthetic cases and conduct clinical research under academic supervision.

Preclinical simulation laboratories and computer facilities with licensed statistical and digital design software support skill development, research analysis, and scientific reporting.

This comprehensive infrastructure ensures that doctoral students acquire advanced research competence and clinical expertise while promoting innovation and excellence in prosthetic dentistry.

Career Opportunities

Graduates of the PhD Program in Prosthetic Dentistry may pursue careers as:

- Academic staff members in dental faculties and research universities
- Specialist prosthodontic consultants in advanced dental clinics and hospitals
- Research scientists in dental materials, implantology, and digital dentistry
- Contributors to national and international prosthetic treatment guidelines
- Continuing education instructors and postgraduate trainers

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COURSE CATALOGUE DESCRIPTIONS

DENT619 Materials' Test Methods

This course provides advanced training in the evaluation and testing of dental materials used in restorative and prosthetic dentistry. It covers mechanical, physical, chemical, and biological testing methods to assess properties such as strength, hardness, wear resistance, adhesion, and biocompatibility. Emphasis is placed on standardized testing protocols, interpretation of test results, and their clinical relevance in material selection and treatment planning. Students gain hands-on experience with laboratory testing equipment and critically analyze current research to understand material behavior under simulated oral conditions.

DENT613 Material Science in Dentistry

This course provides advanced theoretical knowledge of dental materials used in restorative and prosthetic dentistry, focusing on their composition, structure, properties, and clinical behavior. Topics include metals and alloys, ceramics, polymers, composites, and implant materials, as well as their physical, mechanical, chemical, and biological characteristics. Emphasis is placed on material–tissue interactions, aging mechanisms, failure analysis, and material selection for long-term clinical success. Students critically evaluate current scientific literature and develop the ability to relate material properties to prosthetic design and clinical performance.

DENT685 Dental Clinic I

This clinical course emphasizes advanced diagnosis, treatment planning, and supervised clinical practice in prosthetic dentistry. Students manage prosthetic cases involving fixed and removable restorations, including comprehensive patient evaluation, impression techniques, jaw relation records, and provisional restorations. Emphasis is placed on evidence-based treatment planning, clinical documentation, patient communication, and ethical practice. Case presentations and outcome assessments are integral components of the course.

DENT683 Gnathology

This course provides an advanced understanding of occlusion, mandibular dynamics, and temporomandibular joint function in relation to prosthetic rehabilitation. Topics include occlusal concepts, articulation systems, mandibular movement analysis, vertical dimension, and occlusal adjustment principles. The course emphasizes the role of occlusion in fixed, removable, and implant-supported prostheses, as well as the diagnosis and management of occlusal disorders. Clinical decision-making and evidence-based approaches to occlusal rehabilitation are critically discussed.

DENT686 Dental Clinic II

This course builds upon Dental Clinic I and focuses on independent clinical performance in complex prosthetic and implant-supported rehabilitation cases. Students are expected to demonstrate advanced clinical competence, manage complications, and integrate interdisciplinary treatment approaches. Emphasis is placed on long-term outcome evaluation, patient-centered care, and the application of current research findings into clinical practice. Professional responsibility and clinical leadership are reinforced throughout the course.

DENT682 Dental Implantology

This course provides advanced theoretical and clinical knowledge of dental implantology within the scope of prosthetic dentistry. Topics include implant biomaterials, biomechanics, surgical–prosthetic planning, implant positioning, loading protocols, and implant-supported prosthetic designs. Emphasis is placed on risk assessment, complication management, and long-term maintenance of implant-supported restorations. Students critically evaluate current scientific evidence and clinical protocols related to implant prosthodontics.

DENT652 Digital Prosthetic Approaches

This course examines contemporary digital technologies and workflows in prosthetic dentistry. Topics include digital impressions, CAD/CAM systems, virtual articulators, digital smile design, milling and additive manufacturing techniques, and digital implant planning. The integration of digital technologies into clinical practice and research is emphasized. Students critically assess the advantages, limitations, and future potential of digital prosthetic systems based on scientific evidence and clinical outcomes.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF RESTORATIVE DENTISTRY

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded

Restorative Dentistry, Doctor of Philosophy (PhD)

Duration of Studies

4 Years (8 Semesters)

Total Credits / ECTS

21 Theoretical credit hours and 20 Application credit hours / 240 ECTS

Language of Instruction

English

Mission and Vision

Mission

The mission of the PhD Program in Restorative Dentistry is to educate highly qualified clinician-scientists and researchers with advanced knowledge, clinical competence, and research skills in cariology, preventive dentistry, adhesive techniques, and restorative dental materials. The program aims to promote scientific thinking, ethical responsibility, and innovation in the prevention, diagnosis, and restoration of dental hard tissue defects. Through evidence-based education and interdisciplinary collaboration, the program supports the generation of original scientific research that contributes to the advancement of restorative dentistry at national and international levels.

Vision

The vision of the PhD Program in Restorative Dentistry is to become a nationally and internationally recognized center of excellence in advanced restorative dental education and research. The program aspires to lead innovation by integrating contemporary diagnostic tools, preventive strategies, minimal invasive treatment concepts, and advanced adhesive technologies into doctoral training. By fostering academic leadership, global collaboration, and lifelong learning, the program aims to train future academics and researchers who contribute to the development of evidence-based restorative dental care and the improvement of oral health outcomes.

Program Objectives

The objectives of the PhD Program in Restorative Dentistry are to:

- Provide advanced theoretical and clinical knowledge in cariology, preventive dentistry, adhesive techniques, and restorative dental materials.
- Develop independent research skills in caries management, minimal invasive dentistry, and restorative material science.
- Foster critical evaluation of complex restorative dental cases using scientific and clinical methodologies.
- Promote the integration of contemporary technologies and evidence-based minimal invasive approaches into restorative dental research and clinical practice.
- Encourage the production of original scientific research that contributes to evidence-based restorative dentistry.

Program Learning Outcomes

In general, graduates of the PhD program in Dentistry will be able to:

- PO1.** Demonstrate advanced and systematic knowledge in dental sciences and their selected specialty area.
- PO2.** Design, conduct, and manage original scientific research that contributes new knowledge to dentistry.
- PO3.** Critically analyze, synthesize, and interpret complex scientific data using appropriate qualitative and quantitative research methods.
- PO4.** Apply evidence-based dentistry principles to clinical and academic decision-making.
- PO5.** Publish research findings in high-impact, peer-reviewed international journals and present them at scientific meetings.
- PO6.** Demonstrate advanced academic writing, scientific communication, and presentation skills in English.
- PO7.** Adhere to ethical principles in research, clinical practice, patient rights, and academic integrity.
- PO8.** Contribute to undergraduate and postgraduate dental education through teaching, supervision, and mentoring.
- PO9.** Collaborate effectively in interdisciplinary and international research teams.
- PO10.** Show leadership, independence, and responsibility in academic, clinical, and research environments.

Graduates of the PhD Program in Restorative Dentistry will be able to:

- REST-PO1.** Demonstrate advanced knowledge of tooth-colored restorations, adhesive dentistry, and minimally invasive techniques.
- REST-PO2.** Design and conduct research on dental materials, bonding systems, and restorative longevity.
- REST-PO3.** Critically evaluate caries management strategies and preventive-restorative concepts.
- REST-PO4.** Apply evidence-based protocols for complex restorative cases.
- REST-PO5.** Contribute to the development of innovative restorative materials and techniques.

Curriculum

The curriculum consists of compulsory theoretical courses, elective courses, dental clinic courses, laboratory-based research, doctoral seminars, and dissertation research. Courses are structured to support interdisciplinary learning, advanced clinical competence, and independent scientific inquiry in restorative dentistry.

During the first two years of the program, students complete all required coursework and present at least one doctoral seminar. By the end of the fourth semester, students are required to successfully pass the doctoral qualification examination. In the fifth semester, the planning and initiation of the doctoral thesis research take place, and students are expected to publish their research as at least one article in a peer-reviewed scientific journal. The program is completed with the successful defense of the doctoral thesis by the end of the eighth semester.

This table shows the courses and their credits taken in PhD program of Restorative Dentistry

Semester 1			Semester 2		
Course Code	Course Name	Credit	Course Code	Course Name	Credit
CGCR601	Research Methods	(3,0) 3	CGCR602	Data Analysis	(3,0) 3
DENT619	Material Test Methods	(3,0) 3	DENT654	Cariology, Preventive and Minimal Invasive Dentistry	(3,0) 3
DENT613	Material Science in Dentistry	(3,0) 3	DENT656	Dental Clinic II	(0,10) 0
DENT651	Dental Clinic I	(0,10) 0			
Semester 3			Semester 4		
DENT647	Esthetic and Adhesive Dentistry	(3,0) 3	DENT650	Qualification Exam	(0,0) 0
DENT652	Digital Prosthetic Approaches	(3,0) 3			
DENT690	Seminar	(0,0) 0			
Semester 5 , 7			Semester 6 , 8		
DENT600	Thesis	(0,0) 0	DENT600	Thesis	(0,0) 0
Total			21 ECTS		

Laboratory and Equipment Capacity

The PhD Program in Restorative Dentistry is supported by comprehensive laboratory, clinical, and research infrastructure designed to facilitate advanced education, experimental research, and evidence-based clinical training.

The program has access to biomaterials and restorative dentistry research laboratories equipped for mechanical, physical, chemical, and biological testing of restorative dental materials. These laboratories support standardized testing procedures in accordance with international guidelines (ISO/ADA), including tests for bond strength, wear resistance, microhardness, polymerization behavior, and biocompatibility.

Fully equipped restorative dentistry clinics provide advanced clinical training and research opportunities. Clinical units are furnished with modern dental units, isolation systems, magnification devices, light-curing units, and digital diagnostic tools. These facilities enable doctoral students to manage complex restorative cases, perform advanced adhesive procedures, and conduct outcome-based clinical research under academic supervision.

Preclinical simulation laboratories support skill development, technique standardization, and experimental procedure testing.

The program also benefits from research and data analysis facilities, including computer laboratories equipped with licensed statistical and image analysis software to support doctoral-level data interpretation and scientific reporting.

This integrated laboratory and clinical capacity ensures that doctoral students acquire advanced research competence and clinical expertise while promoting innovation and excellence in restorative dentistry.

Career Opportunities

Graduates of the PhD Program in Restorative Dentistry may pursue careers as:

- Academic staff members in dental faculties and research universities
- Specialist consultants in restorative and esthetic dentistry in advanced dental clinics and hospitals
- Research scientists in cariology, preventive dentistry, and restorative dental materials
- Contributors to national and international restorative dentistry guidelines and oral health policies
- Continuing education instructors and postgraduate trainers

Contact Information

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COURSE CATALOGUE DESCRIPTIONS

DENT619 Materials' Test Methods

This course provides advanced training in the evaluation and testing of dental materials used in restorative and prosthetic dentistry. It covers mechanical, physical, chemical, and biological testing methods to assess properties such as strength, hardness, wear resistance, adhesion, and biocompatibility. Emphasis is placed on standardized testing protocols, interpretation of test results, and their clinical relevance in material selection and treatment planning. Students gain hands-on experience with laboratory testing equipment and critically analyze current research to understand material behavior under simulated oral conditions.

DENT613 Material Science in Dentistry

This course provides advanced theoretical knowledge of dental materials used in restorative and prosthetic dentistry, focusing on their composition, structure, properties, and clinical behavior. Topics include metals and alloys, ceramics, polymers, composites, and implant materials, as well as their physical, mechanical, chemical, and biological characteristics. Emphasis is placed on material-tissue interactions, aging mechanisms, failure analysis, and material selection for long-term clinical success. Students critically evaluate current scientific literature and develop the ability to relate material properties to prosthetic design and clinical performance.

DENT651 Dental Clinic I

This clinical course emphasizes advanced diagnosis, treatment planning, and supervised clinical practice in restorative dentistry. Students perform restorative procedures using contemporary adhesive techniques and materials for the management of carious and non-carious lesions. Emphasis is placed on cavity design, isolation techniques, material selection, and restoration longevity. Evidence-based clinical decision-making, patient safety, and ethical practice are reinforced through case-based learning and clinical supervision.

DENT654 Cariology, Preventive and Minimal Invasive Dentistry

This course provides advanced theoretical and clinical knowledge of the etiology, pathogenesis, and management of dental caries and other non-carious tooth defects. Topics include caries risk assessment, biofilm dynamics, demineralization and remineralization processes, preventive strategies, fluoride therapies, sealants, and minimally invasive treatment approaches. Emphasis is placed on evidence-based caries management, early detection techniques, and patient-centered preventive care. Students critically evaluate contemporary research and clinical protocols related to preventive and minimal invasive restorative dentistry.

DENT656 Dental Clinic II

This course builds upon Dental Clinic I and focuses on independent clinical performance in complex restorative cases. Students manage advanced restorative procedures, including esthetic rehabilitations and minimally invasive restorations. Emphasis is placed on complication management, long-term outcome evaluation, and integration of current scientific evidence into clinical practice. Interdisciplinary collaboration and professional responsibility are reinforced throughout the course.

DENT647 Esthetic and Adhesive Dentistry

This course provides advanced theoretical and clinical training in contemporary esthetic and adhesive dentistry techniques, focusing on the preservation of tooth structure and the achievement of optimal functional and aesthetic results. Topics include adhesion science, bonding systems, resin composites, ceramics, veneer and laminate restorations, smile design principles, color science, and management of complex aesthetic cases. Emphasis is placed on evidence-based material selection, minimally invasive approaches, and long-term clinical performance. Students engage in case-based discussions, digital smile

design exercises, and supervised clinical applications to master advanced esthetic and adhesive procedures.

DENT652 Digital Prosthetic Approaches

This course examines contemporary digital technologies and workflows in restorative and prosthetic dentistry. Topics include digital impressions, CAD/CAM systems, virtual articulators, digital smile design, milling and additive manufacturing techniques, and digital implant planning. The integration of digital technologies into clinical practice and research is emphasized. Students critically assess the advantages, limitations, and future potential of digital prosthetic systems based on scientific evidence and clinical outcomes.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF ELECTRICAL & ELECTRONICS ENGINEERING

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded

Electrical and Electronic Engineering Doctoral Program (Ph.D.)

Duration of Studies

5 years

Total Credits / ECTS

21

Language of Instruction

English

Mission and Vision

Mission

The mission of the PhD Program in Electrical and Electronic Engineering is to advance scientific knowledge and technological innovation through high-quality research, education, and interdisciplinary collaboration. The program is committed to preparing highly qualified researchers, academics, and professionals who can address complex engineering challenges with analytical rigor, creativity, and ethical responsibility. By fostering a research-driven environment, it aims to contribute to industry, academia, and society through impactful discoveries and sustainable technological solutions.

Vision

The vision of the PhD Program in Electrical and Electronic Engineering is to be recognized as a leading international center of excellence in research, education, and innovation. The program aspires to produce future leaders who will shape the direction of science and technology in fields such as communications, electronics, power systems, and artificial intelligence. Through strong global collaborations and a commitment to sustainable development, it seeks to contribute to solving critical challenges and to creating a smarter, more connected, and more resilient world.

Program Objectives

Our university's Program for Electrical & Electronics Engineering is a program which can be applied by students who have graduated from undergraduate and graduate programs of Electrical and Electronics Engineering. The main aim of the program is to train students who conduct research in the field of electricity and electronics, to produce information and, by this means to contribute to the universal science. There is a great need for researchers who are graduates of masters and PhD, who will carry out international collaborations, follow the latest developments, who have the necessary analysis and synthesis skills, and who can produce innovative ideas and lead the research and development projects. This program will lend assistance to the training of researches who possesses the above mentioned qualifications. The program includes many disciplines and students are involved in the projects with their thesis advisors. These disciples include; power systems, energy systems, communication systems, electromagnetic, signal

processing, electronic circuits, microwave theory, control theory and applications, optoelectronic and mobile networks.

Program Learning Outcomes

The program outcomes for the Ph.D. program in the EEE department are listed below.

Students graduating from the program should

PO1: Demonstrate comprehensive and in-depth understanding of advanced concepts, theories, and research methods in electrical and electronic engineering.

PO2: Conduct independent, original, and high-quality scientific research that contributes new knowledge or innovations to the field.

PO3: Analyze, model, and solve complex engineering problems using advanced techniques, tools, and critical thinking.

PO4: Develop novel approaches, systems, or technologies that address current and emerging challenges in engineering and related disciplines.

PO5: Integrate knowledge from related scientific and engineering fields to carry out effective interdisciplinary research and projects.

PO6: Present research findings, complex technical information, and innovative ideas effectively in written, oral, and visual forms to both specialist and non-specialist audiences.

PO7: Apply ethical principles, academic integrity, and professional standards in research, teaching, and practice.

PO8: Recognize the societal, environmental, and global impacts of engineering solutions and contribute to sustainable development goals.

PO9: Demonstrate leadership, initiative, and teamwork skills in academic, industrial, and research environments.

PO10: Engage in continuous learning and self-development to keep pace with emerging technologies, scientific advances, and evolving professional practices.

Curriculum

PhD IN ELECTRICAL AND ELECTRONICS ENGINEERING					
1 st SEMESTER			2 nd SEMESTER		
Course Code	Course Name	CREDIT	Course Code	Course Name	CREDIT
EE6x1	Elective Course	3	EE6x4	Elective Course	3
EE6x2	Elective Course	3	EE6x5	Elective Course	3
EE6x3	Elective Course	3	EE6x6	Elective Course	3
			EE6x7	Elective Course	3
			EE690	SEMINAR	-
TOTAL		9	TOTAL		12
3 rd SEMESTER			4 th SEMESTER		
EE650	Qualification Exam	-	EE600	Thesis	-
TOTAL		-	TOTAL		-

Laboratory and Equipment Capacity (if applicable)

The PhD Program in Electrical and Electronic Engineering might use the laboratories listed in the Table below. Depending on the nature of the work done in the laboratory, the instruction during a lab session is performed by the Course Instructor and/or the appointed Teaching Assistants. High-quality equipment and apparatus are used in our laboratories. The equipment that is made available in the laboratory is experiment-oriented, i.e. only equipment that is prescribed to be used in certain experiments are made available for students.

Table-The Faculty of Engineering Laboratories used by the ECE Department

Laboratory Name	Student Capacity	Area (m2)
Electrical, Electronics and Digital Laboratory	40	100
Electric Machinery and Power Laboratory	20	100
Microwave and Antennas Laboratory	20	70
Communications Laboratory	24	80
Microprocessors Laboratory	24	70
Control Systems Laboratory	20	70
Computer Laboratory	30	42
Research Laboratory	20	60
Chemistry Laboratory	30	100
Physics Laboratory	30	75
3D Design Laboratory	15	80
Macintosh Laboratory	30	70

Career Opportunities

Graduates of this program can easily find jobs in the private sector or in many public companies. They can also pursue careers in areas such as project definition, development, research and development (R&D), work measurement, material management, production planning and control, quality control and business administration and management, especially in high technology companies. The sectors they can work in include, but are not limited to, wireless communication systems, fiber optic communication systems, renewable energy sources, energy efficiency, design and production of electric cars, and control and robot systems. In addition, students who have graduated from this program can have the opportunity to become a faculty member at a university.

Contact Information

Head of Department

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COURSE CATALOGUE DESCRIPTIONS

EE620 Information Theory

This course introduces Information Theory, historical background, applications, definition of information, information sources, memoryless and Markov sources, review of information measures, self information, entropy, relative information, and mutual information, Jensens inequality and entropy rate, source encoding, classes of codes, average length, Krafts inequality, review of Huffman and Arithmetic codes, channel capacity, capacity of discrete memoryless channels, examples of channel capacity, symmetric channels, jointly typical sequences, channel coding theorem, and zero error coding, capacity of Gaussian channel, Gaussian channel, converse to the coding theorem, band limited channels, and parallel channels, source coding, optimal quantization: rate distortion theorem, calculation of rate distortion function, converse to rate distortion theorem, scalar and vector quantization, and introduction to audio and video coding standards and characteristics.

EE635 Selected Topics in Pattern Recognition

The main purpose of this course is to introduce the algorithms and techniques in machine learning. The subjects include linear algebra, probability theory, Bayes decision theory, discriminant functions and dimensionality reduction. The emphasis is placed on developing application programs using real-world datasets. Students construct classifiers such as LDC, NMC, k-NN, PNN, Neural Networks and Perceptron. This course also introduces state-of-the-art classifiers such as SVM. Foundations of deep learning and convolutional neural networks are discussed as well. With the help of the instructor, students define their own areas of interest and they are assigned assignments for the course.

COMP601 Advances in Computer Networks and Communication

This course includes networking fundamentals, networking protocols, application layer, the transport layer (TCP/UDP), the network layer, the link layer, multimedia, security, and cloud computation over the Internet. In addition to focusing on fundamental concepts, principles and techniques, network programming using the socket API; network traffic/protocol analysis, assessment of alternative networked systems and architectures are investigated as well. Moreover, peer-to-peer networks, the client-server model, network operating systems, and an introduction to wide-area networks are studied. Additionally, wireless and mobile networking, security in computer networks, multimedia networking, and network management are discussed.

EE604 Adaptive Signal Processing

This course will deal with the theory and applications of advanced signal processing algorithms for extracting information from noisy signals. The focus will be on model based estimation methods for linear, time-varying systems, with application to, for example, communications, sensor array processing and biomedical engineering. Optimal linear filters and adaptive filters: Wiener filters, least squares linear prediction (LP), Levinson-Durbin algorithm, steepest descent adaptive filters, least-mean squares (RLS) algorithm and its convergence, recursive least squares algorithm; Application of adaptive filters: noise cancellation (multiuser CDMA detection), echo cancellation (acoustics, speech processing), channel equalization in communications; Analysis of adaptive filters: learning curve, convergence, stability, mean square error and misadjustment; Adaptive sensor arrays: beamforming, adaptive beam forming and the MVDR. Adaptive multirate signal

processing: subband coding and its application to data compression. Model-Based spectrum estimation: minimum variance and eigenstructure methods.

COMP602 Evolutionary Algorithms

Genetic algorithms, genetic programming, evolutionary strategies. Principles of genetic algorithms, comparisons with similar approaches. Mathematical foundations: schema theorem, building block hypothesis, encoding, fitness functions, fitness scaling. Genetic operators: crossing-over, mutation, reproduction, selection techniques. Advanced operators, parallel genetic algorithms. Island models. Application of statistical methods used in population genetics. Major application areas.

COMP626 Selected Topics in Artificial Neural Networks

This course introduces the basic concept of neural networks. The neural net algorithms will be discussed. It emphasizes mathematical analysis of neural networks, methods for training networks, and application of networks to practical problems. Basic neuron models, McCulloch-Pitts model, Hebbian learning, linear models, perceptrons, limitations of linear nets and activation functions are covered. Basic neural network models such as multilayer perceptron, distance or similarity based neural networks, probabilistic neural nets, associative memory and self-organizing feature maps, learning vector quantization are considered as well. With the help of the instructor, students define their own areas of interest and they do small projects for the course.

EE640 Special Topics in Artificial Intelligence

This course introduces the foundations, scope, problems, and approaches of AI. Intelligent agents and artificial intelligence programming techniques are discussed. Problem-solving through Search: forward and backward, state-space, blind, heuristic, problem-reduction, A, A star, AND-OR graph algorithm, minimax, constraint propagation, neural, stochastic, and evolutionary search algorithms, sample applications are covered. Moreover, ontologies, foundations of knowledge representation and reasoning, representing and reasoning about objects, relations, events, actions, time, and space; predicate logic, situation calculus, description logics, reasoning with defaults, reasoning about knowledge, sample applications are studied. With the help of the instructor, students define their own areas of interest and they are assigned a final project for the course.

EE600 Thesis

Supervised independent research on a topic arranged between the student and a faculty member and approved by the Administrative Committee of the Institute. It must be an original contribution to the field of engineering.

EE690 Seminar

The expression of the subject, objectives and the discussions on the related theoretical issues, presentation of the consequences, the discussions of the thesis in regard to contemporary developments in engineering.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF ENGLISH LANGUAGE TEACHING

PROGRAM INFORMATION

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PROGRAM INFORMATION

Program Name and Degree Awarded

English Language Teaching (ELT), PhD in ELT

Duration of Studies

4 years

Total Credits / ECTS

21 Credits

Language of Instruction

English

Mission and Vision

Mission

The mission of the PhD Program in English Language Teaching is to advance scholarly research, critical inquiry, and professional practice in the field of language education. The program is committed to developing expert educators, researchers, and leaders who can contribute original and impactful knowledge in areas such as applied linguistics, second language acquisition, pedagogical stylistics, and teacher education. Through a rigorous, research-oriented curriculum and a supportive academic environment, the program fosters innovation, interdisciplinary engagement, ethical scholarship, and a global perspective in English language teaching and learning.

Vision

The vision of the PhD Program in English Language Teaching is to be a leading center of excellence in language education research and scholarship, recognized nationally and internationally for its contributions to the advancement of English language teaching theory, policy, and practice. The program aspires to shape future generations of scholars and educators who will drive pedagogical innovation, influence educational reform, and engage in meaningful global collaboration in the field of ELT.

Program Objectives

The PhD program in English Language Teaching aims to cultivate highly qualified scholars, researchers, and educational leaders who possess an advanced and critical understanding of the theoretical, methodological, and pedagogical foundations of language education. The program is designed to equip candidates with the ability to conduct original and impactful research in areas such as applied linguistics, second language acquisition, pedagogical stylistics, and teacher education. Through rigorous academic training, interdisciplinary engagement, and reflective practice, the program empowers graduates to contribute to the advancement of the ELT field by addressing complex educational challenges, shaping language policy, designing innovative teaching practices, and leading scholarly discourse at both national and international levels.

Program Learning Outcomes

Students will be able to;

LO1 Critically evaluate and synthesize theories and frameworks in applied linguistics to generate new insights into language teaching and learning.

LO2 Conduct original research in second language acquisition (SLA) that contributes to the development of innovative teaching methodologies or theoretical models.

LO3 Demonstrate expertise in pedagogical stylistics by analyzing literary and non-literary texts to inform advanced language pedagogy.

LO4 Design and implement context-sensitive teacher education programs, drawing on contemporary theories and models of teacher development.

LO5 Evaluate the role of drama and performance-based strategies in language education through both theoretical and empirical lenses.

LO6 Apply advanced research methodologies (qualitative, quantitative, and mixed methods) to investigate complex issues in ELT.

LO7 Integrate interdisciplinary knowledge to address emerging and complex problems in English language education at macro (policy) and micro (classroom) levels.

LO8 Contribute to academic discourse in ELT by publishing peer-reviewed research and presenting at international conferences.

LO9 Design and conduct studies on selected topics in ELT, producing scholarly work that challenges existing paradigms or introduces novel perspectives.

LO10 Demonstrate critical awareness of the socio-political, cultural, and technological dimensions of language teaching and learning.

LO11 Develop theory-informed language curricula, incorporating current SLA research and learner needs analyses.

LO12 Supervise pre-service and in-service teachers, using evidence-based mentoring and reflective practice frameworks.

LO13 Engage in collaborative research and cross-cultural academic exchange, contributing to global discussions in ELT.

LO14 Uphold academic integrity and ethical standards in all aspects of research, publication, and professional practice.

LO15 Demonstrate leadership in ELT by initiating and managing educational projects, influencing policy, or shaping curriculum reforms at institutional or national levels.

Curriculum

1 st SEMESTER (FALL)					2 nd SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
ELT601	Applied Linguistics	3	0	3	ELT602	Pedagogical Stylistics	3	0	3
ELT603	Studies in Second Language Acquisition	3	0	3	ELT 604	Selected Topics in English Language Teaching	3	0	3
<i>ELT605 Advanced Research Methods (3-0)3 (common course)</i>									
Total: 21 credits									

3 rd SEMESTER (FALL)					4 th SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
ELT607	Drama in Language Classes	3	0	3	ELT606	Approaches to Teacher Education	3	0	3
<i>ELT605 Advanced Research Methods (3-0)3 (common course)</i>									
<i>ELT690 Seminar (Non-credit)</i>									
Total: 21 credits									

5th SEMESTER

COURSE CODE	COURSE NAME	T	P	C
ELT650	Qualification Examination	0	0	0
Total		0		

6th, 7th, 8th SEMESTERS

COURSE CODE	COURSE NAME	T	P	C
ELT600	Thesis	0	0	0
Total		0		

Laboratory and Equipment Capacity (if applicable): NA

Career Opportunities

Graduates of the programme can teach undergraduate and graduate courses in ELT, Applied Linguistics, SLA, and related areas, supervise MA and PhD theses; can conduct funded research projects in language education, linguistics, or curriculum development, publish in peer-reviewed journals and presenting at international conferences; design and evaluate English language curricula at institutional, national, or international levels, create innovative teaching materials and digital resources for language learners; train pre-service and in-service English language teachers, lead workshops, seminars, and continuous professional development programs; design and validate language proficiency tests and assessment tools, work with examination boards, universities, or testing centers (e.g., IELTS, TOEFL); contribute to national or institutional language education policies and reforms, work with ministries of education, NGOs, or international bodies (e.g., UNESCO, British Council); lead departments, research centers, or

graduate programs in language education, oversee curriculum design, quality assurance, and accreditation processes; write textbooks, teacher guides, or digital content for ELT publishers, review academic publications or serve as journal editors; advise educational institutions or language schools on pedagogy, assessment, and technology integration, provide expertise in multilingual or multicultural education contexts; engage in further academic research at international universities or research institutes, expand academic networks and preparing for tenure-track positions; work with international schools, universities, or language programs, support global education projects, study-abroad programs, and intercultural communication; lead or collaborate on digital learning initiatives in ELT and developing AI- or technology-driven language learning platforms.

Contact Information

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Head of Department

Assoc. Prof. Dr. Sibel ERSEL

COURSE CATALOGUE DESCRIPTIONS

ELT601 Applied Linguistics

This course provides a comprehensive introduction to applied linguistics, focusing on the study of language in its practical application to real-world problems. Topics include language acquisition, sociolinguistics, psycholinguistics, language assessment, and multilingualism. Students will explore how linguistics intersects with fields such as education, psychology, anthropology, and technology. This course aims to create awareness in learners about the historical background of ELT and help them develop a critical lens through engaging them in meaningful discussions regarding each method.

ELT602 Pedagogical Stylistics

Pedagogical Stylistics explores the intersection of language, literature, and pedagogy. It focuses on how the study of stylistic features in texts can enhance language teaching and learning processes. This course delves into various linguistic and literary techniques to analyze and teach language effectively.

ELT603 Studies in Second Language Acquisition

This course provides an in-depth exploration of key theories, research methodologies, and pedagogical implications of Second Language Acquisition (SLA). PhD students will critically engage with foundational and contemporary SLA research, analyze empirical studies, and apply SLA concepts to language teaching and learning contexts. The course also emphasizes the intersections of cognitive, social, and cultural dimensions of SLA.

ELT604 Selected Topics in English Language Teaching

This course explores advanced topics in English Language Teaching (ELT) with a focus on research, theory, and practice. It engages doctoral students in critical analysis, discussion, and synthesis of current issues and emerging trends in ELT.

ELT605 Advanced Research Methods

This course aims at studying research in Social Sciences, research design, data collection and analysis, summarizing data, hypothesis testing, Confidence Intervals, ANOVA Analysis, Multi-Way ANOVA Analysis, Correlation and Regression Analysis, Multiple Regression Analysis, Sample Applications and report writing.

ELT606 Approaches to Teacher Education

This course aims at studying the issues involved in current teacher education research and development in ELT at primary, secondary, and tertiary levels. Topics such as the discussion of approaches to current teacher education programs, training prospective teachers and teacher-trainers in various aspects of EFL will receive special emphasis.

ELT607 Drama in Language Classes

This course explores the integration of drama techniques into language education to enhance language acquisition and learner engagement. Through theoretical and practical approaches, students will examine the pedagogical benefits of using drama in language classrooms. The course covers contemporary theories and models related to drama-based instruction, and encourages students to design and lead interactive class activities that connect theory to practice. Emphasis will be placed on understanding the role of individual, social, and contextual factors in language learning, as well as examining the social, political, and cultural dimensions of second language acquisition. This course is ideal for future language educators seeking innovative, student-centered teaching strategies.

ELT 690 Seminar

The goal is to guide students in conducting literature research on a selected or assigned topic, preparing a detailed report based on the literature review and presenting it to an audience. The seminar course is offered after completion of credit courses. At the end of the semester, the student is evaluated as either a pass or a fail.

ELT600 Thesis

The thesis must be original and demonstrate the student's research and analysis skills. Furthermore, practical application issues must be addressed within the thesis. The thesis topic may be determined by the thesis advisor and the student. The thesis is then defended by the student before a jury. The thesis may be evaluated as either successful or unsuccessful.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF ENVIRONMENTAL SCIENCE

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded

Environmental Sciences – Ph.D.

Duration of Studies

4 years (minimum)

Total Credits / ECTS

21/120

Language of Instruction

English

Mission and Vision

Mission

The mission of the PhD Programme in Environmental Sciences is to advance innovative and interdisciplinary research that addresses pressing environmental challenges while upholding principles of social responsibility, public health, and ethical integrity. The program fosters independent scientific inquiry, empowering scholars to generate and disseminate knowledge that contributes to sustainable development and informed policy-making at both national and international levels.

Vision

To be a globally recognized center of excellence in environmental research and education, cultivating visionary scientists who lead transformative change through ethical scholarship, interdisciplinary collaboration, and impactful contributions to ecological resilience and societal well-being.

Program Objectives

Advance Original Research in Environmental Sciences Cultivate the ability to independently design, conduct, and manage innovative research that contributes new knowledge to the field, addressing complex environmental challenges at local and global scales.

Promote Ethical and Socially Responsible Scholarship Ensure that doctoral candidates uphold ethical standards and integrate social, cultural, and scientific values throughout the research process from data collection to dissemination.

Develop Interdisciplinary Expertise and Critical Thinking Equip students with advanced analytical skills and interdisciplinary knowledge across environmental science, policy, and technology to foster holistic problem-solving and informed decision-making.

Prepare Leaders for Academic, Policy, and Industry Impact Train scholars to become thought leaders and change agents in academia, government, and the private sector, capable of shaping sustainable practices and influencing environmental governance.

Program Learning Outcomes

- Demonstrate comprehensive and systematic understanding of advanced environmental technologies and practices, including solid waste management, renewable energy, water reuse, and hazardous substance control.
- Exhibit deep knowledge of emerging topics in environmental biotechnology and urban/regional environmental planning.
- Independently design, implement, and manage original research projects that contribute new scientific insights to the field of environmental sciences.
- Apply advanced methodologies and technologies to solve complex environmental problems, particularly in areas such as water treatment, energy systems, and pollution control.
- Critically evaluate and synthesize scientific literature and data to support innovative solutions.
- Communicate complex scientific concepts and research findings effectively to academic, professional, and public audiences.
- Collaborate in interdisciplinary and multicultural teams, demonstrating leadership and initiative in environmental research and planning.
- Engage in seminars and academic discourse with clarity, professionalism, and intellectual rigor.
- Conduct research and professional activities in accordance with ethical standards and societal values, particularly in data collection, analysis, and dissemination.
- Assess the environmental, social, and health impacts of technological and policy decisions, promoting sustainable and responsible practices.
- Demonstrate autonomy and initiative in managing complex research processes, including qualification exams and thesis work.
- Reflect critically on personal learning and professional development, embracing lifelong learning and adaptability in a rapidly evolving field.
- Take responsibility for shaping sustainable solutions that address global and local environmental challenges.

Curriculum

Course Code	Course Name	Credit	ECTS
ENSC651	SOLID WASTE MANAGEMENT	3	8
ENSC637	RENEWABLE ENERGY PRACTICES	3	8
ESEL01	ELECTIVE I	3	7
ENSC633	ENVIRONMENTAL BIOTECHNOLOGY		
ESEL02	ELECTIVE II	3	7
ENSC631	SPECIAL TOPICS IN ENVIRONMENTAL TECHNOLOGIES		
ENSC638	WATER REUSE TECHNOLOGIES	3	8
ENSC604	HAZARDOUS SUBSTANCES AND MANAGEMENT TECHNIQUES	3	8
ESEL03	ELECTIVE III	3	7
ENSC608	URBAN AND REGIONAL ENVIRONMENTAL PLANNING		
ENSC610	SEMINAR	0	7
ENSC620	QUALIFICATION EXAM	0	30
ENSC600	THESIS	0	30
		21	120

Laboratory and Equipment Capacity

- Environmental Chemistry Lab
- Microbiology Lab
- Chemistry Lab
- Computer Lab

Career Opportunities

Graduates of the PhD Programme in Environmental Sciences are prepared for a wide range of impactful careers across academia, industry, government, and international organizations. With advanced expertise in areas such as solid waste management, renewable energy practices, environmental biotechnology, water reuse technologies, and urban environmental planning, they are equipped to lead research initiatives, shape environmental policy, and implement sustainable technologies. Career opportunities include roles as academic researchers, sustainability consultants, environmental policy advisors, urban planners, and project managers in international development. The program's emphasis on interdisciplinary knowledge, ethical responsibility, and innovative problem-solving enables graduates to contribute meaningfully to ecological resilience, public health, and global sustainability efforts.

Contact Information

Head of Department

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COURSE CATALOGUE DESCRIPTIONS

ENSC651 Solid Waste Management: This course covers, different type of solid wastes and their management techniques. 4R principles, solid waste recycling, incineration, composting, aerobic/anaerobic oxidation, landfilling. Matter and energy recovery from solid wastes.

ENSC637 Renewable Energy Practices: Course covers topics related with energy and renewable energy production methods discussed topics include; Energy, Energy and Environment, Energy Generation, Energy Consumption, Renewable energy, Source of Renewable Energy, Solar Power, Photovoltaic Power, Hydropower, Geothermal Energy, Wave Energy, Biomass, Total Energy Production.

ENSC633 Environmental Biotechnology: This advanced course explores the application of biotechnology to solve environmental problems, focusing on the use of biological systems for pollution control, resource recovery, and ecosystem restoration.

ENSC631 Special Topics in Environmental Technologies: This course offers an in-depth exploration of emerging and specialized topics in environmental technologies. Designed to adapt to current scientific advancements and industry trends, the course covers innovative methods and applications in pollution control, resource recovery, environmental monitoring, and sustainable engineering. Topics may vary each semester

ENSC638 Water Reuse Technologies: this course covers topics related with importance of water reuse and technologies applied for water reuse. water scarcity, water reuse applications, water treatment technologies, secondary treatment techniques, tertiary treatment techniques, membrane bioreactors, membrane filtration and advanced oxidation techniques for water reuse

ENSC604 Hazardous Substances and Management Techniques: This course provides an in-depth understanding of hazardous substances, their environmental and health impacts, and the techniques used for their safe management. Course includes; Hazard categories, regulations related to chemicals, life cycle assessment, life cycle impact assessment, life cycle inventory analysis, risk assessment.

ENSC608 Urban and Regional Environmental Planning : This course provides an in-depth understanding of Urban and Environmental Planning principles. Course includes; Urban and Regional Planning, Environmental Planning, Landscape Planing, Environmental Impact Assessment, Rural Development, Life Cycle Analysis, Land Use Planning, Land Conservation, Environmental Management.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF HEALTH MANAGEMENT

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded

Health Management (PhD)

Duration of Studies

8 Academic Years

Total Credits / ECTS

21 credits / 240 ECTS

Language of Instruction

English

Mission and Vision

The Health Management PhD program has a mission is to educate and develop future scholars, leaders, and policymakers through rigorous interdisciplinary research, advanced methodological training, and critical analysis of health systems. The program aims to generate high-impact research that informs health policy, strengthens health organizations, improves quality and efficiency of healthcare delivery, and addresses emerging public health and health system challenges at local, national, and global levels.

The vision of the program is to be a leading doctoral program in health management that advances innovative, ethical, and evidence-based leadership in health systems, shaping policies and practices that improve population health and health equity globally.

Program Objectives

Upon completion of the PhD program in Health Management, graduates will be able to:

- Design, conduct, and disseminate independent, high-quality research that contributes new knowledge to the field of health management and health systems.
- Employ advanced quantitative, qualitative, and mixed-methods research approaches to analyze complex problems in health organizations and health systems.
- Evaluate the structure, performance, financing, governance, and outcomes of health systems at local, national, and global levels.
- Generate evidence to support health policy development, strategic planning, and decision-making in healthcare organizations and public institutions.
- Assess and improve quality of care, patient safety, efficiency, and sustainability within healthcare organizations and systems.
- Integrate ethical principles, equity, and social responsibility into health management research, leadership, and policy recommendations.
- Publish research in peer-reviewed journals, present findings at national and international scientific forums, and contribute to academic and professional discourse.
- Lead interdisciplinary research teams, contribute to teaching and mentorship, and support capacity-building in health management and health policy.
- Analyze and respond to emerging challenges such as health system resilience, digital health, workforce sustainability, pandemics, and non-communicable diseases.

- Bridge theory and practice by translating research findings into actionable strategies for health organizations and policymakers.

Program Learning Outcomes

Upon successful completion of the PhD program in Health Management, graduates will be able to:

- Demonstrate advanced and in-depth knowledge of health management, health systems, health policy, health economics, and organizational theory.
- Critically analyze the structure, governance, financing, performance, and sustainability of health systems at national and global levels.
- Formulate original, innovative, and theoretically grounded research questions that contribute new knowledge to the field of health management.
- Design and conduct independent doctoral-level research using advanced quantitative, qualitative, and mixed-methods methodologies.
- Apply advanced analytical and methodological techniques to interpret complex data and address multifaceted health management and policy challenges.
- Produce original scholarly contributions that meet international standards and are suitable for publication in high-impact peer-reviewed journals.
- Communicate complex research findings effectively and ethically to academic, professional, and policy-oriented audiences at national and international levels.
- Demonstrate ethical leadership, scientific integrity, and social responsibility in health management research and practice.
- Lead and collaborate effectively in interdisciplinary and multicultural research environments.
- Translate research evidence into policy-relevant and practice-oriented recommendations that improve the quality, efficiency, equity, and resilience of health systems and healthcare organizations.

Curriculum

1 st SEMESTER (FALL)					2 ND SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
BUSN629	Management in Theory and Practice	3	0	3	BUSN614	Advanced Strategic Management Research	3	0	3
HLMN609	Ethics in Healthcare Management	3	0	3	HLMN602	Health Policy Analysis	3	0	3
HMEL01	ELECTIVE I	3	0	3	HMEL02-3	ELECTIVE III	3	0	3
HMEL02	ELECTIVE II				HLMN610	SEMINAR			
Total: 21 credits									

3rd SEMESTER

CODE	COURSE NAME	T	P	C
HLMN620	QUALIFICATION EXAM	0	0	0
Total		0		

4th SEMESTER

CODE	COURSE NAME	T	P	C
HLMN600	THESIS	0	0	0
Total		0		

5th SEMESTER

CODE	COURSE NAME	T	P	C
HLMN600	THESIS	0	0	0
Total		0		

6th SEMESTER

CODE	COURSE NAME	T	P	C
HLMN600	THESIS	0	0	0
Total		0		

7th SEMESTER

CODE	COURSE NAME	T	P	C
HLMN600	THESIS	0	0	0
Total		0		

8th SEMESTER

CODE	COURSE NAME	T	P	C
HLMN600	THESIS	0	0	0
Total		0		

Laboratory and Equipment Capacity (if applicable)

Not Applicable

Career Opportunities

Graduates of a PhD program in Health Management are equipped for advanced academic, research, and policy-oriented careers. They commonly pursue positions as university faculty members and researchers in health management, health policy, and health services research, as well as senior analytical and advisory roles within governmental institutions and international organizations. Additional career pathways include leadership and expert positions in health system governance, hospital and health care administration, health economics and outcomes research, and policy evaluation and consulting, contributing to evidence-based decision-making and the advancement of health systems at national and international levels.

Contact Information

Head of Department

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Head of the Department of Health Management
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European University of Lefke
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Tel: 0090392 660 2000 (Ext. 2561)

COURSE CATALOGUE DESCRIPTIONS

COMPULSORY COURSES:

BUSN629 Management Theory and Practice

This course will serve as an introduction to Management Theory, Science and Practice. We shall attempt to organize and present, in a practical way, the fundamental knowledge underlying the art and science of management. What is said in this course is intended to apply to managers at every level in every kind of organization or enterprise. We shall study management by examining the basic functions of a manager - planning, organizing, controlling, and leading - from a formal or technical point of view but using practical examples.

HM609 Ethics in Healthcare Management

This course supplies an overview of major ethical theories; ethical decision making models; application to patients' rights, confidentiality, informed consent, professional relationships, organizational ethics, responsibility for personal ethics.

HLMN602 Health Policy Analysis

This course provides a comprehensive analysis of health policies with a particular focus on comparative health policy frameworks. Students critically examine the health policy landscape of Turkey in comparison with other countries, exploring similarities and differences in policy design, implementation, and outcomes. Key topics include health care systems, policy development processes, regulatory mechanisms, financing models, and health care reforms. Through case studies and comparative analysis, students develop the skills required to evaluate health care policy practices and assess their impact on health system performance and population health.

BUSN614 Advanced Strategic Management Research

This course examines the design and operation of international management accounting control systems. Students will be introduced to various typologies of management control and consider the possibilities of management accounting work in relation to these. Such understandings of the interrelationship between management control and management accounting work will be related to a number of contextual considerations as well.

ELECTIVE COURSES

BUSN637 Managerial Finance

Along with marketing and finance, the operations function plays a vital role in achieving a company's strategic plans. Since the operations function produces the goods and provides the services, it typically involves the greatest portion of the company's employees and is responsible for a large portion of the firm's capital assets. This course addresses issues and methods of production/operations management. It focuses on the problems that frequently confront production/operations managers. After completing this course, the students should appreciate the role of operations managers in achieving a company's business goals. Topics discussed in this course include product strategy, process strategy and capacity planning, location and layout strategies, supply-chain management, material requirement planning, aggregate planning and scheduling.

HLMN651 Economics of Health and Healthcare

Cost-benefit analyses/ theoretical principles/ basic characteristics of the healthcare market/supply-demand and efficiency/ finance models and insurance in health/ efficiency and equity.

BUSN623 Theories of Organization

Organizations are all around us in society: we study in them, work for them, depend on them for goods and services, and we are often regulated or highly influenced by them. Therefore, we should aim to better understand them. Understanding organizations is essential to becoming more effective analysts, managers and leaders. Thus, this course focuses on basic theories like Contingency Theory, Resource Dependency Theory, Institutional Theory and Transaction Cost Theory.

HM600 Thesis

Supervised independent research on a topic arranged between the student and a faculty member and approved by the Administrative Committee of the Institute. It must be an original contribution to the field of health management.

HM690 Seminar

The expression of the subject, objectives and the discussions on the related theoretical issues, presentation of the consequences, the discussions of the thesis in regard to contemporary developments in health management.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF HORTICULTURAL PRODUCTION

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded

Programme Name: Horticultural Production and Marketing

Degree Awarded: Doctor of Physiology in Horticultural Production and Marketing

Duration of Studies

Normal duration is 8 semesters

Extra 4 semesters can be given to students to finalize their thesis.

Total Credits / ECTS

21 credits / Qualification Exam / 240 ECTS

Language of Instruction

The language of programme is English.

Mission and Vision

Mission

The mission of the Doctorate Program in Horticultural Production and Marketing is to train highly qualified researchers, academicians, and professionals who are capable of generating original scientific knowledge and innovative solutions to complex problems in horticultural science. The program aims to advance expertise in sustainable production systems, greenhouse technologies, crop protection, postharvest management, and agribusiness strategies. Through advanced coursework, independent research, and scholarly dissemination, the program prepares graduates to contribute to the global body of knowledge, lead multidisciplinary research projects, and influence policies and practices that shape the future of horticultural production and marketing.

Vision

The vision of the Doctorate Program in Horticultural Production and Marketing is to become a recognized center of excellence in horticultural research and education at the local and international level. The program aims to produce visionary scientists and leaders who will address critical challenges in food security, climate change, biodiversity conservation, and sustainable agricultural development.

Program Objectives

The Doctorate Program in Horticultural Production and Marketing aims to equip students with institutional, practical, and academic knowledge and skills in general plant production in the field of agriculture and specifically in the production of horticultural plants and the marketing of these products. The program includes topics such as plant production techniques, product preservation, plant breeding and genetics, seed production, seedling production and plant physiology. The program also covers areas such as traceability and sustainability in agricultural production and certified production. The doctorate program consists of seven courses, a doctorate qualifying exam after completing the courses, a seminar, and a thesis.

Program Learning Outcomes

Graduates of the Doctorate Program in Horticultural Production and Marketing will be able to:

- Demonstrate comprehensive and systematic knowledge in agricultural sciences, with advanced expertise in horticultural plant production, postharvest management, and marketing strategies.
- Develop original research that contributes to scientific advancement in areas such as plant physiology, plant breeding and genetics, biotechnology, seed and seedling production.
- Apply innovative techniques and critical approaches in the design, implementation, and evaluation of sustainable horticultural production systems, with emphasis on traceability, certification, and environmental responsibility.
- Analyze and solve complex and novel problems in horticultural production and marketing by integrating interdisciplinary knowledge, scientific methods, and advanced analytical tools.
- Produce and disseminate new scientific knowledge through peer-reviewed publications, conference presentations, and other academic platforms at both national and international levels.
- Lead and manage multidisciplinary research projects, demonstrating advanced skills in project planning, funding acquisition, data analysis, and team coordination.
- Demonstrate responsibility and ethical awareness in scientific research, professional practice, and decision-making processes.
- Engage in continuous learning and academic leadership, mentoring future researchers and professionals while advancing the frontiers of knowledge in horticultural production and marketing.

Curriculum

1 st SEMESTER (FALL)					2 nd SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
AGRH613	Agriculture and Environment	3	0	3	AGRH606	Advanced Greenhouse Techniques and Technologies	3	0	3
ES638	Water Reuse Technologies	3	0	3	AGRH620	Vegetable and Fruit Pests	3	0	3
AGRH607	Seed Control and Certification	3	0	3	AGRH621	Soil-Plant Relationship	3	0	3
AGRH609	Citrus Breeding	3	0	3	AGRH690	Seminar	0	2	0
3 rd SEMESTER (FALL)					4 th SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
AGRH650	Qualification Exam	0	2	0	AGRH600	Thesis	0	2	0
5 th SEMESTER (FALL)					6 th SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
AGRH600	Thesis	0	2	0	AGRH600	Thesis	0	2	0
7 th SEMESTER (FALL)					8 th SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
AGRH600	Thesis	0	2	0	AGRH600	Thesis	0	2	0

Laboratory and Equipment Capacity (if applicable)

Table 1. Laboratory and computer sources

Laboratory Name	Number of students	Area (m ²)
Chemistry Laboratory	30	100
Physics Laboratory	30	75
Horticulture Laboratory	20	100

Career Opportunities

Graduates of the Doctorate Program in Horticultural Production and Marketing are equipped with advanced academic, institutional, and professional qualifications that enable them to pursue high-level careers in academia, research, industry, and public administration. Typical career opportunities include:

- **Academic Positions.** Serving as lecturers, researchers, and academicians at universities and higher education institutions in the fields of horticulture, plant sciences and agricultural economics.
- **Research Scientists.** Conducting advanced research in national and international research centers, agricultural institutes, seed technology and postharvest systems.
- **Public Sector and Government Agencies.** Working as senior agricultural engineers, inspectors, or policy advisors in ministries of agriculture, food safety authorities, and rural development institutions.
- **International Organizations and NGOs.** Contributing to global programs on food security, traceability, climate-smart agriculture, biodiversity conservation, and sustainable horticulture as project leaders or consultants.
- **Industry and Agribusiness Leadership.** Taking managerial or executive roles in horticultural enterprises, greenhouse companies, seed and seedling firms, agricultural biotechnology companies, and agro-export organizations.
- **Consultancy and Advisory Services.** Providing expertise to producers, cooperatives, agribusinesses, and governmental or non-governmental projects on sustainable horticultural production and marketing strategies.
- **Entrepreneurship and Innovation.** Establishing innovative businesses in advanced plant production technologies, certified seedling and seed production, organic farming, and value-added processing and marketing of horticultural products.

Graduates of the program are uniquely positioned to shape the future of horticultural science and practice by combining advanced research skills with the ability to influence agricultural policies, industry standards, and international development strategies.

Contact Information

Head of Department

Assoc. Prof. Dr. İbrahim Kahramanoğlu – ikahramanoglu@eul.edu.tr

COURSE CATALOGUE DESCRIPTIONS

ES638 Water Reuse Technologies

Introduction to the basic concepts and issues involved in water reuse. Water conservation methods. Potential reuse applications. Sources of water for reuse. Collection of rain-water for various purposes. Treatment technologies suitable for water reuse applications. Criteria for each type of reuse application. The overall procedures for determining the feasibility and planning of water reuse systems as well as the management structure of reuse projects. The management of the biosolids resulting from the treatment of wastewater and related regulations governing their use and disposal. Reuse of treated wastewater effluents for irrigation. Separate collection and treatment of grey water from black water for reuse purposes.

AGRH607 Seed Control and Certification

Purpose of control and certification of vegetable seeds; general principles of control and certification systems; certification systems applied in Turkey and world; international organizations for seed certifications; control process in fields; sampling, packing and labelling of seeds for certification purpose; laboratory testings; seed import and export regulations.

AGRH609 Citrus Breeding

Improving the quality and resistance against storage, pest and diseases; general principles of modern breeding technics; hybridization, mutation and tissue culture.

AGRH606 Advanced Greenhouse Technics and Technologies

Choosing type of greenhouse and location to construct, evaluation of ecological conditions for different production models. Control principles of ecological factors. Evaluation of plant growing mediums for different production models. Soilless culture, production of seedlings. Recent developments in greenhouse vegetable and fruit cultivation.

AGRH620 Vegetable and Fruit Pests

Identification of insects which are harmful and cause damage on vegetable and fruits (morphological and biological properties). Many insects interact with plants, which they use particularly for feed, shelter and fuel. If densities of herbivorous insects are high enough they can become crop pest which require attention and maybe action. To do this as economical and sustainable as possible requires an ecologically based knowledge and understanding of: Insect-plant-ecology and more specifically the influence of soil, weather, fertilization, irrigation etc. on crop pest and their natural enemies. Monitoring and forecasting methodologies (development and function of systems) as well as control methods and overall management strategies (incl. legal and advisory implications). Prevention of attacks and manipulation of pest insects and their natural enemies through rotation and choice of crop, and farming system (organic, integrated, conventional). Influence of plant protection on wild flora and fauna of arable fields.

AGRH621 Soil-Plant Relationship

Plant nutrients; nutrient uptake and its dynamics in soil; dynamic of the soil plant system; ion movement in soil; allelopathy; effects of soil chemical specifications on plant growing; effects of soil pH on plant growing; effects of soil physical characteristics on plant growing; soil texture and structure; effects of growing plants on soil chemical and physical properties; effect of nitrate and

ammonium nutrition of plants on soil pH; root exudates and their effects on soil chemical and physical properties; root exudates and soil micro organisms.

AGRH613 Agriculture and Environment

The uses and the problems which created in environment. Agricultural systems which are compatible with environment. Integrated agriculture, the benefits to the local people and the environment. Why should the environment and nature be protected. System approaches and planning method in environment and nature protection. Legal and environmental grounds of national and international protection of the environment and nature. The importance of protecting the environment and nature and the applications in Cyprus. The EU's environmental and conservation regulations, the FFH-Directives and the Natura 2000 protected area network system. Protected areas and problems in Cyprus.

AGRH600 Thesis

Supervised independent research on a topic arranged between the student and a faculty member and approved by the Administrative Committee of the Institute. It must be an original contribution to the field of horticultural production and marketing.

AGRH690 Seminar

The expression of the subject, objectives and the discussions on the related theoretical issues, presentation of the consequences, the discussions of the thesis in regard to contemporary developments in horticultural production and marketing.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF INTERNATIONAL RELATIONS

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name: International Relations

Degree Awarded: PhD in International Relations

Duration of Studies

Normal duration is 8 semesters

Total Credits / ECTS

21 credits / 120 ECTS

Language of Instruction

The language of program is English.

Mission and Vision

The mission of International Relations PhD program is:

1. To improve the factual knowledge and practical competences of the PhD students through extensive research on contemporary issues that are constantly emerging on the global scene;
2. To equip students with intellectual depth and with the necessary tools to think independently, develop critical and unbiased understanding and be open-minded about alternative points of view;
3. To provide students with the knowledge and skills necessary to understand the dynamics, policies, economic relations and cultural interactions of the international system;
4. To prepare well-educated students to pursue their career opportunities in public institutions including various branches of the ministries of the state, academia, media and international organizations.

The vision of International Relations PhD program is:

The PhD Program in International Relations aims to provide students with a solid ground in this field and to offer perspectives that will enable them to further develop themselves in this area. In line with this objective, conducting research that contributes to the literature on international relations is one of the program's primary goals.

Program Objectives

The PhD program in International Relations aims to provide students with theoretical knowledge and developments that have occurred and are occurring in international relations. Within this framework, international relations theories are presented in detail with examples, and the aim is to conduct an in-depth analysis of international developments that have occurred in the past and are occurring today. To this end, the PhD program includes courses on international relations theories, international politics, world political history, and international law.

Program Learning Outcomes

1. To develop and deepen theoretical and conceptual proficiencies in the field of International Relations
2. To provide skills for applying theoretical approaches to International Relations to the current developments in the field of international relations
3. To evaluate the relationships among different factors in the field of International Relations including concepts, domestic and international actors, structures and domestic institutions and international organizations from a critical perspective
4. To establish connections between different disciplines of social sciences such as international relations, history, political science, and law
5. To analyse and interpret the regional and international developments within the framework of international relations theories
6. To contribute to the international relations literature by conducting academic research and developing unique arguments
7. To obtain high level academic and scientific research skills, ability to analyse international developments, and ethics
8. To develop high-level written and oral communication skills including expressing ideas and preparing effective presentations in academic and professional platforms
9. To develop academic and scientific research projects, and write an original thesis in the field of International Relations with required scientific criteria
10. To ensure that students become socially aware and morally responsible in their future professional lives

Curriculum

1 st SEMESTER (FALL)					2 ND SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
INTR601	Advanced Theories and Practices of International Relations	3	0	3	BUSN614	Advanced Strategic Management Research	3	0	3
INTR603	Foreign Policy Analysis	3	0	3	INTR602	History, Politics and International Relations	3	0	3
IREL01	Elective I	3	0	3	IREL03	Elective III	3	0	3
IREL02	Elective II	3	0	3	INTR610	Seminar	0	2	0
Total: 21 credits									

3rd SEMESTER

CODE	COURSE NAME	T	P	C
INTR620	PhD Qualification Exam (No credit)	0	2	0
Total		0		

4th SEMESTER

CODE	COURSE NAME	T	P	C
INTR600	Thesis Proposal: Defense and Approval of Thesis Topic by Thesis Monitoring Committee (TIK) (No credit)	0	2	0
Total		0		

5th SEMESTER

CODE	COURSE NAME	T	P	C
INTR600	Thesis (Non-credit)	0	2	0
Total		0		

6th SEMESTER

CODE	COURSE NAME	T	P	C
INTR600	Thesis (Non-credit)	0	2	0
Total		0		

7th SEMESTER

CODE	COURSE NAME	T	P	C
INTR600	Thesis (Non-credit)	0	2	0
Total		0		

8th SEMESTER

CODE	COURSE NAME	T	P	C
INTR600	Thesis (Non-credit)	0	2	0
Total		0		

FOUNDATION PROGRAM (if required):

FALL SEMESTER					SPRING SEMESTER				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
INTR501	Theories of International Relations	0	0	0	INTR502	Political Theory and Analysis	0	0	0
CGCR501	Research Methods	0	0	0	CGCR502	Data Analysis	0	0	0
INTR504	Crisis Management & Conflict Resolution	0	0	0	INTR505	Power Politics	0	0	0

Career Opportunities

1. Academic Positions: Serving as lecturers, researchers, and academicians at universities and higher education.
2. Public Sector and Government Agencies. To gain the opportunity to work in foreign ministries, national institutions.
3. International Organizations. Working in international organizations such as the United Nations and regional organizations such as the European Union, the Council of Europe and the African Union.
4. Media Sector: Working in the visual and print media.
5. Consultancy and Advisory Services: To provide consultancy services and submit reports to national and international institutions and civil society organizations.

Contact Information

Head of Department
Prof. Dr. Ali Dayıođlu
adayioglu@eul.edu.tr

COURSE CATALOGUE DESCRIPTIONS

INTR601 Advanced Theories and Practices of International Relations

The objective of this course is to provide the necessary conceptual and methodological tools to analyze the current issues as well as the international system. The Three main theoretical approaches Liberal, Conservative and Revolutionary also the alternatives such as critical international theory, constructivism, post-modernism, post-colonial discourse and normative theories are the main approaches under consideration. In this respect, the course is aimed to examine these theories and how they approach to the concepts of Power, Change, Order, institutions and international system.

INTR603 Foreign Policy Analysis

The course aims to analyse how states formulate and implement their foreign policies in a theoretical and process-oriented way by focusing on the policy inputs and decision-making processes. It will follow a levels-of-analysis framework to organize the theoretical literature on foreign policy. Within the general framework of the foreign policy analysis, the course also compares and contrasts foreign policy decision-making process of different countries.

BUSN614 Advanced Strategic Management Research

This course examines the design and operation of international management accounting control systems. Students will be introduced to various typologies of management control and consider the possibilities of management accounting work in relation to these. Such understandings of the interrelationship between management control and management accounting work will be related to a number of contextual considerations as well.

INTR602 History, Politics and International Relations

The purpose of this graduate seminar is to give students a general understanding of philosophy of history and to explore its possible implications for political theory and the study of international relations. The idea of history and its relations with human knowledge i.e. the problem of theory and history is the first issue to be dealt with. Then, the relations between history, political theory and the study of international relations are to be analyzed and the basic problems and issues are to be considered.

INTR610 Seminar

The expression of the subject, objectives and the discussions on the related theoretical issues, presentation of the consequences, the discussions of the thesis in regard to contemporary developments in international relations.

INTR600 Thesis

Supervised independent research on a topic arranged between the student and a faculty member and approved by the Administrative Committee of the Institute. It must be an original contribution to the field of international relations.

ELECTIVE COURSES

INTR604 Peace Studies

Peace Studies is a field of social science focused on the multilevel study of violence and conflict in a complex and increasingly inter-dependent world. The purpose of this course is to provide students necessary subject-specific knowledge and understanding of: The theories and concepts of peace and conflict and their application to global, regional and local contexts. The emergence, nature and significance of peace studies as a distinct field of academic enquiry. The main concepts in the field and their application to contemporary issues.

INTR607 Global Governance

The objective of this course is to examine the role of international organizations in a globalizing world. In this context, it focuses on the roles of states and non-state actors in global governance and attempts to analyze various examples of international organizations from historical, conceptual and theoretical perspectives.

INTR635 Researching International Organizations

This course will offer a comprehensive examination of international organizations 'political and structural role in world politics and explore the roles and impacts of international organizations at regional and global levels. We will critically examine the complexity and changing nature of the interrelationships between political and legal aspects of international organizations and shed light on the methodological challenges that come with the complexity of international organizations, addressing and simultaneously bridging differing perspectives between interpretation and explanation. Through presentations and guided research, this course will encourage PhD candidates to improve their own skills and capacities for engaging constructively in critical issue areas of international organizations research.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF MANAGEMENT INFORMATION SYSTEMS

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded: Management Information Systems / PhD Degree

Duration of Studies: 4 years

Total Credits / ECTS: 21 Credits / 240 ECTS

Language of Instruction: English

Mission and Vision:

Mission:

- To provide a rigorous research-oriented education in Management Information Systems.
- To develop scholars capable of conducting independent and innovative research.
- To contribute to both theoretical and practical advancements in the MIS field.
- To prepare graduates for academic, industrial, and policy-making roles internationally.
- To promote ethical research practices, critical thinking, and lifelong learning.

Vision:

- To become a leading research hub in Management Information Systems.
- To achieve excellence in producing high-quality scholars and thought leaders.
- To generate innovative solutions and foster cutting-edge research in MIS.
- To contribute to the global advancement of knowledge and technology.
- To establish international recognition and collaboration in academic and professional circles.

Program Objectives:

- To provide advanced knowledge and deep understanding of Management Information Systems.
- To develop students' ability to conduct independent, original, and high-quality research in MIS.
- To foster critical thinking, analytical, and problem-solving skills for complex organizational and technological challenges.
- To prepare graduates for academic careers, research positions, and leadership roles in industry and policy-making.
- To enhance the ability to integrate interdisciplinary knowledge from technology, management, and social sciences.
- To encourage innovation, creativity, and contribution to theoretical and applied MIS research.
- To cultivate ethical awareness, professional responsibility, and commitment to lifelong learning.
- To establish collaboration with industry, academia, and research institutions to apply research outcomes effectively.

Program Learning Outcomes

Knowledge

- Demonstrate advanced theoretical knowledge in Management Information Systems and related disciplines.
- Understand and evaluate research methodologies, scientific approaches, and current trends in MIS.
- Critically assess emerging technologies and their impact on organizations and society.

Skills

- Conduct independent research, analyze data, and generate innovative solutions to MIS problems.
- Apply quantitative and qualitative research methods effectively.
- Communicate research findings clearly in academic publications, conferences, and professional reports.
- Integrate interdisciplinary knowledge from management, technology, and information systems to address complex problems.

Competences

- Exhibit leadership, project management, and collaboration skills in research and professional settings.
- Demonstrate ethical responsibility, social awareness, and adherence to academic integrity.
- Engage in lifelong learning to adapt to emerging technologies and evolving research challenges.
- Contribute to the global knowledge base and promote the advancement of MIS theory and practice.

Curriculum

MANAGEMENT INFORMATION SYSTEMS					
<i>1-3 SEMESTER</i>			<i>2-4 SEMESTER</i>		
COURSE CODE	COURSE NAME	CREDIT	COURSE CODE	COURSE NAME	CREDIT
BUSN629	Management Theory and Practice	(3,0)3	BUSN614	Advanced Strategic Management Research	(3,0)3
BUSN661	Quantitative Methods	(3,0)3	MIS602	Distributed Computing	(3,0)3
MIS601	Advanced Topics in Simulations	(3,0)3	MIS604	Network Science: Theory and Applications	(3,0)3
MIS603	Special Topics in MIS	(3,0)3	MIS690	Seminar	(0,0)0
MIS650	Doctoral Qualification Examination (Non-credit)		MIS600	Thesis	(0,0)0

Career Opportunities

Graduates of the MIS Doctoral Program are equipped for distinguished careers in academia, research, and high-level professional practice. They can serve as faculty members, researchers, or academic leaders in universities and research institutions worldwide. In the professional arena, they are prepared for roles such as senior IT consultants, technology strategists, research and development directors, and digital transformation leaders. Graduates may also contribute to policy-making in governmental and international organizations, provide expert guidance in think tanks, or lead innovation projects in the private sector. With their advanced expertise, they are capable of shaping the future of information systems through scholarly contributions, cutting-edge research, and practical applications.

Contact Information

Head of Department: Asst. Prof. Dr. Ersin Çağlar

Mobile: 0533 868 62 61 – 0533 836 67 56

Emails: ecaglar@eul.edu.tr– erscaglar@gmail.com

Address: Enveriye hanım sokak, çoşku villaları no:21 Çatalköy.

COURSE CATALOGUE DESCRIPTIONS

1st Semester

BUSN629 Management Theory and Practice

This course will serve as an introduction to Management Theory, Science and Practice. We shall attempt to organize and present, in a practical way, the fundamental knowledge underlying the art and science of management. What is said in this course is intended to apply to managers at every level in every kind of organization or enterprise. We shall study management by examining the basic functions of a manager - planning, organizing, controlling, and leading - from a formal or technical point of view but using practical examples.

BUSN661 Quantitative Methods

This course introduces students to the fundamental quantitative tools and analytical techniques used in business research and decision-making. The course covers statistical concepts, data collection, probability theory, hypothesis testing, regression analysis, and multivariate techniques with a focus on practical applications in management and social sciences. Emphasis is placed on developing the ability to interpret quantitative results, apply appropriate methodologies, and utilize software tools for data analysis. By the end of the course, students will be able to design and conduct quantitative research, analyze complex datasets, and make evidence-based managerial decisions.

MIS601 Advanced Topics in Simulations

Systems and their models. Analytical and simulation modeling. Structure of a discrete event simulation algorithm. Randomness in simulation. Random number generators and their characteristics. Queuing systems. Simulation languages and tools. Simulation for modeling. Software packages for simulation and the related simulation tool. Simulation experiments. Statistical processing of output results of simulation.

MIS603 Special Topics in MIS

This course offers an in-depth exploration of a special topic, issue, or current trend in the management information systems field such as; cloud computing, green computing, forensic computing, cryptocurrency, blockchain. This course will include special topics or issues that are not addressed in other courses. Besides for this, course provides students an opportunity to explore emerging computer technologies, industry-specific information systems, and current issues in business information systems.

2nd Semester

BUSN614 Advanced Strategic Management Research

This course provides an in-depth exploration of contemporary theories, models, and research methods in the field of strategic management. The course emphasizes critical evaluation of academic literature, development of advanced research skills, and application of strategic frameworks to complex organizational problems. Students will engage with current debates on competitive advantage, corporate governance, innovation strategies, and sustainability while learning to design and conduct independent research projects. By the end of the course, students

are expected to produce research that demonstrates both theoretical rigor and practical relevance in the discipline of strategic management.

MIS602 Distributed Computing

Evolution of computer networks, distributed systems and distributed computing. Definition and basic characteristics of distributed systems. Formal techniques for the description and investigation of distributed systems. Networking for distributed computing. Distributed computing in the Internet. TCP/IP protocols for distributed computing in the Internet. Processes and the remote interprocess communication for distributed computing. Advanced Internet sockets and Remote Procedure Call (RPC). Group communication paradigms. Multicasting. Distributed load balancing of servers. Distributed mutual exclusion of processes. Leader election in distributed systems. Distributed anycast computing. Concepts and notions of Peer-to-Peer (P2P) and grid distributed computing. Some architectures and packages for the organization of P2P distributed data processing.

MIS604 Network Science: Theory and Applications

This course will introduce doctoral students to quantitative methods in network science used to model, analyze, and understand various complex systems and the unique interactions among their components. Topics to be covered include the mathematics of networks (graph theory), data analysis, and applications to technology, business, and other relevant fields. Students will learn about ongoing research in the field, and ultimately apply their knowledge to conduct their own analysis of a large real world complex system and corresponding dataset(s) of their choosing as part of the final research paper. Student will learn fundamental network theory including, properties of networks, measures and metrics such as centrality, transitivity, reciprocity, homophily, and others. Student will cover concepts such as small-world effects, modularity, degree distributions, and assortative mixing. Algorithms on graphs including traversals, and graph partitioning will be explained. Student will study random graphs models together with graph clustering methods, small and giant components, power-law distribution, and others. Student will also study the concepts of percolation and network reliance, epidemics, and dynamic systems as well as signed networks. Students at the end of the system will have gained knowledge to analyze complex systems by modeling interactions among the components as a network. Students will also learn to analyze these networks by implementing and using various algorithms and visualizing the results of the algorithms and ultimately integrating networks with prediction models. The course is expected to use Python, GEPHI, and SNAP to construct and analyze large datasets using network science.

MIS690 Seminar

The seminar course is given after the completion of the credit courses. It is evaluated as successful or unsuccessful at the end of the semester.

3rd Semester

MIS650 Doctoral Qualification Examination

MIS650 Doctoral Qualification Examination is a comprehensive assessment designed to evaluate doctoral students' mastery of core knowledge, theoretical foundations, and research methodologies in Management Information Systems. The examination measures the student's ability to critically analyze academic literature, integrate knowledge across MIS subfields, and demonstrate readiness to undertake independent doctoral-level research. Successful completion of the qualification examination is a prerequisite for advancing to the dissertation

stage, ensuring that students possess the necessary scholarly competence and research capabilities to contribute to the academic and professional field of MIS.

4th Semester

MIS600 Thesis

The thesis must be original and should reveal the research and analysis ability of the student. Also, the practical application issues must be covered in the thesis. The topic of the thesis can be determined between the thesis advisor and the student. The thesis will be defended by the student in front of the jury. The thesis can be evaluated as successful or unsuccessful.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF NUTRITION & DIETETICS

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded: Doctor of Philosophy in Nutrition and Dietetics

Duration of Studies: 4 year

Total Credits / ECTS: 21 Credits/240 ECTS

Language of Instruction: English

Mission

To educate scientists and academicians equipped with advanced theoretical and practical knowledge in the field of Nutrition and Dietetics, capable of producing original research that contributes to the scientific literature and public health; who are ethically responsible, critically thinking, innovative, and committed to interdisciplinary collaboration and lifelong learning.

Vision

To become a globally recognized and leading doctoral program in the field of Nutrition and Dietetics that produces qualified researchers, pioneers innovative studies, contributes to the development of nutrition science, and plays an influential role in improving the health and quality of life of individuals and societies.

Program Objectives;

The primary objectives of the PhD program in Nutrition and Dietetics are:

1. To train researchers and academicians capable of conducting independent, original, and interdisciplinary research in the field of nutrition and dietetics.
2. To contribute to scientific advancement and evidence based practice through high impact publications and projects.
3. To address national and global nutritional problems with scientific and ethical approaches.
4. To develop leadership and communication skills in future academics and field experts.
5. To support the training of professionals who can integrate public health, clinical, and policy oriented perspectives in nutrition science.

Program Learning Outcomes;

Upon successful completion of the program, graduates will be able to:

1. Demonstrate comprehensive and in depth theoretical knowledge in the field of nutrition and dietetics.
2. Design, conduct, and publish original scientific research adhering to ethical standards.
3. Develop and implement innovative approaches to solve complex nutritional issues in clinical and community settings.
4. Critically evaluate and integrate current scientific evidence into practice and research.
5. Collaborate effectively in multidisciplinary and international research projects.
6. Lead academic, clinical, and public health initiatives related to nutrition at national and international levels.
7. Demonstrate proficiency in academic communication, including presenting and publishing research findings.

8. Engage in lifelong learning and actively contribute to the development of the field.
9. Analyze nutritional issues from sociocultural, economic, and policy based perspectives.
10. Supervise and mentor junior researchers and students in the field of nutrition science.

Curriculum

1 st SEMESTER (FALL)					2 ND SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
NDTE601 (Compulsory)	Advanced Nutrition	3	0	3	NDTE602 (Compulsory)	Principles of Nutrition Education and Behaviour Change Approaches	3	0	3
NDTE603 (Compulsory)	Current Approaches in Clinical Nutrition	3	0	3	NDTE604 (Elective)	Eating Behaviours and Food Choices	3	0	3
NDTE605 (Elective)	Functional Foods and Bioactive Compounds	3	0	3	NDTE606 (Elective)	Nutrition in Gastrointestinal Diseases	3	0	3
<i>NDTE607 (3-0)3 Research Planning and Methodology in Health Sciences (common course)</i>									
Total: 21 credits									

3rd SEMESTER

CODE	COURSE NAME	T	P	C
NDTE690	Seminar (Non-credit)	0	0	0
		0	0	0
Total		0		

4th SEMESTER

CODE	COURSE NAME	T	P	C
NDTE650	Doctoral Qualification Examination (Non-credit)	0	0	0
Total		0		

5th SEMESTER

CODE	COURSE NAME	T	P	C
NDTE600	Thesis (Non-credit)	0	0	0
Total		0		

6th SEMESTER

CODE	COURSE NAME	T	P	C
NDTE600	Thesis (Non-credit)	0	0	0
Total		0		

7th SEMESTER

CODE	COURSE NAME	T	P	C
NDTE600	Thesis (Non-credit)	0	0	0
Total		0		

8th SEMESTER

CODE	COURSE NAME	T	P	C
NDTE600	Thesis (Non-credit)	0	0	0
Total		0		

Laboratory and Equipment Capacity

- Nutrition and Dietetics Practice Laboratory
- Anthropometric Measurement Room
- Integrated Laboratory of Biochemistry, Pharmacology, and Pharmaceutical Chemistry

Career Opportunities

Graduates of the PhD in Nutrition and Dietetics (English) program are equipped with advanced academic, research, and leadership competencies, enabling them to pursue diverse and impactful career paths, including:

- **Academic Careers:** Serving as faculty members or researchers at national and international universities and research institutions.
- **Scientific Research:** Leading or participating in interdisciplinary research projects funded by national and international organizations.
- **Public Health and Policy Development:** Working as nutrition experts or policy advisors in ministries of health, public institutions,
- **Clinical Nutrition Leadership:** Holding senior roles in clinical nutrition departments of hospitals or healthcare organizations, including nutrition clinic management and training coordination.
- **Food and Pharmaceutical Industries:** Contributing to R&D, product innovation, nutritional assessment, labeling, or health claim substantiation in industry settings.
- **Consultancy and Advocacy:** Serving as expert consultants in food safety, community nutrition, and public health education programs.
- **Postdoctoral and International Academic Mobility:** Engaging in postdoctoral fellowships, academic exchange, or research positions abroad, expanding global scientific impact.
- **Entrepreneurship:** Founding evidence-based initiatives, start-ups, or consultancies in health promotion, dietetics technologies, or nutrition education.

Contact Information

Adress: European University of Lefke, Institute of Graduate Studies and Research, Lefke, Mersin 10, Turkey, TRNC

Tel: +90 392 660 2000 – 2843

E-posta: institute@eul.edu.tr

Head of Department: Asst. Prof. Dr. Kamil Dağcılar

Adress: European University of Lefke, Faculty of Health Sciences, Lefke, Mersin 10, Turkey, TRNC

Phone: +90 392 660 2000 – 3560

E-mail: kdagcilar@eul.edu.tr

COURSE CATALOGUE DESCRIPTIONS

NDTE601 Advanced Nutrition

This course offers an in depth analysis of macronutrient and micronutrient metabolism, integrating recent scientific discoveries in molecular nutrition, nutrient gene interactions, and metabolic regulation. Emphasis is placed on the physiological and biochemical mechanisms through which nutrients influence health and disease across the life span. Students will critically evaluate the evidence linking nutrient intake to chronic diseases and apply advanced concepts in nutrition science to research and practice.

NDTE603 Current Approaches in Clinical Nutrition

This course explores contemporary practices and evidence based strategies in clinical nutrition. Topics include advanced nutritional care in metabolic disorders, enteral and parenteral nutrition, and individualized therapeutic diets for complex health conditions. The course emphasizes critical thinking in clinical decision making, interpretation of diagnostic tools, and application of clinical nutrition guidelines in multidisciplinary healthcare settings.

NDTE605 Functional Foods and Bioactive Compounds

This course examines the science behind functional foods and bioactive compounds, emphasizing their roles in promoting health and preventing disease. Students will explore the biochemical properties, mechanisms of action, regulatory issues, and health claims associated with phytochemicals, nutraceuticals, and dietary supplements. The course also covers the design of functional food products and their evaluation through clinical and epidemiological research.

NDTE602 Principles of Nutrition Education and Behaviour Change Approaches

This course aims to provide an advanced understanding of nutrition education theories, models, and behavior change approaches used to promote healthy eating habits and improve public health outcomes. Emphasis is placed on the development, implementation, and evaluation of effective nutrition education programs for different target populations. The course covers evidence-based communication techniques, social marketing principles, cultural considerations, and the use of digital tools in nutrition education. Students will also critically evaluate current research and develop an applied project that integrates behavioral theories with practical intervention design.

NDTE604 Eating Behaviors and Food Choices

This course delves into the psychological, sociocultural, and environmental factors that influence eating behaviors and food choices. Topics include appetite regulation, emotional eating, food marketing, consumer behavior, and behavioral interventions for dietary change. Students will evaluate theoretical models and evidence-based strategies to understand and modify eating behaviors across diverse populations.

NDTE606 Nutrition in Gastrointestinal Diseases

This course explores the pathophysiology and nutritional management of gastrointestinal disorders such as inflammatory bowel disease, irritable bowel syndrome, celiac disease, and liver disorders. Emphasis is placed on evidence-based dietary interventions, clinical guidelines, and the role of the gut microbiota in health and disease. Students will gain skills in designing individualized nutrition care plans for patients with gastrointestinal conditions.

NDTE607 Research Planning and Methodology in Health Sciences

This interdisciplinary course provides doctoral students with foundational and advanced tools for designing, planning, and managing research projects in health sciences. Topics include problem identification, hypothesis formulation, research ethics, funding and grant writing, and interdisciplinary collaboration. Students will explore various research designs such as clinical trials, observational studies, implementation research, and systematic reviews. The course also emphasizes methodological rigor, data management planning, stakeholder engagement, and translation of research into practice and policy. The course culminates in the preparation of a comprehensive and fundable research proposal.

NDTE600 Thesis

Supervised independent research on a topic arranged between the student and a faculty member and approved by the Administrative Committee of the Institute. It must be an original contribution to the field of nutrition and dietetic.

NDTE690 Seminar

The expression of the subject, objectives and the discussions on the related theoretical issues, presentation of the consequences, the discussions of the thesis in regard to contemporary developments in nutrition and dietetic.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF PHYSIOTHERAPY & REHABILITATION

PROGRAM INFORMATION

www.eul.edu.tr

PROGRAM INFORMATION

Program Name and Degree Awarded

Physiotherapy & Rehabilitation (PhD)

Duration of Studies

4 years

Total Credits / ECTS

21 credits

Language of Instruction

English

Mission and Vision

Mission

The mission of the PhD in Physiotherapy & Rehabilitation program is to educate highly qualified researchers and academicians who:

- Generate original scientific knowledge through advanced research,
- Apply evidence-based and innovative approaches to address complex health challenges,
- Contribute to the development of physiotherapy as a discipline at national and international levels,
- Lead interdisciplinary collaborations to promote health, well-being, and rehabilitation across diverse populations,
- Uphold ethical principles and professional responsibility in research, education, and practice.

Vision

To be a leading doctoral program that advances excellence in physiotherapy and rehabilitation research, fosters innovation in health sciences, and contributes to the global improvement of human health and quality of life.

Program Objectives

The PhD in Physiotherapy & Rehabilitation program aims to prepare advanced scholars and researchers who will lead the development of physiotherapy science and practice. The program's primary objectives are to:

- Provide students with advanced knowledge and critical perspectives in physiotherapy, rehabilitation, and related health sciences,
- Develop high-level research skills to design, conduct, and disseminate original scientific studies,
- Foster innovation and evidence-based approaches that contribute to improved patient care and health policies,
- Cultivate leadership and expertise for academic, clinical, and interdisciplinary settings,

- Equip graduates to engage in national and international collaborations, contributing to the global advancement of physiotherapy and rehabilitation.

Program Learning Outcomes

1. Demonstrate in-depth, systematic, and advanced knowledge in physiotherapy, rehabilitation, and related health sciences.
2. Critically evaluate current theories, models, and practices, identifying gaps and generating innovative perspectives in the field.
3. Design, conduct, and manage independent, original, and high-quality scientific research in physiotherapy and rehabilitation.
4. Apply advanced statistical, methodological, and analytical tools to produce reliable, evidence-based findings.
5. Integrate interdisciplinary knowledge and approaches to develop novel rehabilitation strategies and interventions.
6. Publish scientific work in peer-reviewed national and international journals, and present at scientific conferences.
7. Demonstrate leadership in academic, clinical, and research environments by guiding teams and mentoring future professionals.
8. Uphold high ethical and professional standards in research, education, and practice.
9. Critically assess the societal impact of research outcomes and contribute to health policies and community well-being.
10. Engage in national and international collaborations to promote global advancement of physiotherapy and rehabilitation sciences.

Curriculum

PhD IN PHYSIOTHERAPY & REHABILITATION		
1st Year Fall	COURSE CODE AND NAME	CRE DIT
1	XXX1 (PTR602) ELECTIVE I (PREVENTIVE PHYSIOTHERAPY AND REHABILITATION)	3
2	XXX2 (PTR604) ELECTIVE II (PHYSIOTHERAPY FOR MUSCULOSKELETAL CONDITIONS)	3
3	XXX3 (PTR605) ELECTIVE III (EXERCISE APPROACH IN PHYSIOTHERAPY)	3
1st Year Spring	COURSE CODE AND NAME	CRE DIT
4	PTR690 SEMINAR	0
5	XXX4 (PTR606) ELECTIVE IV (PHYSIOTHERAPY AND REHABILITATION IN NEUROLOGICAL DISEASES)	3
6	XXX5 (PTR603) ELECTIVE V (EVIDENCE BASED RESEARCH IN ORTHOPEDIC CASES)	3
7	XXX6 (PTR601) ELECTIVE VI (PHYSIOTHERAPY AND REHABILITATION OF CARDIOPULMONARY DISEASES)	3
8	XXX7 (PTR607) ELECTIVE VII (CLINICAL STUDY)	3
2nd Year Fall	COURSE CODE AND NAME	CRE DIT
9	PTR650 QUALIFICATION EXAM	0
2nd Year Spring	COURSE CODE AND NAME	CRE DIT
10	PTR600 THESIS	0

Laboratory and Equipment Capacity (if applicable)

Laboratories Used in Applied Courses:

- Anatomy Laboratory
- Manipulation and Mobilization Laboratory
- Electrotherapy Laboratory
- Neurological Rehabilitation Laboratory
- Hydrotherapy Laboratory

Inventories not included in the laboratories:

Laboratory	Inventories
Manipulation and Mobilization Laboratory	4 fixed stretchers 9 mobile stretchers 1 shoulder wheel 2 finger ladders 1 bar 2 cabinets
Electrotherapy Laboratory	13 stretchers 1 traction device and bed 7 enraf devices 1 short-wave diathermy device 1 microwave diathermy device 2 cabinets
Hydrotherapy Laboratory	8 thermostatic whirlpool bathtubs 2 infrared devices 1 hot pack boiler 1 cold pack boiler 1 paraffin boiler 1 stretcher 1 cabinet
Neurological Rehabilitation Laboratory	2 Bobath beds 2 Pneumatic compression devices 1 verticalization bed 4 cabinets with doors 1 parallel bar 1 corner ladder 1 wheelchair

Career Opportunities

Graduates of the PhD in Physiotherapy & Rehabilitation program are equipped with advanced expertise, research competence, and leadership skills that open diverse career pathways in academic, clinical, and research settings. Potential career opportunities include:

- **Academic Positions:** Serving as faculty members, researchers, or program leaders in universities and higher education institutions worldwide.
- **Research Careers:** Leading or collaborating in national and international research projects within physiotherapy, rehabilitation sciences, public health, and interdisciplinary health fields.
- **Clinical Leadership:** Acting as clinical directors, advanced practice consultants, or rehabilitation program coordinators in hospitals, rehabilitation centers, and specialized health facilities.
- **Health Policy and Advisory Roles:** Contributing to the development of national and international health policies, guidelines, and professional standards.
- **Innovation and Technology:** Engaging in the design, evaluation, and implementation of novel health technologies, digital health solutions, and rehabilitation innovations.
- **Consultancy:** Providing expert consultancy services to health organizations, sports institutions, community health programs, and non-governmental organizations.
- **International Opportunities:** Working with global health agencies, professional associations, and cross-border academic collaborations to advance the profession worldwide.

Contact Information: *Head of Department* - Prof. Dr. Serpil Ünyayar (V)
sunyayar@eul.edu.tr

COURSE CATALOGUE DESCRIPTIONS

PTR602 – Preventive Physiotherapy and Rehabilitation

This course focuses on advanced concepts and strategies in preventive physiotherapy. Emphasis is placed on designing, implementing, and evaluating preventive rehabilitation programs aimed at reducing the incidence of musculoskeletal, neurological, and cardiopulmonary conditions. Students critically analyze current preventive models and develop innovative approaches for community and clinical practice.

PTR604 – Physiotherapy for Musculoskeletal Conditions

An advanced exploration of physiotherapeutic interventions for complex musculoskeletal disorders. The course integrates biomechanical, clinical, and evidence-based perspectives to design individualized treatment strategies. Emphasis is placed on critical appraisal of current research and the development of innovative rehabilitation approaches for musculoskeletal health.

PTR605 – Exercise Approach in Physiotherapy

This course examines the theoretical and practical foundations of exercise prescription in physiotherapy. Students learn to design, adapt, and critically evaluate exercise programs for diverse populations, including patients with chronic disease, aging individuals, and athletes. The role of exercise in prevention, rehabilitation, and health promotion is explored through evidence-based practice.

PTR690 – Seminar

This course provides a platform for doctoral students to present, discuss, and critique current research topics in physiotherapy and rehabilitation. Emphasis is placed on developing scientific communication skills, critical appraisal of research, and the ability to synthesize knowledge across disciplines.

PTR606 – Physiotherapy and Rehabilitation in Neurological Diseases

An in-depth examination of physiotherapy approaches in neurological rehabilitation. The course addresses advanced therapeutic strategies for conditions such as stroke, spinal cord injury, multiple sclerosis, and Parkinson's disease. Students integrate clinical evidence with innovative rehabilitation methods to enhance functional outcomes.

PTR603 – Evidence-Based Research in Orthopedic Cases

This course focuses on evidence-based physiotherapy practice in orthopedic rehabilitation. Students critically review and apply current research findings to clinical decision-making in complex orthopedic cases. Emphasis is placed on research design, methodology, and the translation of evidence into innovative clinical practice.

PTR601 – Physiotherapy and Rehabilitation of Cardiopulmonary Diseases

An advanced course addressing physiotherapeutic interventions in acute and chronic cardiopulmonary conditions. Topics include advanced assessment techniques, exercise training, pulmonary rehabilitation, and critical care physiotherapy. Students develop and evaluate evidence-based rehabilitation programs tailored to individual patient needs.

PTR607 – Clinical Study

This course provides doctoral students with supervised clinical research experience. Students design and conduct original studies, apply advanced research methodologies, and critically analyze outcomes within physiotherapy practice. Emphasis is placed on ethical research conduct, data interpretation, and dissemination of findings.

PTR650 – Qualification Exam

A comprehensive examination assessing students' mastery of theoretical knowledge, research methodology, and critical analysis in physiotherapy and rehabilitation. Successful completion demonstrates readiness to undertake independent doctoral research.

PTR600 – Thesis

The doctoral thesis requires the design, execution, and presentation of an original research project that contributes new knowledge to the field of physiotherapy and rehabilitation. The thesis is expected to demonstrate advanced research skills, critical analysis, and scholarly innovation, culminating in publication-quality work.



LEFKE AVRUPA ÜNİVERSİTESİ
EUROPEAN UNIVERSITY OF LEFKE

PROGRAM OF NURSING

PROGRAM INFORMATION

PROGRAM INFORMATION

Name of the Program and Degree Awarded : PhD in Nursing

Duration of Study : 4 years (8 semesters)

Total Credits / ECTS : 21 credits / 120 ECTS

Language of Instruction : English

Mission and Vision

Mission

The mission of the PhD Program in Nursing is to prepare nurse scientists and advanced practitioners who generate, synthesize, and disseminate knowledge to improve health outcomes across the lifespan. The program aims to cultivate critical thinking, ethical responsibility, and interdisciplinary collaboration through rigorous education in nursing philosophy, research methodologies, symptom management, and health promotion. Graduates are equipped to lead evidence-based practice, contribute to scientific advancement, and address complex health challenges at individual, community, and global levels.

Vision

The vision of the PhD Program in Nursing is to be a leading center of excellence in nursing education and research, recognized for developing innovative nurse leaders who shape healthcare systems and policies. The program aspires to advance nursing science through high-impact research, promote health equity, and improve quality of care by integrating theory, research, and practice within a global and culturally sensitive framework.

Program Objectives

The PhD Program in Nursing aims to:

1. Prepare nurse scientists and advanced practitioners who can generate, synthesize, and apply knowledge to improve health outcomes across the lifespan.
2. Develop advanced competencies in nursing theory, philosophy, and interdisciplinary research to support evidence-based practice.
3. Equip graduates with the skills to design, conduct, and disseminate high-quality quantitative and qualitative research.
4. Foster leadership in health promotion, disease prevention, and risk reduction at individual, family, and community levels.
5. Promote ethical responsibility, scientific integrity, and social accountability in nursing practice and research.
6. Encourage interdisciplinary collaboration to address complex health problems and improve healthcare systems.
7. Support the development of specialized expertise in advanced nursing practice areas through elective coursework.
8. Prepare graduates to contribute to academic, clinical, and policy-making environments at national and international levels.

Program Outcomes

Upon completion of the PhD Program in Nursing, graduates will be able to:

1. Critically analyze and synthesize nursing and interdisciplinary theories to advance nursing science.
2. Design, implement, and evaluate independent, original research using appropriate methodological approaches.
3. Apply advanced knowledge in symptom management, health promotion, and risk reduction across the lifespan.
4. Utilize statistical methods and research techniques to analyze data and interpret findings effectively.
5. Demonstrate leadership in clinical practice, education, research, and health policy.
6. Integrate ethical principles and professional standards into research and advanced nursing practice.
7. Communicate research findings effectively through scholarly publications and scientific presentations.
8. Collaborate with interdisciplinary teams to solve complex health problems and improve patient outcomes.
9. Apply advanced clinical reasoning and evidence-based decision-making in specialized nursing practice areas.
10. Contribute to the development of healthcare policies and practices that enhance quality of care and patient safety.

PhD in Nursing

The program consists of 7 courses (21 credits); a seminar as non-credit course, the doctoral comprehensive qualification examination, the thesis proposal, thesis work, and the defence of the thesis before a jury. Two years are required for the thesis after completion of the courses and the seminar. The normal time limit for completion of the program is four years.

CURRICULUM

1 st SEMESTER (FALL)					2 ND SEMESTER (SPRING)				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
NS 6..	Responsibilities and Activities of the Nurse Scientist and Practitioner	3	0	3	NS 6..	Health Promotion and Risk Reduction Across the Lifespan	3	0	3
NS 6..	Selected Topics in Symptom Evaluation and Management	3	0	3	NS 6XXX	Elective Course I	3	0	3
						Elective Course II	3	0	3
						Elective Course III	3	0	3
						Elective Course IV	3	0	3
NS 6..	Philosophical Perspectives in Nursing	3	0	3					
RMPE Research Methods and Publication Ethics (3-0)3 (common course)?									
...									
Total: 21 credits									

3rd SEMESTER

CODE	COURSE NAMEI-	T	P	C
NS ...	Seminar (Non-credit)	0	0	0
		0	0	0
Total		0		

4th SEMESTER

CODE	COURSE NAME	T	P	C
NS ...	Doctoral Qualification Examination (Non-credit)	0	0	0
Total		0		

5th SEMESTER

CODE	COURSE NAME	T	P	C
NS 600	Thesis (Non-credit)	0	0	0
Total		0		

6th SEMESTER

CODE	COURSE NAME	T	P	C
NS 600	Thesis (Non-credit)	0	0	0
Total		0		

7th SEMESTER

CODE	COURSE NAME	T	P	C
NS 600	Thesis (Non-credit)	0	0	0
Total		0		

8th SEMESTER

CODE	COURSE NAME	T	P	C
NS 600	Thesis (Non-credit)	0	0	0
Total		0		

Career Opportunities

Graduates of the Doctoral Program in Nursing are prepared for advanced roles as nurse scientists, academic leaders, and expert practitioners across diverse healthcare and research settings. They may pursue careers in universities and academic institutions as faculty members, contributing to nursing education, curriculum development, and scholarly research. In addition, graduates can take active roles in research centers, interdisciplinary projects, and policy-making bodies, leading the development and dissemination of evidence-based knowledge.

Doctoral graduates are also qualified for leadership and consultancy positions in healthcare organizations, including state and private hospitals, specialized clinics, community health centers, long-term care facilities, rehabilitation centers, and home healthcare agencies. Their advanced expertise in symptom management, health promotion, and risk reduction enables them to design, implement, and evaluate innovative care models for individuals, families, and communities across the lifespan.

With the increasing global demand for healthcare services driven by aging populations and the growing burden of chronic diseases such as cardiovascular conditions, cancer, and diabetes, doctoral-level nurses play a critical role in improving health outcomes and healthcare quality. Graduates are equipped to lead initiatives in health promotion, disease prevention, and chronic disease management, while integrating advanced research methods and technologies into practice.

Furthermore, graduates may contribute to governmental and non-governmental organizations by shaping health policies, improving healthcare systems, and addressing global health challenges. The program aims to develop highly skilled, ethically responsible, and research-oriented nursing professionals who can respond to evolving healthcare needs and advance the nursing profession at national and international levels.

Contact Information

Head of Department:

Prof. Dr. Meral Demiralp

mdemiralp@eul.edu.tr

COURSE DESCRIPTIONS

NS ... Philosophical Perspectives in Nursing (3 0) 3

This course is a synthesis of concepts of philosophy, theory, and research used in the development and testing of nursing knowledge. Students are guided to consider the philosophic assumptions upon which specific theories are based and how the nature of the research problem and theory guides the choice of research method. They are guided in the process of a critical review and synthesis of nursing and other knowledge in their own area of concentration and in the identification of key concepts and relationships for their own planned research.

NS ... Selected Topics in Symptom Evaluation and Management (3 0) 3

This course aims to teach students the evaluation and management of different physiological and psychological symptom clusters that occur during or after any illness or traumatic experience, within the physiopathological and psychopathological processes, as an important subject of advanced nursing practice. Symptom management theories and conceptual models will be discussed in this course.

NS ... Health Promotion and Risk Reduction Across the Lifespan (3 0) 3

This course introduces the student to current issues, theories, and research in health promotion, disease prevention, and risk reduction related to individuals, families, and communities. The role of the nurse in risk assessment, counselling, education, and screening will be emphasized as well as thinking broadly about health promotion needs and health behaviour from an ecological perspective.

NS ...Responsibilities and Activities of the Nurse Scientist and Practitioner(3 0) 3

This course addresses the responsibilities and activities of a scientist and a practitioner nurse in the health professions, including ethical issues; such as the responsible conduct of research or care; health education and social responsibility; interdisciplinary collaboration and research; peer review; development of a program of research and dissemination of research findings through presentations and publications.

NSXXX Statistical Methods in Public Health (3-0)3 (common course)

This course is intended to apply standard statistical methods to develop knowledge and skills, enabling students to understand data collection and analysis methods, interpretation and reporting of statistical results, and critically read and evaluate nursing and the healthcare literature.

NSXXX Research Methods in Public Health (3-0)3 (common course)

The aim of this course is to develop students' knowledge and understanding of the conduct of quantitative and qualitative research methods.

NS 6XXX ELECTIVE COURSES

Elective Course I. Neurobiology of Mental Disorders (3-0) 3

Building on fundamental knowledge of anatomy, physiology, and pathophysiology, this course focuses on major mental disorders across the lifespan. Various factors underlying causality of these disorders including developmental, genetic, injury, trauma, infection, and degeneration are explored. Complex networks necessary for maintaining homeostasis within the brain and between the brain and body will be examined in relation to these disorders. This course lays the groundwork for advanced practice nurses caring for individuals with mental disorders including substance use disorders.

Elective Course II. Advanced Practice in Acute Care (3-0) 3

This course aims to prepare students to assess, diagnose and manage acutely ill adults across the lifespan while emphasizing high acuity of disease entities encountered in acute and critical care settings. Content focuses on incorporating evidence-based practice while utilizing pathophysiology, subjective and objective clinical data, differential diagnoses and the development of a management plan considering age, gender, sexuality and social determinants of health.

Elective Course III. Human Growth and Development: Birth through Adolescence (3-0) 3

This course describes normal and abnormal variations in growth and development from birth through adolescence. An emphasis on appropriate screening, identification, and management of abnormal variations in growth and development will be discussed.

Elective Course IV. Advanced Practice in Nurse-Midwifery (3-0) 3

The aim of this course is to describe human reproduction, pregnancy and role of nurse-midwifery. An emphasis on appropriate screening, identification, and management of abnormal variations in labour will be discussed.



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EĞİTİM YÖNETİMİ ve DENETİMİ PROGRAMI

PROGRAM BİLGİSİ

PROGRAM BİLGİLERİ

Programın Adı ve Verilen Derece: Eğitim Yönetimi ve Denetimi Doktora Programı

Eğitim Süresi: 4 yıl

Toplam Kredi / AKTS Kredisi: 21 Kredi

Öğretim Dili: Türkçe

Misyon ve Vizyon:

Vizyon

1. Eğitim yönetimi ve denetimi alanında ulusal ve uluslararası düzeyde saygın araştırmalar üreten, bilimsel bilgiye yön veren öncü bir doktora programı olmak.
2. Eğitim kurumlarının yönetim, liderlik ve denetim süreçlerinde yenilikçi, etik ve sürdürülebilir yaklaşımlar geliştiren akademik liderler yetiştirmek.
3. Eğitim politikalarının geliştirilmesine katkı sağlayan ve kanıta dayalı karar verme süreçlerini destekleyen bilimsel çalışmaların merkezi haline gelmek.
4. Eğitim sistemlerinin niteliğini artırmaya yönelik eleştirel, analitik ve çözüm odaklı akademik bilgi üretiminde öncü bir program olmak.

Misyon

1. Eğitim yönetimi ve denetimi alanında ileri düzey teorik bilgiye ve araştırma becerilerine sahip akademisyenler ve uzmanlar yetiştirmek.
2. Eğitim kurumlarının yönetim ve denetim süreçlerini geliştirmeye yönelik bilimsel araştırmalar üretmek ve uygulamaya katkı sağlamak.
3. Eğitim politikaları, liderlik, örgütsel gelişim ve kalite yönetimi alanlarında etik, eleştirel ve yenilikçi bakış açısına sahip araştırmacılar yetiştirmek.
4. Ulusal ve uluslararası akademik iş birlikleri yoluyla eğitim sistemlerinin gelişimine katkı sağlayan bilimsel bilgi üretmek ve paylaşmak.

Program Çıktıları

1. Eğitim yönetimi ve denetimi alanındaki kuramsal yaklaşımlar, modeller ve güncel araştırmalar hakkında ileri düzeyde bilgi sahibi olur ve bu bilgiyi eleştirel biçimde değerlendirir.
2. Eğitim yönetimi, liderlik, denetim ve eğitim politikaları alanlarında özgün bilimsel araştırmalar tasarlar, yürütür ve sonuçlarını bilimsel yöntemlere uygun biçimde raporlar.
3. Eğitim kurumlarının yönetim ve denetim süreçlerini geliştirmeye yönelik yenilikçi, kanıta dayalı çözüm önerileri geliştirir ve uygulamaya aktarır.
4. Eğitim sistemleri ve politikalarını analitik, eleştirel ve çok boyutlu bir bakış açısıyla değerlendirir.
5. Eğitim örgütlerinde liderlik, kalite yönetimi ve örgütsel gelişim süreçlerini bilimsel veriler doğrultusunda analiz eder ve geliştirmeye yönelik stratejiler oluşturur.
6. Eğitim yönetimi ve denetimi alanında ulusal ve uluslararası akademik yayınlar üretir ve bilimsel tartışmalara katkı sağlar.
7. Eğitim kurumlarının yönetim ve denetim süreçlerinde etik ilke ve değerleri gözeterek karar alma ve uygulama süreçlerini yönetir.
8. Disiplinlerarası yaklaşımlar kullanarak eğitim yönetimi alanındaki karmaşık

sorunları analiz eder ve çözüm üretir.

9. Eğitim yönetimi alanında elde ettiği bilgi ve araştırma sonuçlarını akademik, mesleki ve toplumsal paydaşlarla etkili biçimde paylaşır.
10. Eğitim yönetimi ve denetimi alanında yaşam boyu öğrenme, sürekli mesleki gelişim ve akademik liderlik sorumluluğu geliştirir.

Müfredat:

I. YARIYIL (GÜZ)					II. YARIYIL (BAHAR)				
Dersin Kodu	Dersin Adı	T	P	C	Dersin Kodu	Dersin Adı	T	P	C
EYD601	İleri Araştırma Teknikleri	3	0	3	EYD602	İleri İstatistik	3	0	3
EYD610	Eğitim Politikaları ve Uygulamaları	3	0	3	SBK623	Örgüt Kuramı	3	0	3
EYD604	Eğitim Yönetiminde Yasal Temeller ve Analizi	3	0	3	SBK629	Yönetim Teori ve Pratiği	3	0	3
İLT611 Küreselleşme ve Kültürel Dönüşümler (3-0)3 (ortak ders)									
Toplam: 21 kredi									

III. YARIYIL

Dersin Kodu	Dersin Adı	T	P	C
EYD622	Seminer (Kredisiz)	0	0	0
Toplam				0

IV. YARIYIL

Dersin Kodu	Dersin Adı	T	P	C
EYD650	Doktora Yeterlik Sınavı (Kredisiz)	0	0	0
Toplam				0

V, VI, VII ve VIII. YARIYILLAR

EYD630	Tez (Kredisiz)	0	0	0
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Kariyer Olanakları:

Eğitim Yönetimi ve Denetimi Doktora Programı mezunları, eğitim kurumlarının yönetim ve denetim süreçlerinde uzmanlaşmış nitelikli akademisyenler ve yöneticiler olarak çeşitli alanlarda kariyer yapabilirler. Mezunlar üniversitelerde öğretim üyesi olarak görev alabilir, eğitim fakültelerinde araştırma ve öğretim faaliyetleri yürütebilirler. Bunun yanında Milli Eğitim Bakanlığı ve ilgili kurumlarda eğitim yöneticiliği, müfettişlik ve politika geliştirme alanlarında görev alabilirler. Ayrıca eğitim kurumları, araştırma merkezleri, danışmanlık kuruluşları ve uluslararası eğitim projelerinde kalite güvence, stratejik planlama, eğitim liderliği ve proje yönetimi gibi alanlarda uzman olarak çalışma imkânına sahiptirler.

İletişim Bilgileri

Anabilim Dalı Başkanı: Yrd. Doç. Dr. Çağda Kıvanç Çağanağa

Lefke Avrupa Üniversitesi

Lisansüstü Eğitim Öğretim ve Araştırma Enstitüsü

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DERS KATALOG TANIMLARI

EYD601 İleri Araştırma Teknikleri

Sosyal Bilimlerde Araştırma, Araştırma Tasarımı, Veri Toplama ve Analizi, Verilerin Özetlenmesi, Hipotez Testleri, güven aralıkları, ANOVA Analizi, Çok Yönlü ANOVA Analizi, Korelasyon ve Regresyon Analizi, Çoklu Regresyon Analizi Örnek Uygulamalar ve rapor yazma

EYD610 Eğitim Politikaları ve Uygulamaları

Eğitim politika ilişkisi. Türk ve dünya eğitiminde tarihsel süre içerisinde geliştirilen temel politikaların incelenmesi. Türk eğitim düzeninin tarihî perspektifi içinde eleştirel bir biçimde incelenmesi. Okul ve yetişkin eğitimiyle ilişkili uygulamaları etkileyen toplumsal-siyasî-iktisadi şartlar ve ihtiyaçlar. Okul örgütlenmesi, yönetimi, öğretim programları ve öğrenci hizmetleri konularında geliştirilen politikaların incelenmesi.

EYD 604 Eğitim Yönetiminde Yasal Temeller ve Analizi

Temel hukuk bilgileri; toplumsal yaşamı düzenleyen kurallar; yönetim metni kavramı ve yönetim metinlerinin yapılışı, eğitim ve hukuk kavramları, birbirlerine etkileri ve ilişkileri; eğitim kurum ve kuruluşlarının hukuki sorumlulukları, eğitimle ilgili yönetim metinleri ve yorumlanması; eğitim yönetiminde yasal temeller ve analizi.

İLT 611 Küreselleşme ve Kültürel Dönüşümler

Bu derste, küreselleşme kavramı farklı bakış açıları ve eleştiriler temel alınarak irdelenecek, küreselleşmenin ekonomik, siyasal, kültürel ve ideolojik boyutları ile bu boyutların şekillenmesinde uluslar arası örgütlenmelerin etkisi tartışılacaktır. Ayrıca, disiplinlerarası bir alan olan kültür ve kuramlarının benimsenmesi, kültürel dönüşüm dinamiklerinin bu kuramlar çerçevesinde ele alınması amaçlanmaktadır.

EYD 602 İleri İstatistik

Veri analiz tekniklerini anlayabilmek ve uygun bir şekilde kullanabilmek; veri analizi için gerekli bilgisayar programlarını çalıştırabilmek, analiz sonuçlarını yorumlayabilmek ve sonuçları özetleyebilmek.

SBK623 Örgüt Kuramı

Ders, modern bürokrasinin oluşma süreci ve bu aşamada ortaya çıkan kuramların açıklanması ile başlamaktadır. Ardından, modern bürokrasilerin işleyişi, organizasyon-çevre ilişkilerine değinilecektir. Ardından, organizasyonlar mikro düzeyde incelenecektir. Organizasyonlarda davranış ve yapılanma, organizasyon kültürü, organizasyon modelleri, kurumlar sosyolojisi ve yasal düzenlemelerin ötesinde kurumların işleyişi, organizasyonda çatışma ve güç kavramları, organizasyonlarda güdülenme ve liderlik kuramları, aktörlerin kurumsal düzen içinde özerkliği ve yeni örgüt modelleri temel başlıkları oluşturmaktadır.

SBK629 Yönetim Teori ve Pratiği

İşletme ve Yönetimin Temel Kavramları, Amaçları ve Çevre ile İlişkileri: Temel kavramlar, İşletmenin amaçları, Ekonomik yapı içindeki yeri, Yönetici ve girişimci arasındaki fark; İşletmelerin Sınıflandırılması: Büyüklük, Mülkiyet, Hukuki yapı vb. açısından sınıflandırma; İşletmelerin Kuruluş

Çalışmaları, Büyüklüğü ve Kapasitesi: Kuruluş aşamaları, Yer seçimi, Büyüklüğünün belirlenmesi, Kapasite; İşletme Fonksiyonları: Yönetim, Organizasyon, Kontrol, Planlama; Organizasyonun İşleyişi: Liderlik ve yönetim, Stratejik yönetim, Değişim, Gruplar, Motivasyon.

EYD622 Seminer

Öğrencileri seçilen veya verilen bir konuda literatür araştırması yapabilecek bir şekilde yönlendirmek, literatür araştırması sonucunda detaylı bir rapor hazırlamak ve dinleyici bir topluluğun önünde sunabilmelerini sağlamaktır. Seminer dersi kredi derslerinin tamamlanmasından sonra verilmektedir. Dönem sonunda başarılı veya başarısız olarak değerlendirilir.

EYD630 Tez

Tez orijinal olmalı ve öğrencinin araştırma ve analiz yeteneğini ortaya koymalıdır. Ayrıca, pratik uygulama konuları tez kapsamında ele alınmalıdır. Tez danışmanı ve öğrenci arasında tez konusu belirlenebilir. Tez öğrenci tarafından jüri önünde savunulmaktadır. Tez başarılı veya başarısız olarak değerlendirilebilir.



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ÖZEL EĞİTİM ÖĞRETMENLİĞİ PROGRAMI

PROGRAM BİLGİSİ

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PROGRAM BİLGİLERİ

Programın Adı ve Verilen Derece: Özel Eğitim Öğretmenliği- Doktora Derecesi

Eğitim Süresi: 4 Yıl

Toplam Kredi / AKTS Kredisi: 21 Kredi

Öğretim Dili: Türkçe

Misyon: Özel Eğitim Öğretmenliği Doktora Programı; ileri düzey kuramsal bilgi ve araştırma yetkinliği kazandırarak, özel eğitim alanının bilimsel ve uygulamalı gelişimine katkı sağlayacak eleştirel düşünebilen, disiplinler arası iş birliğine açık, etik değerlere bağlı ve yenilikçi araştırmacılar yetiştirmeyi misyon edinir. Program, öğrencilerini bilimsel veri toplama, analiz etme, uluslararası akademik yayın yapma ve özgün araştırmalar geliştirme becerileri ile donatarak, özel eğitim politikalarına ve uygulamalarına yön verecek akademik liderler yetiştirmeyi hedefler.”

Vizyon: Özel Eğitim Öğretmenliği Doktora Programı; özel gereksinimli bireylerin eğitim ve yaşam kalitesini yükseltmeye yönelik bilimsel bilgi üretiminde uluslararası ölçekte öncü, disiplinler arası ve yenilikçi araştırmalarla alana yön veren, etik değerlere ve evrensel insan haklarına duyarlı bir akademik merkez olmayı hedefler. Program, özel eğitim alanında bilimsel bakış açısına sahip, yaratıcı ve lider akademisyenler yetiştirerek bilimsel bilgi birikimini ve toplumsal katkıyı sürdürülebilir biçimde geliştirmeyi amaçlar.

Programın Amacı: Özel Eğitim Öğretmenliği Doktora Programı; özel gereksinimli bireylerin eğitim süreçlerini bilimsel temellerle geliştirecek ve alana yeni yaklaşımlar kazandıracak üst düzey araştırmacı ve akademisyenler yetiştirmeyi amaçlar. Program, öğrencilerine ileri düzeyde kuramsal ve metodolojik bilgi, bilimsel bakış açısı, eleştirel düşünme, veri analizi ve uluslararası bilimsel iletişim becerileri kazandırarak, ulusal ve uluslararası akademik çevrelere yenilikçi katkılar sunacak bilim insanlarının yetişmesine olanak sağlar.

Program Çıktıları:

Özel Eğitim Öğretmenliği Doktora Programı mezunları:

1. Alan yazına yenilik getiren ve kuramsal çerçeveyi geliştiren araştırmalar yürütür.
2. Mevcut kuramları derinlemesine analiz eder, yeni yaklaşımlar önerir.
3. Karma ve ileri istatistiksel yöntemlerle kapsamlı veri toplar ve analiz eder.
4. Araştırmalarını hakemli dergilerde yayımlar, küresel konferanslarda sunar.
5. Ulusal/uluslararası özel eğitim politikalarına bilimsel temelde katkı sağlar.
6. Lisans ve lisansüstü seviyede öğretim yapar, araştırmacı yetiştirir.
7. Bilimsel çalışmalarda ve uygulamalarda yüksek etik standartları benimser.
8. Özel gereksinimli bireylerin yaşam kalitesini yükseltmeye yönelik projeler geliştirir.
9. Uluslararası iş birliklerinde aktif olarak yer alır ve çok uluslu projeler yürütür.

MÜFREDAT

I. YARIYIL (GÜZ)					II. YARIYIL (BAHAR)				
Dersin Kodu	Dersin Adı	T	P	C	Dersin Kodu	Dersin Adı	T	P	C
ÖEÖ607	Öğrenme ve Duygu Davranış Yetersizliği	3	0	3	ÖEÖ616	Özel Eğitimde Beyin Temelli Öğrenme	3	0	3
RPD601	İleri Araştırma Teknikleri	3	0	3	ÖEÖ608	Eğitimde Tek Denekli Araştırmalar	3	0	3
ÖEÖ609	Özel Eğitimde Destek Sistemleri ve Uygulamaları	3	0	3	ÖEÖ605	Erken Müdahale	3	0	3
ÖEÖ651 Model Oluşturma ve Veri Analizi (3-0)3 (ortak ders)									
Toplam: 21 kredi									

III. YARIYIL

Dersin Kodu	Dersin Adı	T	P	C
ÖEÖ690	Seminer (Kredisiz)	0	0	0
Toplam				0

IV. YARIYIL

Dersin Kodu	Dersin Adı	T	P	C
ÖEÖ650	Doktora Yeterlik Sınavı (Kredisiz)	0	0	0
Toplam				0

V, VI, VII ve VIII. YARIYILLAR

ÖEÖ600	Tez (Kredisiz)	0	0	0
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Laboratuvar ve Ekipman Kapasitesi

Özel Gereksinimi Olan Çocuklar Uygulama, Araştırma ve Eğitim Merkezi (ÖÇEM), Lefke Avrupa Üniversitesi Dr. Fazıl Küçük Eğitim Fakültesi Özel Eğitim Öğretmenliği Bölümü öncülüğünde açılmış, rektörlüğe bağlı olarak hizmet veren uygulama laboratuvarının olanakları, lisansüstü düzeyde eğitim gören öğrenciler tarafından da etkin biçimde kullanılmaktadır. Merkez; özel gereksinimli çocukların tanılama, bireysel ve küçük grup eğitimleri ile aile danışmanlığı hizmetlerini sürdürürken, yüksek lisans ve doktora öğrencilerine de araştırma, uygulamalı ders, ileri seviye staj ve bilimsel proje geliştirme süreçleri için donanımlı eğitim ortamları, gözlem odaları ve destekleyici materyaller sunarak lisansüstü eğitim-öğretime değerli bir katkı sağlamaktadır. Merkezde 2 adet bireysel eğitim odası, bir adet değerlendirme ve görüşme odası ve bir adet aile bekleme salonu bulunmaktadır. Bireysel eğitim odalarından bir tanesinde gözlem aynası yer almaktadır ve aileler ya da lisans/lisansüstü öğrenciler bireysel eğitim odasında yapılan çalışmalarını gözlemleyebilmektedir.

Kariyer Olanakları

Özel Eğitim Öğretmenliği Doktora Programı mezunları; üniversitelerde öğretim üyesi ve araştırmacı olarak görev alabilir, ulusal ve uluslararası araştırma projelerine yön verebilir. Mezunlar, Millî Eğitim Bakanlığı, yerel yönetimler, sivil toplum kuruluşları ve uluslararası kuruluşlarda eğitim politikası geliştirme, danışmanlık ve proje yönetimi alanlarında çalışabilir; özel gereksinimli bireylerin eğitimine ilişkin stratejik planlama ve politika üretimi süreçlerinde etkin rol üstlenebilir. Ayrıca özel eğitim alanında kendi araştırma merkezlerini veya danışmanlık kuruluşlarını kurarak bilimsel ve toplumsal katkı sağlayabilirler.

İletişim Bilgileri

Anabilim Dalı Başkanı: Prof. Dr. Ayşegül Ataman

Adres: Lefke Avrupa Üniversitesi, Dr. Fazıl Küçük Eğitim
Fakültesi, AS232 Özel Eğitim Öğretmenliği Bölümü

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DOKTORA PROGRAMI DERS İÇERİKLERİ

ÖEÖ607 Öğrenme ve Duygu-Davranış Yetersizlikleri

Okuma-Yazma Yetersizlikleri (Disleksi):Özellikler ve gereksinimler, Bilimsel dayanaklı uygulamalar; Matematik Yetersizlikleri (Diskalkuli): Özellikler ve gereksinimler, Bilimsel dayanaklı uygulamalar; Duygu-Davranış Yetersizlikleri: Saldırganlık, İçer dönüklük, Dikkat eksikliği ve hiperaktivite bozukluğu, Psikiyatrik bozukluklar, Bilimsel dayanaklı uygulamalar; İşbirliği ve Dayanışma: Ekip çalışması, Ailelerle işbirliği.

ÖEÖ609 Özel Eğitimde Destek Sistemleri ve Uygulamaları

Kaynaştırma Uygulamalarında Destek Hizmetlerinin Yeri; Özel Eğitime Gereksinimi Olan Bireylerin, Ailelerin, Özel Eğitim ve İlişkili Hizmet Sağlayıcıların ve Toplumun Destek Sistemlerine Olan Gereksinimleri; Başlıca Destek Sistemleri ve Olası Doğurguları;Devlet ve Yerel Yönetimlerin Sağlık, Eğitim ve Sosyal Hizmet Politikalarında Destek Hizmetleri:Dünya, Türkiye ve KKTC bağlamlarında bakış açısı ve Uygulamalar.

RPD601 İleri Araştırma Teknikleri

Sosyal Bilimlerde Araştırma, Araştırma Tasarımı, Veri Toplama ve Analizi, Verilerin Özetlenmesi, Hipotez Testleri, güven aralıkları, ANOVA Analizi, Çok Yönlü ANOVA Analizi, Korelasyon ve Regresyon Analizi, Çoklu Regresyon Analizi Örnek Uygulamalar ve rapor yazma

ÖEÖ616 Özel Eğitimde Beyin Temelli Öğrenme

Beyin temelli öğrenme yaklaşımının temel ilkeleri, öğrencilerin beyinlerinin bireysel olacak şekilde en verimli seviyede işlev görmesi için gereken müdahaleler. Beynin hücresel seviyede temel çalışma ilkeleri ve tüm beyin yaklaşımı ile yaşam için gerekli işlevlerin nasıl gerçekleştirildiğini, Duyguların öğrenme ve hafıza üzerindeki etkilerinin anlaşılması, güdülenmenin temelleri ve yönlendirilmesini, Beyin temelli stratejilerin problem çözme ve eleştirel düşünce için nasıl kullanıldığı.

ÖEÖ608 Eğitimde Tek Denekli Araştırmalar

Tek Denekli Araştırmaların Genel Özellikleri: Etkililik, Verimlilik, Geçerlik. Tek Denekli Araştırmalar ve Etik; Veri Toplama ve Analiz: Davranışların ölçümü, Grafikselleştirme, İstatistiksel analiz; Tek-Denekli Araştırma Modelleri: AB modelleri, Tersine çevirme modeli, Çoklu başlama modelleri, Çoklu yoklama modelleri, ABC modeli, Dönüşümlü uygulamalar modeli, Paralel uygulamalar modeli; Tek Denekli Araştırmaları Değerlendirme; Tek Denekli Araştırma Önerisi ve Raporu Hazırlama.

ÖEÖ605 Erken Müdahale

Erken Müdahale Hizmetleri: Tarihsel gelişim, Yasal düzenlemeler, Ailelerin hak ve sorumlulukları, Hizmet sunan uzmanlar ve destek elemanları, Ekip çalışması; Değerlendirme:Tarama, Tanılama, Programa dayalı değerlendirme, Standart ve alternatif değerlendirme yaklaşımları ve araçları, Bireyselleştirilmiş aile hizmet planı-BAHP; Gelişim Yetersizliklerine Yönelik Programlar: Portage, Küçük Adımlar, Erken ve yoğun davranışsal müdahale;Duyusal Yetersizliklere Yönelik Programlar; Risk Durumlarına ve Diğer Yetersizliklere Yönelik Programlar; Geçiş Süreci.

ÖEÖ651 Model Oluşturma ve Veri Analizi

Doktora öğrencilerinin araştırma süreçlerinde geliştirecekleri kavramsal modellerin ve veya hipotetik problemlerin test edilebilmesi için gerekli sayısal çözümleme modellerinin neler olduğu, nasıl veri toplanması gerektiği ve toplanan verilerin hangi olasılık testleri ile nasıl analiz edileceğini kapsayan bir derstir. Temelinde matrix ve integral algoritmalarının yattığı sayısal çözümleme modellerinin yanı sıra meta-analiz, tek yönlü ve çok yönlü varyans analizi, çok faktörlü varyans analizi, linear ve logistic olmak üzere tüm çoklu regresyon analizlerinin

konu olduđu bir derstir. Bu ders aynı zamanda AMOS, LISREL, STATA ve R sayısal özümleme programları desteđi ile yürütölmektedir. Özel eğitim öđretmenliđi alanında geliřtirilecek her türlü kavramsal modelin ya da deneysel önermenin özüm odaklı sayısal modellerinin hem geçerlik hem de güvenilirlikleri açısından test edilmesini operasyonel olarak gerçekleřtirmeyi amaçlayan bir derstir.

ÖEÖ690 Seminer

Öđrencileri seçilen veya verilen bir konuda literatür araştırması yapabilecek bir şekilde yönlendirmek, literatür araştırması sonucunda detaylı bir rapor hazırlamak ve dinleyici bir topluluđun önünde sunabilmelerini sađlamaktır. Seminer dersi kredi derslerinin tamamlanmasından sonra verilmektedir. Dönem sonunda başarılı veya başarısız olarak deđerlendirilir.

ÖEÖ600 Tez

Tez orijinal olmalı ve öđrencinin araştırma ve analiz yeteneđini ortaya koymalıdır. Ayrıca, pratik uygulama konuları tez kapsamında ele alınmalıdır. Tez danıřmanı ve öđrenci arasında tez konusu belirlenebilir. Tez öđrenci tarafından jüri önünde savunulmaktadır.. Tez başarılı veya başarısız olarak deđerlendirilebilir.



LEFKE AVRUPA ÜNİVERSİTESİ
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REHBERLİK ve PSİKOLOJİK DANIŞMANLIK PROGRAMI

PROGRAM BİLGİSİ

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PROGRAM BİLGİLERİ

Programın Adı ve Verilen Derece: Rehberlik ve Psikolojik Danışmanlık Doktora

Eğitim Süresi: 4 yıl

Toplam Kredi / AKTS Kredisi: 240 AKTS

Öğretim Dili: Türkçe

Misyon: Uluslararası düzeyde rekabet edebilecek bilimsel çalışmalar yürüten araştırmacılar yetiştirerek, psikolojik danışma ve rehberlik hizmetlerinin kalitesini artıracak yenilikçi araştırmalar ve projeler geliştirmek ve de etik, bilimsel ve toplumsal değerlere bağlı akademisyenler ve uygulamacılar eğitip, üniversite, toplum ve eğitim kurumları arasında köprü olacak akademik liderler kazandırmaktır.

Vizyon: Rehberlik ve psikolojik danışmanlık alanında uluslararası düzeyde söz sahibi, yayın ve projeleriyle öncü bir program olmak ve alanın gelişimine yön veren bilim insanları yetiştirmek ve de yenilikçi, disiplinlerarası işbirliğine açık, toplumsal katkıyı ön planda tutan bir araştırma ve eğitim merkezi olmaktır.

Programın Amacı: Psikolojik danışma ve rehberlik alanında ileri araştırmalar yapabilecek, özgün bilgi üretebilecek bilim insanları eğitip, alanın kuramsal ve uygulamalı boyutlarını derinlemesine bilen, yeni kuram, model ve yöntemler geliştirebilen uzmanlar yetiştirerek, lisans ve yüksek lisans düzeyinde eğitim verebilecek, akademik liderlik yapabilecek danışmanlar kazandırmak ve de toplumsal sorunlara bilimsel yaklaşımla çözüm üretecek araştırmacılar ve politika geliştirecek uzmanlar yetiştirmektir.

Program Çıktıları:

PÇ 1. Psikolojik danışma kuramlarını derinlemesine bilme ve eleştirel değerlendirme.

PÇ 2. Yeni kuram, model ve teknikler geliştirebilme.

PÇ 3. İleri düzey araştırmalar yapma ve bilimsel yayın üretme.

PÇ 4. Psikolojik danışmada süpervizyon verebilme ve danışman yetiştirebilme.

PÇ 5. Gelişmiş ölçme araçları geliştirme ve uygulama.

PÇ 6. Etik ilkelere bağlı kalarak alanda liderlik yapma.

PÇ 7. Toplumsal sorunlara yönelik danışmanlık programları geliştirme.

PÇ 8. Disiplinlerarası işbirliği ile yeni uygulamalar ortaya koyma.

PÇ 9. Lisans ve yüksek lisans düzeyinde ders verme ve akademik danışmanlık yapma.

PÇ 10. Uluslararası düzeyde yayın, işbirliği ve proje üretme.

Müfredat:

Program 7 ders (21 kredi), seminer (kredisiz), doktora yeterlik sınavı, doktora tez önerisi, tez çalışması ve hazırlanan tezin jüri önünde savunulmasından oluşmaktadır. Derslerin ve seminerin tamamlanması için iki yıl, tez çalışması için iki yıl olmak üzere programın normal süresi dört yıldır.

I. YARIYIL (GÜZ)					II. YARIYIL (BAHAR)				
Dersin Kodu	Dersin Adı	T	P	C	Dersin Kodu	Dersin Adı	T	P	C
RPD601	İleri Araştırma Teknikleri	3	0	3	RPD614	Kişilerarası İletişim ve Çatışma Çözümleri	3	0	3
RPD609	Bilişsel Davranışçı Psikolojik Danışma Uygulamaları	3	0	3	RPD615	Özel Gereksinimli Çocukların Eğitimi	3	0	3
RPD611	Danışman ve Etik İlkeler	3	0	3	RPD621	Okullarda Rehberlik Uygulamaları	3	0	3
RPD606 İleri Bireyle Psikolojik Danışma Uygulaması (3-0)3 (ortak ders)									
Toplam: 21 kredi									

III. YARIYIL

Dersin Kodu	Dersin Adı	T	P	C
RPD690	Seminer (Kredisiz)	0	0	0
Toplam				0

IV. YARIYIL

Dersin Kodu	Dersin Adı	T	P	C
RPD650	Doktora Yeterlik Sınavı (Kredisiz)	0	0	0
Toplam				0

V, VI, VII ve VIII. YARIYILLAR

RPD600	Tez (Kredisiz)	0	0	0
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Kariyer Olanakları:

- Üniversitelerde öğretim üyesi (doçent, profesör adayı) olarak akademik kariyer
- Araştırma merkezlerinde proje yürütücüsü / araştırmacı
- Kamu kurum ve kuruluşlarında (MEB, Aile ve Sosyal Hizmetler Bakanlığı, TÜBİTAK vb.) uzman, politika yapıcı veya danışman, Uluslararası kuruluşlarda (UNICEF, UNESCO, WHO vb.) psikolojik danışma ve eğitim projelerinde görev, Özel danışmanlık merkezlerinde üst düzey uzman veya yönetici, STK ve toplum projelerinde araştırma ve eğitim koordinatörü, Kamu ve özel sektörde insan kaynakları, liderlik gelişimi, örgütsel danışmanlık alanlarında uzmanlık gibi geniş kariyer olanaklarına sahiptir.

İletişim Bilgileri:

Yrd. Doç. Dr. Ayşe Bengisoy
Lefke Avrupa Üniversitesi
Dr. Fazıl Küçük Eğitim Fakültesi
Rehberlik ve Psikolojik Danışmanlık Bölümü
Bölüm Başkanı / AS 222
Tel: +90 392 660 2000/
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E-Posta: abengisoy@eul.edu.tr

DOKTORA PROGRAMI DERS İÇERİKLERİ

RPD601 İleri Araştırma Teknikleri

Sosyal Bilimlerde Araştırma, Araştırma Tasarımı, Veri Toplama ve Analizi, Verilerin Özetlenmesi, Hipotez Testleri, güven aralıkları, ANOVA Analizi, Çok Yönlü ANOVA Analizi, Korelasyon ve Regresyon Analizi, Çoklu Regresyon Analizi Örnek Uygulamalar ve rapor yazma.

RPD609 Bilişsel ve Davranışçı Psikolojik Danışma Uygulamaları

Bilişsel davranışçı yaklaşım, bilişsel davranışçı terapi teknikleri. Bilişsel ve davranışçı terapi tekniklerinin etkinliği. Beck ve Ellis'in Bilişsel Davranışçı yaklaşım çerçevesinde hazırlanan programların incelenmesi. Çocuk ve ergenlerde bilişsel davranışçı danışma uygulamaları.

RPD611 Danışman ve Etik İlkeler

Çeşitli kurumlarda çalışan psikolojik danışmanların görev ve sorumlulukları, etkili danışman özellikleri, psikolojik danışmada etik ilkeler, danışmanların yaşadıkları etik ikilemler, psikolojik danışmanın gizliliği, danışman- danışan ilişkileri ve duygusallığı, danışman- danışan arasındaki değer aktarımı, mesleki yetkinlik ve yeterlilik.

RPD614 Kişilerarası İletişim ve Çatışma Çözümleri

Etkili iletişim becerileri, kişilerarası iletişim nasıl kurulur, çatışma ve çatışma süreçleri, çatışma yönetimi, başarılı ve etkili iletişim ile çatışmalar nasıl çözülür, iş yerinde iletişim, okullarda yaşanan öğrenci çatışma türleri, çatışma çözme ve akran arabuluculuğu.

RPD615 Özel Gereksinimli Çocukların Eğitimi

Özel gereksinimli çocukların temel, özel istek ve ihtiyaçlarının tanımlanması, sınıftaki uyumsuz çocuklar için yapılabilecekler, uyumsuz çocukların yetenekleri, fiziki, zihni, sosyal, duygusal ve kişilik özelliklerine uygun eğitim, uyumsuzluğunun nedenleri, çocuğun davranış bozukluklarının düzeltilmesi ve programlar ve rehberlik hizmetleri

RPD621 Okullarda Rehberlik Uygulamaları

İlköğretim ve ortaöğretim öğrencilerine yönelik grup/bireysel rehberlik programları ve rehberlik etkinlikleri hazırlama, uygulama becerisi kazandırma ve öğretmeyi hedeflemektedir.

RPD606 İleri Bireyle Psikolojik Danışma Uygulaması

Grupla Psikolojik Danışma kavramlarını, temel ilkelerini, yöntem ve tekniklerini ve grup sürecini kuramsal ve uygulamalı açıklayan ve işleyen bir derstir. Süpervizyon altında lider ya da yardımcı lider olarak yapılandırılmış ya da yarı yapılandırılmış bir grubu yönetmek.

RPD690 Seminer

Öğrencileri seçilen veya verilen bir konuda literatür araştırması yapabilecek bir şekilde yönlendirmek, literatür araştırması sonucunda detaylı bir rapor hazırlamak ve dinleyici bir topluluğun önünde sunabilmelerini sağlamaktır. Seminer dersi kredi derslerinin tamamlanmasından sonra verilmektedir. Dönem sonunda başarılı veya başarısız olarak değerlendirilir.

RPD600 Tez

Tez orijinal olmalı ve öğrencinin araştırma ve analiz yeteneğini ortaya koymalıdır. Ayrıca, pratik uygulama konuları tez kapsamında ele alınmalıdır. Tez danışmanı ve öğrenci arasında tez konusu belirlenebilir. Tez öğrenci tarafından jüri önünde savunulmaktadır.. Tez başarılı veya başarısız olarak değerlendirilebilir.



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SİYASET BİLİMİ ve KAMU YÖNETİMİ PROGRAMI

PROGRAM BİLGİSİ

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PROGRAM BİLGİLERİ

Programın Adı ve Verilen Derece: Siyaset Bilimi ve Kamu Yönetimi - Doktora

Eğitim Süresi

8 dönem

Toplam Kredi / AKTS Kredisi

21 Kredi / 120 AKTS

Öğretim Dili

Türkçe

Misyon ve Vizyon

Misyon

1. Araştırma yöntemleri, kamu politikaları, yönetim modelleri, siyaset bilimi ile çağdaş siyaset teorileri konularında öğrencilere analitik düşünce becerisini kazandırmak,
2. Siyaset bilimi ve kamu yönetimi alanlarıyla ilgili objektif, eleştirel ve çözüm odaklı bakış açısı geliştirmek,
3. Üniversitelerde, kamu kurumları ile özel kuruluşlarda, sivil toplum örgütlerinde ve medya kuruluşlarında çalışacak etik sorumluluk sahibi konularına vakıf uzmanlar yetiştirmek,
4. Demokrasinin ve kamu yönetiminin etkin ve katılımcı bir şekilde işlemesine katkıda bulunabilecek bilimsel araştırmalar ve projeler üretmektir.

Vizyon

1. Siyaset bilimi ve kamu yönetimi alanlarında ulusal ve uluslararası düzeyde saygın bir araştırma ve eğitim merkezi olmak,
2. Siyaset Bilimi ve Kamu Yönetimi alanlarında bilimsel yayın, araştırma ve projeleri teşvik eden akademik bir ortam yaratmak,
3. Siyaset Bilimi ve Kamu Yönetimi alanlarında toplumsal sorunlara duyarlı, olaylara objektif yaklaşabilen, etik değerleri yüksek araştırmacılar yetiştirmek,
4. Teori ile pratiği harmanlayarak, siyasete ve kamu yönetimine yön veren çalışma, araştırma ve projelerin üretilmesine ev sahipliği yapmaktır.

Programın Amacı

Siyaset Bilimi ve Kamu Yönetimi doktora programı, öğrencileri akademik, bilimsel, objektif bilgilerle donatarak alanla ilgili çalışmalara katkıda bulunmayı, bu alanda nitelikli işgücü ile sorgulayan ve araştıran bilim insanları yetiştirmeyi, söz konusu alanlarla ilgili çalışma ve projelerin bilimsel merkezlerinden bir tanesi olmayı amaçlamaktadır.

Program Çıktıları

Siyaset Bilimi ve Kamu Yönetimi doktora programıyla öğrenciler

1. Siyaset Bilimi ve Kamu Yönetimi alanlarında öğrenciler akademik, objektif ve eleştirel düşünme becerilerini geliştirebilecekler;
2. Siyaset Bilimi ve Kamu Yönetimi alanlarında teorik bilgilerin pratik karşılıklarını ortaya koyabilecekler;
3. Konuları disiplinler arası bir bakış açısıyla ele alıp konuları çok taraflı olarak değerlendirebilecekler,

4. Kamu yönetimi, yönetim uygulamaları ve siyaset bilimiyle ilgili güncel bilgi ve verilerle bilgi dağarcıklarını artırabilecekler,
5. Akademik ve profesyonel yönlerini güçlendirebilecekler,
6. Bilimsel ve objektif bir şekilde alanla ilgili tez, proje ve akademik yayınlara imza atabileceklerdir.

Müfredat

I. YARIYIL (GÜZ)					II. YARIYIL (BAHAR)				
Dersin Kodu	Dersin Adı	T	P	C	Dersin Kodu	Dersin Adı	T	P	C
SBK603	Türk Siyasi Tarihi	3	0	3	SBK623	Örgüt Kuramı	3	0	3
SBK601	Çağdaş Siyaset Bilimi Kuramları	3	0	3	SBK605	Devlet ve Toplum Kuramları	3	0	3
SBK602	Küreselleşen Dünyada Kamu Yönetimi Kuramları	3	0	3	SBK629	Yönetim Teori ve Pratiği			
SBK620 Çağdaş Siyasal İdeolojiler (3-0)3 (ortak ders)									
Toplam: 21 kredi									

III. YARIYIL

Dersin Kodu	Dersin Adı	T	P	C
SBK690	Seminer (Kredisiz)	0	0	0
Toplam				0

IV. YARIYIL

Dersin Kodu	Dersin Adı	T	P	C
SBK650	Doktora Yeterlik (Kredisiz)	0	0	0
Toplam				0

V, VI, VII ve VIII. YARIYILLAR

SBK600	Tez (Kredisiz)	0	0	0
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Bilimsel Hazırlık (gerekli görüldüğü takdirde)

FALL SEMESTER					SPRING SEMESTER				
Course Code	Course Name	T	P	C	Course Code	Course Name	T	P	C
SBKY501	Kamu Yönetimi: Kuram ve Uygulama	0	0	0	SBKY504	Politika Teorisi ve Analizi	0	0	0
GMDR501	Araştırma Yöntemleri	0	0	0	GMDR501	Araştırma Yöntemleri	0	0	0
EYD504	Örgütsel Davranış	0	0	0	SBKY516	Kamu Yönetimi ve Etik	0	0	0

Kariyer Olanakları

Siyaset Bilimi ve Kamu Yönetimi doktora programından mezun olacak öğrenciler üniversitelerde kariyer yapma, kamu kurumlarının yanı sıra özel sektör kuruluşlarında uzman olarak çalışma, düşünce kuruluşları ile sivil toplum örgütlerinde uzman olarak yer alma olanaklarını elde edeceklerdir. Bunların yanı sıra, Siyaset Bilimi ve Kamu Yönetimi alanında faaliyet gösteren uluslararası örgütler ile medya kuruluşlarında da iş yaşamlarını sürdürebileceklerdir.

İletişim Bilgileri

Bölüm Başkanı

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DERS KATALOG TANIMLARI

SBK603 Türk Siyasi Tarihi

Bu ders, Cumhuriyet dönemi Türkiye siyasi tarihini ele almaktadır. Bu dönemin tartışılmasında kronolojik bir hat izlenecek ve 1930'ların son dönemlerinden başlanacaktır. Sırasıyla, tek parti döneminin özelliklerine, demokrasiye geçişe değinilecek ve 12 Eylül 1980 askeri darbesine kadar gelinilecektir. Temel amaç, bu dönemi şekillendiren toplumsal dinamikleri ortaya çıkarmaktır. Bu toplumsal dinamiklerin zaman içinde nasıl değiştiği ya da ne derece sabit kaldığı araştırılacaktır. Değinilecek olan temalar şunlardır: Demokratikleşme, siyasi parti sistemleri, devlet-toplum ilişkileri, askerın siyasi rolü, siyasi liderlik ve ideolojiler.

SBK601 Çağdaş Siyaset Bilimi Kuramları

Çağdaş siyaset kuramları tartışması içerisinde, klasik kuramların temel ilkeleri ve görüşleri ile eleştirel kuram gibi çağdaş yaklaşımların düşünceleri karşılaştırılmaya ve zaman zaman ortaklaştırılmaya çalışılacaktır. Bu bağlamda Althusser, Balibar, Badiou ve Agamben gibi çağdaş siyaset kuramının temsilcilerinin düşünceleri tanıtılacaktır. Her bir kuramcının geliştirdiği siyasi kavramlar açıklanacaktır. Ancak bu kuramcıların düşünce ve kavramları yalıtık olarak değlendirilmeyecektir. Dersin amacı çağdaş düşünceleri, Arsitoteles ve Machiavelli gibi klasik siyaset kuramının temsilcilerinin kavramlarıyla ilişkilendirmektir.

SBK602 Küreselleşen Dünyada Kamu Yönetimi Kuramları

Dersin içeriğini ilk olarak kamu yönetimi kavramının tanımları oluşturmaktadır. Kamu yönetimi terminolojisi ve temel kavramları, kamu yönetimi faaliyetinin ilkeleri ve Yunan kent düzeninden günümüze devlet yapısının ve kamu sektörünün gelişimi araştırılacak; kamu hizmetinin amaçları, araçları ve özellikleri ile demokratik toplumlarda kamu yönetiminin rolü tartışmaya açılacaktır. Dersin ikinci parçasını ise kamu politikaları oluşturmaktadır. Siyaset biliminde kamu politikalarının tanımlanması, çağdaş kamu politikaları teorileri, küreselleşen dünyada kamu alanı kavramının özellikleri, sosyal medya ve dijitalleşmenin yarattığı yeni kamusal alanın özellikleri, küresel vatandaşlık kavramı, neo-liberal devletin kamusal faaliyetleri ve bu alanda yaşanan ideolojik ve pratik dönüşümler incelenecektir.

SBK623 Örgüt Kuramı

Ders, modern bürokrasinin oluşma süreci ve bu aşamada ortaya çıkan kuramların açıklanması ile başlamaktadır. Ardından, modern bürokrasilerin işleyişi, organizasyon-çevre ilişkilerine değinilecektir. Ardından, organizasyonlar mikro düzeyde incelenecektir. Organizasyonlarda davranış ve yapılanma, organizasyon kültürü, organizasyon modelleri, kurumlar sosyolojisi ve yasal düzenlemelerin ötesinde kurumların işleyişi, organizasyonlarda çatışma ve güç kavramları, organizasyonlarda güdülenme ve liderlik kuramları, aktörlerin kurumsal düzen içinde özerkliği ve yeni örgüt modelleri temel başlıkları oluşturmaktadır.

SBK605 Devlet ve Toplum Kuramları

Dersin amacı öğrencilere, gelişmiş kapitalist devletlerdeki devlet-toplum ve devlet-iktisat ilişkisine dair modelleri tanıtmaktır. Ders, tarihsel bir bakış açısına sahiptir. Başlangıç noktası, yaklaşık olarak 15.yy'ın ortalarına denk gelen erken modern dönemdir. Ders, bu dönemde ortaya çıkan piyasa odaklı kapitalist toplumların incelenmesi ile başlayacaktır. Bu toplumun devlet kurumunda neden olduğu dönüşüm analiz edilecektir. Bu bağlamda ele alınacak devletler İngiltere, Fransa ve Almanya'dır. Bir sonraki dönemde, kapitalizmin gelişmesinin Güney Avrupa devletlerinde bilhassa devlet-toplum ilişkisinde yarattığı değişim incelenecektir. Ders, sanayi ilişkilerinin temel kurumsal yapılarını ve sanayinin gelişiminin devletle bağlantısını tartışacaktır.

SBK629 Yönetim Teori ve Pratiđi

İşletme ve Yönetimin Temel Kavramları, Amaçları ve Çevre ile İlişkileri: Temel kavramlar, İşletmenin amaçları, Ekonomik yapı içindeki yeri, Yönetici ve girişimci arasındaki fark; İşletmelerin Sınıflandırılması: Büyüklük, Mülkiyet, Hukuki yapı vb. açısından sınıflandırma; İşletmelerin Kuruluş Çalışmaları, Büyüklüğü ve Kapasitesi: Kuruluş aşamaları, Yer seçimi, Büyüklüğünün belirlenmesi, Kapasite; İşletme Fonksiyonları: Yönetim, Organizasyon, Kontrol, Planlama; Organizasyonun İşleyişi: Liderlik ve yönetim, Stratejik yönetim, Deđişim, Gruplar, Motivasyon

SBK620 Çađdaş Siyasal İdeolojiler

Çađdaş Siyasal İdeolojiler Dersi, aydınlanma çađı sonrası dönemde önem kazanan siyasal ideolojiler ve bunların ekseninde 20. Yüzyılda önem kazanan akımları konu almaktadır. Bu kapsamda ele alınan siyasal ideolojiler arasında liberalizm, muhafazakârlık, milliyetçilik, Marksizm, anarşizm, sosyal demokrasi, feminizm, faşizm ve korporatizm bulunmaktadır. Tarihsel bağlam içinde öncelikle ana akımlar ele alınmakta, 20. Yüzyıl siyasal düşüncesi bu kapsamda incelenmektedir. 21. Yüzyılda küresel düzeyde yükselen siyasal ve ekonomik anlayışlar bu bağlamda değerlendirilmektedir.