

FACULTY OF ARTS AND SCIENCES

Dean: ERGİN, Canan, Prof. Dr., B.A., M.A., Ph.D., Hacettepe University

Associate Dean: ARDA, Lütfü, B.S., Hacettepe University, M.S., Gazi University, Ph.D., Florida State University and Marmara University.

GENERAL INFORMATION: The departments and programs in the Faculty offer a rich array of courses and degrees in the core disciplines of the Arts and Sciences as well as in emerging interdisciplinary fields. The Faculty of Arts and Sciences is made up of a very broad array of academic departments and programs engaged in research and teaching in the social sciences, humanities, physical sciences, mathematics and education. Our Faculty offers the most diverse educational experience at Bahçeşehir, awarding 6 academic degrees in 8 academic departments and interdisciplinary programs namely, Mathematics, Mathematics and Computer Sciences, American Culture and Literature, Sociology, Psychology, Computer & Educational Technologies.

Modern Languages, Physical Sciences and General Education Departments do not offer degrees, but provide courses to all the schools of Bahçeşehir University. Every semester we have approximately 4000 students enrolling in these courses. Students of the General Education program are encouraged to explore new fields, to try new languages, to pursue creative endeavors, and to experiment intellectually. In its core curriculum courses, the faculty take great pride in providing learning opportunities for students, particularly those aimed at improving critical thinking, computational, and writing skills. In addition to studying the traditional disciplines, students have many opportunities to participate in interdisciplinary programs. We are in the process of initializing M.A and Ph.D. programs in various disciplines in a very near future to train the next generation of researchers for the academy, industry, and public service. It is a project, which we sincerely believe, would enhance our reputation as a prestigious faculty.

DEPARTMENT OF AMERICAN CULTURE AND LITERATURE

PROFESSORS

UÇELE, Hatice Gönül (*Chairperson*): B.A., Ankara University, Ph.D., Hacettepe University.

ASSISTANT PROFESSORS

TÜZÜN, Hatice Övgü: B.A, Istanbul University, M.A, Ph.D, University of Kent at Canterbury.

INSTRUCTORS

BAŞ, Elif: B.A., Boğaziçi University, M.A., Essex University, Ph.D., Istanbul University.

BOON, Carl Jeffrey: B.A., Denison University, M.A., Ph.D., Ohio University.

ÇAKIR, Burçin: B.A., M.A., Bilkent University, Ph.D., Texas Tech University.

TEACHING ASSISTANTS

ÜNAL, Özüm: B.A., Hacettepe University, M.A., Kadir Has University.

ADJUNCT PROFESSORS

BAKAY, Gönül: B.A.,University of London, Ph.D., Istanbul University.

GENERAL INFORMATION: American Culture and Literature Department offers a program leading to the Bachelor of Arts degree. The department has a wide variety of course selection that examines the United States in all its complexity, integrating literature, culture, and history. This interdisciplinary program will not only introduce students to the study of the United States, but will also develop critical and creative thinking skills that will allow students to reflect upon their own culture and its history and literature.

The primary objective of the department is not only to focus on language and literature but to consider various issues through different historical, political and cultural perspectives so as to establish analytical and comparative thinking. The core and elective courses that the department offers among others include: American literature, poetry, American history, drama, mythology, translation, comparative literature, literary criticism, introduction to film studies, popular fiction, american west, gothic novel, american art. Through a study of major authors, literary works and movements, the program helps students to achieve a mature understanding of themselves and the world, and to learn to read critically and analytically, write clearly and persuasively, reason soundly and express themselves intelligently in English. In addition to giving a solid foundation in American Literature and Culture, the curriculum emphasizes critical thinking, communication.

Apart from department courses, students will be able to take elective courses that are designed to attain diversity, from a wide variety of subjects offered by the other departments of the University, notably in foreign languages, social sciences, computer programming, and fine arts. This wider distribution of courses will provide the students with opportunities to broaden their culture, contribute to a desirable balance of intellectual interests, and prepare them for more specialized studies in the future.

Over the years, we have noted that our graduates enjoy productive careers in the public and private sectors of Turkey and countries abroad, in such fields as business finance, tourism, government, international relations, education, the media, technology, and the arts, to name only a few.

CURRICULUM

FIRST YEAR

First Semester

ACL	1001	Introduction to English Literature I	(3-0)3
ACL	1007	Essay Writing and Textual Analysis I	(2-2)3
ACL	1009	Developing Speaking Skills I	
ACL	1011	Mythology	(3-0)3
ACL	1013	Literary Terms	(3-0)3
GEP	1005	History of Civilization I	(3-0)3

Second Semester

ACL	1002	Introduction to English Literature II	(3-0)3
ACL	1008	Essay Writing and Textual Analysis II	(2-2)3
ACL	1010	Developing Speaking Skills II	(3-0)3
ACL	1012	Introduction to Popular Culture	(3-0)3
ACL	1104	American History I	(3-0)3
GEP	1006	History of Civilization II	(3-0)3

SECOND YEAR

Third Semester

ACL	2001	Survey of American Literature	(3-0)3
ACL	2005	Introduction to Short Story	(3-0)3
ACL	2009	Introduction to Novel	(3-0)3
ACL	2109	Research Techniques	(3-0)3
TLL	2021	Turkish Language and Literature I	(2-0)2
		Departmental Elective	(3-0)3

Fourth Semester

ACL	2002	Introduction to Poetry	(3-0)3
ACL	2006	Introduction to Drama	(3-0)3
ACL	2010	Major Writers of World Literature	(3-0)3
ACL	2104	American History II	(3-0)3
TLL	2022	Turkish Language and Literature II	(2-0)2
		Departmental Elective	(3-0)3
		GE Elective	(3-0)3

THIRD YEAR

Fifth Semester

ACL	3001	American Drama I	(3-0)3
ACL	3003	American Novel I	(3-0)3
ACL	3005	American Poetry I	(3-0)3
ACL	3007	Translation I	(3-0)3
HIST	3051	History of Turkish Republic I	(2-0)2
		Departmental Elective	(3-0)3
		GE Elective	(3-0)3

Sixth Semester

ACL	3002	American Drama II	(3-0)3
ACL	3004	American Novel II	(3-0)3
ACL	3006	American Poetry II	(3-0)3
ACL	3008	Translation II	(3-0)3
ACL	3010	Literary Criticism	(3-0)3
HIST	3052	History of Turkish Republic II	(2-0)2
		Departmental Elective	(3-0)3

FOURTH YEAR

Seventh Semester

ACL 4001	Introduction to Women's Studies	(3-0)3
ACL 4003	Postmodern Literature	(3-0)3
ACL 4005	Literature and Film	(3-0)3
ACL 4007	Comparative Literature	(3-0)3
	Departmental Elective	(3-0)3

Eighth Semester

ACL 4002	Ethnic Literature	(3-0)3
ACL 4004	Women in Literature	(3-0)3
ACL 4006	Topics in Popular Culture	(3-0)3
ACL 4008	Science Fiction and Fantasy	(3-0)3
	Departmental Elective	(3-0)3

LIST OF ELECTIVE COURSES

ACL 2011	Introduction to Film Studies	(3-0)3
ACL 2012	Native American Culture and Literature	(3-0)3
ACL 2013	Popular Fiction	(3-0)3
ACL 2014	American West	(3-0)3
ACL 3009	The American South	(3-0)3
ACL 3011	African American Culture and Literature	(3-0)3
ACL 3012	Gothic Novel	(3-0)3
ACL 3013	Literature of Harlem Renaissance	(3-0)3
ACL 3014	Topics in Classical Cinema	(3-0)3
ACL 3015	America and War	(3-0)3
ACL 3016	The Asian American Culture and Literature	(3-0)3
ACL 3018	Major American Writers	(3-0)3
ACL 4009	Music and America	(3-0)3
ACL 4011	American Art	(3-0)3

COURSE DESCRIPTIONS

ACL 1001 Introduction to English Literature I (3-0)3

Introduction to English Lit. I: A survey course designed to give the students overall/general information about the beginnings of Eng. Literature till the 17th century. Students will study selected passages from important literary genres and figures that helped make the earlier periods of English Literature such as the epic-Beowulf-Old English-, Medieval- and Elizabethan- periods-poetry/prose-, Chaucer, Shakespeare, Marlowe and early 17th century-Bacon, Andrew Marvell or John Donne.

ACL 1002 Introduction to English Literature II (3-0)3

A survey of English Literature covering the 2nd part of the 17th century to the beginning of the 20th century, aiming to give the students a general idea about major writers and literary movements by focusing on selected short passages from poetry plays and prose, e.g. Dryden, Pope, Swift, The Romantics, the Victorians, etc.

ACL 1007 Essay Writing and Textual Analysis I (2-2)3

This course aims at enabling the student to analyze and effectively use complex patterns of English grammar. One of the aims of the course will be to equip the students with skills of summary –building through sample texts

from diverse cultural studies, history, political science, film studies, literature etc.

ACL 1008 Essay Writing and Textual Analysis II (2-2)3

The methods treated in ACL 1003 Essay Writing I shall be further developed to give the basics for creative writing. The course will equip the students with skills of summary – building through sample texts from diverse cultural studies, history, political science, film studies, literature etc.

ACL 1009 Developing Speaking Skills I (3-0)3

The major objective of this course is to enhance the communication ability of students and to familiarize them with major communication skills. In this course students will learn to express themselves before a group by talking about timely topics, participating in discussions and activities and preparing oral presentations.

ACL 1010 Developing Speaking Skills II (3-0)3

This course will entail the reading, analysis and discussion of passages from various sources to enrich vocabulary and terminology and also encourage public speaking by teaching technical skills for oral presentation. Methods of research including the chief bibliographical tools, form and documentation shall also be introduced.

ACL 1011 Mythology (3-0)3

Readings in the major mythologies of the world, such as Egyptian, Greek, Scandinavian, Latin, etc. The objective of this course is to help students develop a lively appreciation for the special language of "Myth," which refers to the human tendency to shape our experience of reality through stories and symbols. An understanding of myth will help students to deepen their feelings for literature as well as pursue their own creative directions.

ACL 1012 Introduction to Popular Culture (3-0)3

The students will examine artifacts of daily life and images around them together with the global influence of American popular culture. This course will concentrate on the influence of popular culture and analyze how popular

culture artifacts fit into the fabric of American life. Such topics as advertisements, TV news and sit-coms, printed media, movies, music, professional sports constitute the subject matter of this course.

ACL 1013 Literary Terms (3-0)3

Literary terms refers to the words themselves with which we identify and designate literary elements and techniques. This course aims to familiarize the students with these terms which are important tools for literary analysis. Literary terms will be briefly defined and the terminology will be applied to selected works of literature. The students will be required to undertake projects, applying these terms to specific genres.

ACL 1104 American History I (3-0)3

The aim of the course is to familiarize the students with the issues taking place in the history of the USA until 1870s; starting from the age of Meso-American civilizations to the Civil War. Apart from the course book, the course will be held in the "discussion following the lecture" format. Various audio-visual material and network sources and presentations will be parts of the course content.

ACL 2001 Survey of American Literature (3-0)3

This course aims at an extensive survey of American literature beginning from the colonial period to the second half of the 20th century. The course will be presented in a way to stress the effect of the basic historical philosophical and political movements.

ACL 2002 Introduction to Poetry (3-0)3

This course will introduce students to a variety of poetic forms and movements with emphasis on 16th century English sonnet, 17th century metaphysical poetry, 19th century Romantic poetry; all of which contributed to the formation of modern western poetry.

ACL 2005 Introduction to Short Story (3-0)3

The course traces the development of the short story through history and depicts through examples the present directions. The course will include short stories from authors of Western (English, American, European) cultures and nationalities in an attempt to

create a comparative approach in understanding the structure of the short story.

ACL 2006 Introduction to Drama (3-0)3

This course is designed to give the students a variety of dramatic genres and theories of dramatic representation starting with Aristotle's "Poetics" and teaching them how to distinguish between various dramatic genres such as tragedy & comedy, naturalistic, expressionistic drama thorough textual analysis of specific texts. Works by Sophocles, Shakespeare/Marlowe, Ibsen, Chekov and Strindberg will be studied.

ACL 2009 Introduction to Novel (3-0)3

This course is designed to give the students a basic background of the major literary movements in the English novel, which later has an impact on the development of the American Novel. Works by writers such as J. Austin, G. Eliot, W. Golding and V. Woolf will be analyzed with emphasis on various literary currents and dynamics developed by different disciplines.

ACL 2010 Major Writers of World Literature (3-0)3

This course aims to familiarize the students with a selection of works of the most well-known authors of the western world with emphasis on Cervantes, Voltaire, Flaubert, Dostoyevsky, and Kafka. Students will be directed in short formative assignments which develop skills and which will form the basis for discussion on their practice.

ACL 2011 Introduction to Film Studies (3-0)3

The course examines a wide variety of Hollywood and independent American films in their artistic, technical, social and economic context. The focus will be on the range of filmmaking styles that have emerged in the United States over the past century.

ACL 2012 Native American Culture and Literature (3-0)3

The aim of this course is to study Native Americans, who are the only U.S. citizens that can claim native roots in America even though most tribes have been dispossessed of and even removed from their original homeland; to examine their resistance to assimilation as it is reflected in contemporary literature in addition

to their quest to assert an Indian identity. The parallel history of Indian-white relations and Native American literary development will be traced.

ACL 2013 Popular Fiction (3-0)3

This course will introduce students to a range of what is considered to be popular writing. Examples of this could include: detective fiction, thrillers, historical fiction, etc. Discussion and analysis of these texts will be directed towards subject matter and stylistic features as well as debate on what constitutes their popularity. Students will be directed in short formative assignments which develop skills and which will form the basis for discussion on their practice.

ACL 2014 American West (3-0)3

The aim of this course is to increase students' knowledge of the American West and the role it has played in shaping America's geography, politics, and history, view of itself as a nation and its myths of origin. While studying the critical role the West—both as an idea and as a geographical entity—has played in the development of America, basic concepts such as the frontier, Manifest Destiny, issues of race, the gold rush and its significance will be examined.

ACL 2104 American History II (3-0)3

A survey of American history from the colonial era to the present, focusing on the historical roots of contemporary problems. Topics include: colonization and settlement; the emergence of democracy; slavery and race relations; sectional conflict and the Civil War; industrialization and its political, social and cultural consequences; and the rise of the U.S. as a world power.

ACL 2109 Research Techniques (3-0)3

Students will be acquainted with the diverse methods of research ranging from literary criticism to MLA formatting. Students will learn to devise research proposals, temporary drafts and will also be familiarized with MLA style documentation and composition of rough outlines.

ACL 3001 American Drama I (3-0)3

A study of 20th century plays highlighting the role of the playwright as a social critic. The period from 1920's to the 1960's shall be

studied within a social, psychological and political context. Works by O'Neill, Hellman, Miller and Williams will be analyzed.

ACL 3002 American Drama II (3-0)3

This course is designed to give the students a thorough appreciation of the American drama from the 1960's to the present with special emphasis on the diverse/ controversial dramatic movements and theater groups that are part of the dramatic revolution of 60s.

ACL 3003 American Novel I (3-0)3

Introducing the novel as a literary form, the course will trace the development of the novel in America from 1860 to 1900. Readings may include works by Hawthorne, Melville, Twain, H. James, E. Wharton, and others.

ACL 3004 American Novel II (3-0)3

This course will cover the period from 1900 to 1945; works to be studied shall be selected from writers such as S. Crane, H. Garland, E. Hemingway, F.S. Fitzgerald, W. Faulkner, J. Steinbeck, J. London and 'popular' novels.

ACL 3005 American Poetry I (3-0)3

This course will cover the early romantics such as William Cullen Bryant with emphasis on the romantic and realistic movements, which would include works by E.A. Poe, R.W. Emerson, W. Whitman and E. Dickinson.

ACL 3006 American Poetry II (3-0)3

This course aims at giving the students a background to modernism with T. S. Eliot and Ezra Pound and move to more experimental movements with W.C. Williams, R. Frost, W. Stevens, Susan Howe and W. Bronk with a selected variety of texts by some of the above-mentioned poets.

ACL 3007 Translation I (3-0)3

The course will entail the basic techniques and methods in translation stressing the differences in the structure of English and Turkish sentence makeup. It will include translation in both direction, English-Turkish and Turkish-English. Sample texts will be chosen from various literary forms including plays, prose and poetry as well as other areas.

ACL 3008 Translation II (3-0)3

It will build up on the basics developed in ACL 2003 and the student will be required to

be able to translate complete texts from various subjects.

ACL 3009 The American South (3-0)3

This course will provide social and historical information concerning South American experience Trends in nineteenth and twentieth century literature will be discussed and applied to the South and also a historical and critical examination of representative texts from a variety of genres can be made. Selections may vary according to the choice of the instructor. A tentative reading list may include: Kate Chopin, Flannery O'Connor, William Faulkner, Robert Penn Warren, Tennessee Williams.

ACL 3010 Literary Criticism (3-0)3

The economic, cultural and rhetorical structure of the U.S news media in relation to essays, fiction, histories, film and other materials shall be studied. Alternative news reportage and the arts shall be presented as both promising and problematic counter forces to mainstream event making.

ACL 3011 African American Culture and Literature (3-0)3

The aim of the course is to investigate the complexities of the African American experience in the American culture. The fundamental structures of African American existence will be examined through cultural history and literary texts. The course will consist of discussions on the selected texts and their position within America's legal, social and cultural history. The readings may include slave narratives, political rhetoric, short stories, novel(s), drama and poetry.

ACL 3012 Gothic Novel (3-0)3

This course offers the students a different genre which emerged in the 18th century reflecting the dark and mysterious sides of life. The most famous example is Mary Shelley's 'Frankenstein'. Since this genre is still prevalent in Western Literatures, students will also be exposed to modern versions of 'Gothic' such as 'Dracula' along with the classical examples. The aim of this course is to give the students a different version of fact and fable through such works as mentioned above.

ACL 3013 Literature of the Harlem Renaissance (3-0)3

Examines racial pride, racial origins, and urban blacks through an exploration of essays, poems, short stories, and novels by writers of the period (1915-1930). Authors include Langston Hughes, Arna Bontemps, Countee Cullen, Nella Larsen, Jean Toomer, and Zora Neale Hurston. Emphasis is on students' written analysis of in-class and outside readings.

ACL 3014 Topics in Classical Cinema (3-0)3

This course will trace the development of the classical Hollywood cinema, as well as significant alternatives to this dominant mode of representation, by relating analyses of the formal elements of film texts to discussions of film industries and audiences as well as the larger social, historical context. A key element of the classical Hollywood tradition (e.g., classical form, the auteur, the star system, or studio practices) is considered in detail.

ACL 3015 America and War (3-0)3

The course intends to provide the students with a general view of how America's involvement in various wars at home and abroad have influenced the politics, arts and American society. This course aims also at issues such as how past wars have shaped American politics and society, and/or in what ways wars have influenced the arts and literature of the US. The students will discuss America's involvement in wars in relation to their political and cultural and/or literary and artistic context.

ACL 3016 The Asian American Culture and Literature (3-0)3

This class will focus on the rich and diverse ways in which Asian Americans (Chinese, the Japanese, the Korean, the Filipino, the South/Southeast Asian and the South Pacific islanders) have contributed to American history. Through an examination of the history, sociology and literature, the identity and experiences of Asian Americans will be reviewed. Literary analysis will focus on themes, form, style, language, and structure of a variety of works.

ACL 3018 Major American Writers (3-0)3

The aim of this course is to acquaint students with a major writer/ group of writers, single movement/movements, specific period/periods, theme/themes, specific genre/genres that have had an impact on American literature and culture. A tentative list may include authors such as William Faulkner, Ernest Hemingway, Alice Walker etc.

ACL 4001 Introduction to Women's Studies (3-0)3

This course traces the position of women in society as the American culture transforms into an industrial/technological culture. The role of women as economical power in the period 1920-1940 and the women's movement in 1960's shall be studied through various sources literary texts, films, historical studies and feminist writings.

ACL 4002 Ethnic Literature (3-0)3

The course presents a comparative study of the culture and writings of Native Americans, along with Italian, Jewish, Irish Americans or other 19th and 20th century early immigrants. Themes to be explored are ethnocide, assimilation, integration, and 'melting pot' theories. Students will be exposed to the representations of Chicana/o Latin/o, Puerto Rican, Cuban, Asian-American and Native-American cultural identities. Writers may include Islas, Viamontes, Anzaldúa, Cisneros, and Yamashita.

ACL 4003 Postmodern Literature (3-0)3

The 'postmodern' American culture shall be explored through visual and literary representations: novels, visual arts, film and poetry. Several core themes shall be analyzed; including folklore, popular culture and multiculturalism. Some of the readings may be works of J. Kerouac, J.D. Salinger, R. Ellison, S. Bellow, B. Malamud, N. Mailer, J. Baldwin, T. Pynchon.

ACL 4004 Women in Literature (3-0)3

In this course students will explore various texts produced by women in the United States. Each work will be considered in its cultural context, discussing how such issues as race, gender, class, and popular culture influence the production of the text. Works by N. Larsen,

Z.N. Hurston, T. Morrison, T. McMillan, A. Walker and G. Naylor shall be studied.

ACL 4005 Literature and Film (3-0)3
This course will examine how works of literature (fiction and drama) have provided the textual foundations for cinematic productions. Students will learn how to interpret a film and comment/discuss its treatment of a literary or dramatic text. Steinbeck's 'Grapes of Wrath' and James Fennimore Cooper's 'Last of the Mohicans' and their film versions would be good examples for such evaluations.

ACL 4006 Topics in Popular Culture (3-0)3
In this course we how popular culture is becoming increasingly central to social life in the United States and around the world will be examined. Popular culture will be defined as an interdisciplinary study that investigates American mass culture in its various forms including popular fiction and art, best sellers, Hollywood, advertising and popular music, including popular fiction and art, best sellers, Hollywood, advertising and popular music.

ACL 4007 Comparative Literature (3-0)3
This course is designed to give the students a thorough appreciation of the 19th and 20th century literary movements in Europe, United States and Turkey; concentrating on specific genres as seen fit.

ACL 4008 Science Fiction and Fantasy (3-0)3
This course is designed to give the students the opportunity to study some of the most important writers who initiated and developed this genre such as Jules Verne, H.G. Wells, Ursula le Guin, I. Asimov, Tolkien and Anne Rice-just to name a few. Emphasis will be on the different approaches of various authors from different backgrounds and different periods.

ACL 4009 Music and America (3-0)3
This course provides an insight to American music by familiarizing students with its different genres and styles and a selection of key artists and their works. The study of American music may focus on a single musical genre or a variety of genres such as Native-American music, folk, country, jazz, rock'n roll, grunge, pop and hip-hop. The course will be enriched with lyrics, related articles and audio-visual material.

ACL 4011 American Art (3-0)3
The course is designed to provide a comprehensive study of the heritage of American Art from the colonial times to the present in painting, sculpture and architecture. Upon completion of this course, students will have acquired an aesthetic awareness of a wide range of artistic productions of the past, and will be able to reflect on the evolving nature of American society and culture through the lens of its art.

DEPARTMENT OF COMPUTER AND INSTRUCTIONAL TECHNOLOGIES EDUCATION

ASSISTANT PROFESSORS

HACIFAZLIOĞLU, Özge (*On leave*): B.A., Bilkent University, M.A., Ankara University, Ph.D., Marmara University.
KARADENİZ, Şirin: B.S., Gazi University, M.S., Gazi University, Ph.D., Ankara University.
ÖZTÜRK, Mehmet Ali (*Chairperson*): B.A., Boğaziçi University, M.S.Ed., City College of City University of New York, Ph.D., Virginia Tech.

INSTRUCTORS

AYDIN, Tarkan: B.S., Boğaziçi University, M.A., Bahçeşehir University.
SOMÇELİK KÖKSAL, Ayşegül: B.A., Middle East Technical University, M.A., Boğaziçi University, Ph.D., University of Tübingen.
ŞİRİN, Lauren: B.A., College of New Jersey, M.A., Boston College, Ph.D., Boston College.
UYANIK, Neşe: B.A., Boğaziçi University, M.A., Middle East Technical University.

TEACHING ASSISTANTS

ÖNDİN, Zerrin: B.S., Marmara University, B.A., Boğaziçi University
ŞAHİN, Kemal: B.S., Bahçeşehir University

ADJUNCT PROFESSORS

AKPINAR, Yavuz: B.S., Hacettepe University, M.A., Ph.D., Leeds University.
BAYRAM, Servet: B.S., Istanbul University, M.A., Boğaziçi University, Ph.D., University of Pittsburgh.
UZUNBOYLU, Hüseyin: B.S., Anadolu University, M.A., Ph.D., Ankara University

GENERAL INFORMATION: The Department of Computer Education and Instructional Technologies is a multidisciplinary department that brings together the field of education with computer and instructional technologies. Therefore, it provides its students with a multifaceted education and a variety of job possibilities after graduation. Since the support of computer technologies is needed in almost all areas, it is far from being a luxury for today's individuals to effectively use computer technologies. One of the fields of work of our graduates is to provide computer education for individuals of all ages in all kinds of institutions. A second area of employment that is as important as the first one is to produce educational software and computer applications that will make the engagement of individuals in computers most useful. This is the type of work of our graduates that will contribute the most to the equity and excellence in education, especially in a country like Turkey with a young population. Perhaps, the easiest way to provide individuals with the possibility of accessing whatever educational content they want whenever and wherever is to develop quality materials in which all technical means are used optimally and educational principles are followed carefully. Since knowledge and skills that individuals can acquire through computer applications are innumerable, this kind of work also opens up employment opportunities for our graduates.

To be successful in this multidisciplinary field of work, our students are prepared in three different areas: computer technologies, instructional technologies, and educational sciences. They take courses that make them competent in teaching basic and advanced level computer use to individuals of all ages and in developing educational software and other computer-based materials for these users.

Equipped with the knowledge base and skills necessary for the use of technology and the application of pedagogical principles, our students graduate from the program ready to successfully function in fields involving computer-based educational material design and development, information technologies, and educational sciences. As part of the curriculum, a number of courses are also offered on design, development, application, and evaluation of projects applying computer technologies onto instructional media.

Our graduates can work in schools as a “Teacher of Computer and Instructional Technologies”. They can also find jobs at all levels of educational institutions as experts of computer-based education. Other opportunities for employment include, but are not limited to, working in companies that develop educational software or provide distance learning. As they take many computer-related courses such as operating systems, programming languages, computer network, databases, graphic design, and internet-based applications, our graduates can also get employed in the field of information technologies as programmers, web designers, etc.

CURRICULUM

FIRST YEAR

First Semester

PHYS 1003	General Physics I	(2-2)3
MATH 1053	Calculus I	(2-2)3
CEIT 1015	Introduction to Teaching	(2-2)3
CEIT 1017	Information Technologies in Education I	(3-2)4
ENG 1003	Communication Skills and Academic Reporting I	(2-2)3
GEP 1005	History of Civilization I	(3-0)3

Second Semester

PHYS 1004	General Physics II	(2-2)3
MATH 1054	Calculus II	(2-2)3
CHEM 1102	Chemistry for Educational Sciences	(2-2)3
CEIT 1018	Information Technologies in Education II	(3-2)4
CEIT 1022	Educational Psychology	(2-2)3
ENG 1004	Communication Skills and Academic Reporting II	(2-2)3

SECOND YEAR

Third Semester

CEIT 2023	Computer Hardware	(2-2)3
CEIT 2025	Instructional Methods and Principles	(3-0)3
CEIT 2027	Material Design and Production in Education	(2-2)3
CEIT 2033	Programming Languages I	(3-2)4
TLL 2021	Turkish Language and Literature I	(2-0)2
Departmental Elective		(3-0)3
GE Elective		(3-0)3

Fourth Semester

CEIT 2010	Community Service Applications	(1-2)2
CEIT 2028	Graphics and Animation in Education	(2-2)3
CEIT 2032	Measurement and Evaluation	(3-0)3
CEIT 2034	Programming Languages II	(3-2)4
TLL 2022	Turkish Language and Literature II	(2-0)2
Departmental Elective		(3-0)3
GE Elective		(3-0)3

THIRD YEAR

Fifth Semester

CEIT	3021	Operating Systems and Applications	(2-2)3
CEIT	3023	Database Management Systems	(2-2)3
CEIT	3025	Classroom Management	(3-0)3
CEIT	3027	Instructional Design	(3-0)3
CEIT	3033	Special Instructional Methods I	(2-2)3
CEIT	3035	Fundamentals of Distance Education	(2-2)3
HIST	3051	History of Turkish Republic I	(3-0)3

Sixth Semester

CEIT	3016	Turkish Educational System and School	(3-0)3
CEIT	3022	Computer Networks and Communication	(2-2)3
CEIT	3024	Internet Based Programming	(3-2)4
CEIT	3028	Multimedia Design and Production in Education	(2-2)3
CEIT	3034	Special Instructional Methods II	(2-2)3
HIST	3052	History of Turkish Republic II	(2-0)2
		Departmental Elective	(3-0)3

FOURTH YEAR

Seventh Semester

CEIT	4003	Project Development and Management I	(2-2)3
CEIT	4005	Web Design	(2-2)3
CEIT	4007	School Experience	(1-4)3
CEIT	4009	Scientific Research Methods	(2-0)2
		Departmental Elective	(3-0)3

Eighth Semester

CEIT	4004	Project Development and Management II	(2-2)3
CEIT	4014	Guidance	(3-0)3
CEIT	4016	Teaching Application	(2-6)5
		Departmental Elective	(3-0)3
		Departmental Elective	(3-0)3

LIST OF ELECTIVE COURSES

CEIT 2005	Quality in Education	(3-0)3
CEIT 2014	Fundamentals of Computer Based Instruction	(3-0)3
CEIT 2041	Human-Computer Interaction	(3-0)3
CEIT 2043	Introduction to Graphic Design	(3-0)3
CEIT 2045	Web Site Usability	(3-0)3
CEIT 2047	Special Education	(3-0)3
CEIT 3042	Educational Sociology	(3-0)3
CEIT 3050	Selected Topics in Educational Sciences	(3-0)3
CEIT 3051	Web Based Programming .NET	(3-0)3
CEIT 3052	Web Based Training: Planning, Design and Evaluation	(3-0)3
CEIT 3053	Educational Game Design	(3-0)3
CEIT 3054	Java Programming	(3-0)3
CEIT 4017	Internet Applications in Education	(3-0)3
CEIT 4021	Special Topics in Educational Sciences & Instructional Technologies I	(3-0)3
CEIT 4022	Special Topics in Educational Sciences & Instructional Technologies II	(3-0)3
CEIT 4023	Interpersonal Relations	(3-0)3
CEIT 4024	Career Development	(3-0)3
CEIT 4025	Adult Education	(3-0)3
CEIT 4026	Statistical Methods in Educational Research	(3-0)3
CEIT 4028	Clinical Psychology	(3-0)3

COURSE DESCRIPTIONS

CEIT 1015 Introduction to Teaching (2-2)3

The characteristics and principles of teaching, class and school medium, alternative perspectives in education, the social, psychological, philosophical and historical bases of education, Turkish school system.

CEIT 1017 Information Technologies in Education I (3-2)4

Information systems and introduction to computer, data presentation, the essential parts of the computer system: CPU, input-output devices, and memory. Microcomputers and operating systems: DOS, Windows. Computer programs: word, spreadsheets. The impact of computers on society, computer security and ethics.

CEIT 1018 Information Technologies in Education II (3-2)2

The telecommunication and computer networks. Foundations of Internet. Structure of data and databases. Programming languages and design. Fundamentals of programming and control mechanisms. The use of computer in education. Various educational design tools such as Macromedia Dreamweaver MX, Microsoft PowerPoint XP, Microsoft Publisher, Microsoft Visio, Microsoft Project.

CEIT 1022 Educational Psychology (2-2)3

This course will focus on two basic components of this area: development and learning. In the developmental dimension we will focus on cognitive, psychosocial, psychosexual, emotional and moral development of human beings whereas the within the learning dimension we will cover behavioral, cognitive, complex cognitive, social-cognitive, constructivist and humanistic learning theories.

CEIT 2005 Quality in Education (3-0)3

The purpose of the course is to give a broad view of quality by transferring the existing

ideas and mechanisms into the field of education. "Models for quality, ISO 9000 Series and other quality marks, leadership, teamwork, budgetary management, tools and techniques for quality improvement and strategic planning for quality" are the topics that will be covered within the course plan. The course will also be enriched by providing students with the case studies.

CEIT 2010 Community Service Applications (1-2)2

The importance of community services, discussions about contemporary issues in the community and preparation of projects to solve them; participation in panels, conferences, symposiums as observer, speaker or organizer; volunteering in various social responsibility projects.

CEIT 2014 Fundamentals of Computer Based Instruction (3-0)3

Historical background and stages/development phases of computer based instruction, common formats used in computer aided education: storyboarding, tutorials and drills, one to one education programs, repeat and exercise programs, simulations, instructional game programs, educational games, demonstrations and principles of evaluating them.

CEIT 2023 Computer Hardware (2-2)3

PC, historical development and logic, introduction to main board and CPU, CPU and main board, bridges, details of CPU, Moores rule, Cache, data and instruction, examples of CPU, RAM, RAM technologies, details, chipsets, Input/Output (I/O) systems, ISA, PCI slots, busses, adaptors, hard disks, floppy, CDROM.

CEIT 2025 Instructional Methods and Principles (3-0)3

The basic concepts about instruction, principles of teaching and learning, planning of instruction (yearly plans, daily plans and examples of classroom activities), teaching and

learning strategies, methods and techniques; their relation to actual application, instruction materials, the responsibility of the teacher in increasing the quality of teaching activities, teacher competencies.

CEIT 2027 Material Design and Production in Education (2-2)3

Materials used for education: audio-visual and multi media materials, advantages of these materials in teaching medium, principles and methods for developing teaching material, principles of efficient use of teaching materials.

CEIT 2028 Graphics and Animation in Education (2-2)3

Definition of graphic communication and graphic design, design process and principles, history of graphic design, creativity in graphic design, basic design elements in graphic, application area in graphic design, graphic drawing program (Photoshop, Fireworks).

CEIT 2032 Measurement and Evaluation (3-0)3

The importance of measurement and evaluation in education, basic about measurement and evaluation, qualities of measurement tools (reliability, validity, usability, etc), measurement tools in education and their characteristics, conventional measurement tools (written exams, short-answer exams, true-false type tests, multiple choice tests, matching tests, oral exams, homework); tools to observe students in various ways.

CEIT 2033 Programming Languages I (3-2)4

PC, historical development and logic, introduction to main board and CPU, CPU and main board, bridges, details of CPU, Moores rule, Cache, data and instruction, examples of CPU, RAM, RAM technologies, details, chipsets, Input/Output (I/O) systems, ISA, PCI slots, busses, adaptors, hard disks, floppy, CDROM.

CEIT 2034 Programming Languages II (3-2)4

Rules of visual and network programming, user defined data types, fundamentals of object oriented programming, class and object concepts, design and application of Delphi

software, general structure of Delphi program, data types, variables, standard procedures, sub programs, selection commands, loops, standard objects, Active X technology and Flash integration, database applications.

CEIT 2041 Human-Computer Interaction (3-0)3

Computer-human interface designs: principles, types, models; human factors: ergonomics, physiological issues, cognitive processing, task analysis, hardware; evaluations: usability, surveys, ethnographic; practical examples; data visualization.

CEIT 2043 Introduction to Graphic Design (3-0)3

Fundamentals of Fine Arts (light - shadow,(on natural object), light- shadow (on artificial object), line- dot, definition of line and dot and possibilities, spot, definition and possibilities of spot, spot, spot at art, light perception with spot, light-shadow, line. spot, dot, texture -definition of texture, texture research, texture, artificial textures, natural textures, actual textures, rhythm, definition of rhythm, systematic rhythm, unrestricted rhythm, perspective, dependent line, dependent dot, line with material, dot with material), Introduction to Freehand MX, Beginning drawing in Freehand MX.

CEIT 2045 Web Site Usability (3-0)3

Basic components of usability, usability in different environments, basic design principles, web site usability, evaluation of usability, usability testing will be discussed in this course. In addition Fireworks 8 will be taught to design web site.

CEIT 2047 Special Education (3-0)3

The purpose of the course is to develop an understanding on the education of children with special needs in terms of their physical, perceptual, intellectual, social, behavioral and emotional development. Relations between social deprivation, handicapping conditions and early intervention are particularly emphasized.

CEIT 3016 Turkish Educational System and School (3-0)3

The aim of the course is to give an overview of the Turkish Educational system and structure. Following courses are covered in the course: Turkish Educational System and Structure,

School Management, Organizational Culture, Decision Making, Planning and Evaluation.

CEIT 3021 Operating Systems and Applications (3-0)3

Comparative anatomy of operating systems, computer system structures. Basic concepts and the evolution of operating system. Operating system functions and characteristics. Standard operating systems and structures.

CEIT 3022 Computer Networks and Communication (2-2)3

Fundamentals and architecture of computer networks; network operating systems; computer networks and users. Managing local area networks. Electronic mail, computer conferencing, distance education and their educational applications.

CEIT 3023 Database Management Systems (2-2)3

Introduction to the database management systems. Data abstraction and levels of the abstraction. Entities, attributes and relations. Cardinality and degree of relationships. ER diagrams. Relational data model and characteristics of the relations.

CEIT 3024 Internet Based Programming (3-2)4

Teaching computer science will be discussed in detail in this course. Special instructional methods that are used in teaching computer, classroom management in laboratory environment, evaluation methods for computer courses.

CEIT 3025 Classroom Management (3-0)3

How various discipline and management systems can be applied to classroom environment in order to maintain class stability and effective learning, various contemporary approaches to discipline and conflict resolution, as well as the types of behavioral problems to be met in class and measures to be developed for them, social and psychological factors that affect the student behavior, class medium, group interaction, developing rules for class management, organization in class, creating a positive medium suitable for learning.

CEIT 3027 Instructional Design (3-0)3

Teaching medium, analysis of students, contents and organization. Specification and

writing of educational purposes, teaching theories and strategies, selection and development of teaching materials suitable for objectives.

CEIT 3028 Multimedia Design and Production in Education (2-2)3

Introduction to authoring systems in PC environment, steps in planning and developing instructional software, screen design principles, software for arranging pictures, audio and video, using animations in software.

CEIT 3033 Special Instructional Methods I (2-2)3

The aim of the course is to give students the teaching methods, learning and teaching processes. Students are expected to examine the general methods presented via video clips and relate them with the special teaching methods and strategies. Practical application of the methods will be experienced through micro teaching activities.

CEIT 3034 Special Instructional Methods II (2-2)3

Teaching computer science will be discussed in detail in this course. Special instructional methods that are used in teaching computer, classroom management in laboratory environment, evaluation methods for computer courses.

CEIT 3035 Fundamentals of Distance Education (2-2)3

History of distance education, teaching media and technologies where distance education is used: TV, video, radio and written materials, techniques and methods for planning, preparation and application of these technologies.

CEIT 3042 Educational Psychology (3-0)3

The purpose of the course is to emphasize on education and the process of socialization by pointing out the school as a social agency and the school as a social system. Role of the teacher in the school and in the community will be mentioned.

CEIT 3050 Selected Topics in Educational Sciences (3-0)3

This course will focus on some selected topics in terms of understanding and evaluating students and classroom environment. Learner

differences in terms of various forms of intelligence, creativity, physical and emotional issues, ethnicity, gender, SES, and motivation are topics to be covered in this lecture.

CEIT 3051 Web Based Programming (3-0)3

Developing browser-centric web applications using .NET framework, exploring ASP.NET features such as web forms, custom controls, validation, data binding, caching, security, master pages, navigation, AJAX.

CEIT 3052 Web Based Training (3-0)3

The purpose of this course is to gain knowledge and skills of concepts, theoretical and environments of web based education. The students will be aware on the application of web based education from national and international levels. The students will gain knowledge and skills of planning, design, and evaluation of web based education.

CEIT 3053 Educational Game Design (3-0)3

Design of an educational game is the main aim of this course. Game psychology and principles of game design will be covered in an educational game context. Following subjects will be covered throughout the course: concepts about computer games, basics of computer games, storytelling, level design, learning in virtual environments, the relationship between game-motivation and learning, the role of other fields in educational game design (computer science, psychology, media and communication, graphic arts, etc.), analysis of various educational and non-educational games.

CEIT 3054 Java Programming (3-0)3

The objective of the course is to introduce the basics of object-oriented programming and get the students to an intermediate level of competence in Java programming. Topics include: applets, data structures, creating graphical user interfaces (GUI), exceptions, file input/output (I/O), threads and networking, advanced java concepts (servlets, J2EE and EJB).

CEIT 4003 Project Development and Management I (2-2)3

The relationship between the program and the project; the need for the project, characteristics

of projects, the process of project management, the steps of project planning (start-up, planning, applying, control and close-up), importance of planning, context, budget and time planning.

CEIT 4004 Project Development and Management II (2-2)3

Revision of a research project, systematic literature review, selection of the target population, development of data collection tools, provision of necessary permissions and support, preparation of a comprehensive action plan, data collection.

CEIT 4005 Web Design (2-2)3

Web publishing and processing of web design. Introduction to HTML, links and usage of URLs. Usage of web editors and development applications. Fundamentals of HTML (image tags and properties, page layouts, tables and lists, layers and frames).

CEIT 4007 School Experience (1-4)3

In this course it is aimed that the teacher nominees get informed at a considerably early stage, about the students, school and teaching under the control of an authorized teacher. The main activities are as follows: the school structure and administration, daily routine in school.

CEIT 4009 Scientific Research Methods (2-0)2

Students will be familiar with the concepts of research within the frame of the course. Students will be provided with the data collection analysis techniques by using qualitative and quantitative techniques. Following topics will be covered in the course: Source of Information, Problem, Sub Problems, Method, Limitations, Assumptions, Data Collection, Data Analysis and Interpretation.

CEIT 4014 Guidance (3-0)3

The objectives of the personality services for students and their role in education, introduction of guidance service fields, general principles of guidance, recognizing the student, directing him/her, information gathering and propagating, psychological counseling, placement, follow up, research and evaluation, relations with environment, professional direction, aims of the special education,

selection and education of students that need special education.

CEIT 4016 Teaching Application (2-6)5

An applied teaching seminar designed to helping the teacher candidates gain the teaching skills and giving specific course(s) as planned in the classroom environment.

CEIT 4017 Internet Applications in Education (3-0)3

Internet technologies in education process, development process of Learning Management Systems in Turkey and World, design, development and implementation of Learning Management Systems, development and use Learning Object in Learning Management Systems.

CEIT 4021 Special Topics in Educational Science and Instructional Technologies II (3-0)3

Organized study of selected topics in educational sciences and instructional technologies. Subjects may vary from term to term. Specific content defined upon available Faculty resources and student needs.

CEIT 4022 Special Topics in Educational Science and Instructional Technologies II (3-0)3

Organized study of selected topics in educational sciences and instructional technologies. Subjects may vary from term to term. Specific content defined upon available Faculty resources and student needs.

CEIT 4023 Interpersonal Relations (3-0)3

This course is an introduction to the psychological theories of interpersonal relationships. We will examine how relationships affect development across the lifespan. We will also consider how context influence the role relationships play and way relationships manifest across cultures. Finally, we will explore theories about healthy and unhealthy communication and learn practical skills for building strong relationships in your life.

CEIT 4024 Career Development (3-0)3

Different theories of career development and application of theories to career development issues. The nature of career choice,

development patterns in career choice, components of career development, problems in career choice. Dynamics of vocational adjustment including motivation, success and satisfaction, group cohesiveness. Role of organizational awareness and commitment. Role of occupational information in career choice. Techniques and methods of career planning.

CEIT 4025 Adult Education (3-0)3

A study of and practice in the education of adults based on anthropological theory and adult psychology including consideration of concepts of education as a continuing process and of international strategies for the realization of this concept. The concept of andragogy. Characteristics of adults as learners, cognitive development, interpersonal development, individual differences and change. Adult learning and motivation principles. Diagnosing learning and needs of adults. Designing learning experiences for adults. Tools for training adults. Working with adults in educational setting. Assessing adult learning.

CEIT 4026 Methods and Computer Applications in Education Sciences (3-0)3

The course aims to teach students introductory level quantitative data analysis methods. It starts with data processing steps, including data entry and treatment of missing data. It continues with descriptive statistics such as measures of central tendency and variation. Students learn primary topics under inferential statistics that include hypothesis testing and sampling distributions. The course also covers relatively simple inferential statistics methods such as t-test, correlation, and regression. For the application of all the statistical procedures mentioned above, students learn how to use a statistical package such as SPSS. Interpretation of statistical results is an integral part of the course.

CEIT 4028 Clinical Psychology (3-0)3

This course aims to teach historical roots of clinical psychology and overview of theoretical models. The roles and activities of a clinical psychologist will be the main focus. Students will be provided information on the following topics: Biopsychosocial perspective; major theoretical models of psychotherapy,

psychological assessment; areas of specialty in clinical psychology.

DEPARTMENT OF GENERAL EDUCATION

ASSISTANT PROFESSORS

KUMRULAR, Özlem: B.A., M.A., Ph.D., Salamanca University.
YAVUZ, Muhsine: B.A., M.A., Ph.D., Ankara University.
YAZICI, Nuri: B.A., M.A., Ph.D., Atatürk University.

INSTRUCTORS

ALARSLAN, Burcu (*Coordinator*): B.A., M.A., Mimar Sinan Fine Art University.
ASLAN, Pelin: B.A., MA, Boğaziçi University.
KÜÇÜK, Deniz Aktan: B.A., MA, Boğaziçi University.
ÖZTÜRK, Veysel: B.A., MA, Boğaziçi University.
SAYACI, Kenan: B.A., MA, Ph.D., Istanbul University.

ADJUNCT PROFESSORS

AKDOĞAN, Taylan: B.S., Boğaziçi University, M.S., University of Pittsburgh, Ph.D., Massachusetts Institute of Technology.
AKGÜL, Hilal: B.A., M.A., Ph.D., Istanbul University.
AKTÜKÜN, İlker: B.A., M.A., Ph.D., Istanbul University.
ALTINYILDIZ, F. Nur: B.Arch., M.Arch., Ph.D., Istanbul Technical University.
BAKTIAYA, Adil: B.A., M.A., Ph.D., Istanbul University.
BİRKİYE, Atilla: B.A., Istanbul University.
CAYMAZ, Birol: B.A., Istanbul University, M.A., Université de Paris, Ph.D., Université de Paris VII Denis Diderot.
CEMAL, Ahmet: B.A., Istanbul University.
CİNGİ, Selçuk Sami: B.S., Middle East Technical University, M.A., Florida Atlantic University, Hacettepe University.
DEMİRCAN, Ahmet Misbah: B.A., M.A., Marmara University.
ERADAM, Yusuf: B.A., M.A., Ph.D., Hacettepe University.
ERGÜLEN, Haydar: B.A., Middle East Technical University.
ERTENÜ, Behice: B.A., M.A., Boğaziçi University, Ph.D., Marmara University.
GÜLBOY, Burak: B.A., Bilkent University, M.A., Ph.D., Istanbul University.
GÜREL, Sümer: B.Arch., Istanbul Technical University, M.Arch., Rotterdam Bouwcentrum, Ph.D., Istanbul Technical University.
HOYİ, Esin: B.S., Virginia Polytechnic Institute and State University.
HUN, Ediz: B.A., Trondheim University.
KOMSUOĞLU, Ayşegül: B.A., M.A., Ph.D., Istanbul University.
KÜR, Pınar: B.A., New York Queens College, M.A., Boğaziçi University, Ph.D., Paris Sorbonne University.
ORTAYLI, İlber: B.A., Ankara University, M.A., Chicago University, Ph.D., Ankara University.
ÖZTÜRK, Necdet: B.A., M.A., Istanbul University, Ph.D., Marmara University.
PAÇACI, Gönül: B.A., Istanbul University, M.A., Ph.D., Istanbul Technical University State Conservatory.
PINAR, Süheyla, B.A., University of Winnipeg, M.S., Middle East Technical University.
SENEMOĞLU, Osman: B.A., M.A., Ph.D., Istanbul University.
SİRMEN, Ali: B.A., Istanbul University, M.A., Université de Paris.
SUNDER, Ova: B.A., Ankara University State Conservatory, M.A., Istanbul University State Conservatory, Ph.D., Istanbul University.
TARBUCK, Derya Gürses: B.S., Middle East Technical University, M.A., Ph.D., Bilkent University.
TURAN, Namık Sinan: B.A., M.A., Ph.D., Istanbul University.
ÜRER, Levent: B.A., Gazi University, M.A., Ph.D., Istanbul University.

GENERAL INFORMATION: GEP is one of the essential components of the mission of the University of Bahçeşehir. This program introduces the students to a wide spectrum of perspectives of the intellectual world. The curriculum is designed to develop and equip students not only with knowledge for career enhancement but also to help to fulfill an incomplete education by enhancing their culture and creating socially aware and responsible individuals in our society.

Students of the University of Bahçeşehir should graduate with an education that

- Provides knowledge about the arts and culture of different societies and times.
- Is well supported with strong historical knowledge.
- Develops an awareness of the international and intercultural world.
- Familiarizes the student with the social institutions and behavior of social groups in Turkey.
- Enriches the comprehension of the meaning and forces of nature.
- Develops the understanding of Turkish culture, language and history.

Such an education will not only equip the graduate with a strong general knowledge but it will also help him/her in understanding how knowledge is acquired.

COURSE DESCRIPTIONS

TLL 2021 Turkish Language and Literature I (2-0)2

The meaning and nature of language; importance of language in society; language-culture relationship; world languages and Turkish; history and the present state of Turkish; Turkish languages; phonetic features of Turkish; structure of Turkish; punctuation and style; introduction to speech and composition. Nutuk (Atatürk), İstiklal Marşı (M. Akif Ersoy), writing and oral expression types, discussions, expression defects, diction, writing principles, periods of Turkish Literature, poems, stories, literary schools.

TLL 2022 Turkish Language and Literature II (2-0)2

Basic principles of speech and composition rules and forms of oral expression addresses, lectures, panels, introduction to Turkish literature analysis of selected texts from contemporary Turkish literature, selected poems and prose texts; reading and oral interpretation of selections from Turkish and world literature exercises in composition and report writing. Nutuk (Atatürk), İstiklal Marşı (M.A. Ersoy), writing and oral expression types, discussions expression defects, diction, writing principles, periods of Turkish Literature.

HIST 3051 History of Turkish Republic I (2-0)2

The Ottomans; emergence, rise, decline and fall of the Ottoman state; intellectual movements during the Ottoman period; “Constitutional Period”; “Reformation Period”; Reformation and Reorganization Decrees; causes of World War 1; World War 1 and its aftermath; Turkish War of Independence Treaty of Lausanne and establishment of Turkey as an independent republic under Kemal Atatürk.

HIST 3052 History of Turkish Republic II (2-0)2

The period from 1923 (Treaty of Lausanne and establishment of Turkish Republic) to 1938 (Atatürk’s death): efforts towards establishing a modern state; legal, social and cultural reforms; economic and foreign policy during the republican period; domestic politics and political parties; nature, principles and aims of Kemal Atatürk’s major policies and reforms.

GEP 1005 History of Civilization I (3-0)3

The aim of the course is to present a brief summary of the major developments in the history of civilization, including in the arts, the natural and social sciences, philosophy, religion and politics. Major cultural

developments of various civilizations in Mesopotamia, Egypt, India, China, Anatolia, Greece, North Africa, the Middle East, Europe and America will be explained in a chronological order. Students are expected both to understand the issues raised in the course and to develop an ability of interpretation and critical thinking.

GEP 1006 History of Civilization II (3-0)3

This course aims to provide substantial general knowledge and understanding of the Western civilization with particular emphasis on economic and social history. This course is a continuation of History of Civilization I and covers the period late medieval era to the 20th century. Throughout the course cross-cultural institutional borrowing will be emphasized and an attempt will be made to explain the relative wealth and poverty of these two great civilizations.

GEP 1111 History in Cinema (3-0)3

The basic aim of the course is to discuss the turning points of human being history from Ancient Greek to today with the historical movies about these turning points.

GEP 1113 History of the Modern Middle East (3-0)3

The purpose of this course is to trace the history of the Middle East from the emergence of Islam to the 20th century. Among the topics to be considered: The development of Islamic Civilization to the fifteenth century, Ottoman Empire as a new imperial synthesis, the beginnings of the era of transformation, Middle East in World War I, authoritarian reforms in Middle East, WW II and Arab struggle for independence, the birth of the State of Israel, and the independent Middle East.

GEP 1114 20th Century Political History (3-0)3

The main approach of this course is to introduce students, a wider view of the political changes and events that had occurred during the 20th century in relevance with the evolution of the international system. Therefore the objective of the course is to submit a higher level of analysis of the modern international system and current political events occurring within the international system.

GEP 1116 Social Structure and Political Culture in the Ottoman Empire (3-0)3

This lecture will analyze the construction of the social structure of the Ottomans, with the perceptions of centre authority of the state and evaluation of the political culture and all historical progress: Emergence of the Ottoman power and the political balance in the Mediterranean, impact of Byzantine feudal system for Balkan peasants, social conflicts, the new setting of the social and economical structure from the Danube River to Euphrates.

GEP 1117 History of Mediterranean World (3-0)3

This course aims to cover the general history of the Mediterranean, focusing basically on the social, economic, religious, linguistic, cultural and literary interactions in the Modern Ages. The Mediterranean as a world of meeting point with its wide range of settled and “floating” population in the 16th and 17th centuries like couriers, agents, spies, double spies, triple spies, informants, merchants, renegades, double renegades, travelers, captains, religious figures belonging to different sects and men in exile will be analyzed through outstanding works that offer a vivid profile of the Mediterranean in literature, cinema, theatre, etc.

GEP 1128 Global Energy Crisis (3-0)3

The human kind is consuming the fossil fuel supplies with a growing rate. It is believed that the energy crisis is going to be one of the biggest troubles of this century and thus the research on alternative energy sources is continuing rapidly. We will get basic information about these sources such as nuclear, solar, wind, geothermal energy, and learn about their uses.

GEP 1202 Biographies of Turkish Poets (3-0)3

Is the life of a poet included in his poetry? The major aim of the lecture is to bring students closer to the world of poetry by taking them on a journey from interesting life stories of important poets to their poetry. Poets whose lives attract us as much as their poetry, their bohemian, accentric, mystical, or vagabond lives, sometimes lived in prison or in exile, spent on a political route, or a spiritual and intellectual adventure, like Yahya Kemal,

Nazım Hikmet, Necip Fazıl, Celal Sılay, Ece Ayhan, Ahmed Arif, Sezai Karakoç, Attila İlhan, Can Yücel, Cemal Süreya, İsmet Özel, Arkadaş Z. Özger, Lale Müldür, küçük İskender.

GEP 1203 Literature and Society (3-0)3

In this course, the effects of social events and philosophical movements on literature, society-literature relationships will be examined with contemporary French literature examples.

GEP 1204 Mythology (3-0)3

Readings in the major mythologies of the world, such as Egyptian, Greek, Scandinavian, Latin, etc. The objective of this course is to help students develop a lively appreciation for the special language of "Myth," which refers to the human tendency to shape our experience of reality through stories and symbols. An understanding of myth will help students to deepen their feelings for literature as well as pursue their own creative directions.

GEP 1205 New Poetry since 1950 (3-0)3

How today's poetry is affected by "İkinci Yeni" poetry which enabled a new horizon in Turkish poetry in 1950s; how poetry produced in 1960s which shall be named as 'transition era', have led to 'rather political' poetry of the 1970s. The outstanding names of 'İkinci Yeni' (Turgut Uyar, Sezai Karakoç, Edip Cansever, Cemal Süreya, Ece Ayhan.) and the leading names of periodicals of 1960s-1970s (İsmet Özel, Atıl Behramoğlu, 'Halkın Dostları'...) will be evaluated as the leading figures shaping this era.

GEP 1206 Creative Literature (3-0)3

Various prose and dramatic writing techniques will be explored (through reading of exemplary texts) and implemented (through students' own writing and rewriting). Students will be able to write in the language and the genre of their choice. At least one complete piece of fiction (written during the term) will be required at the end of the term.

GEP 1207 Modern Turkish Novel (3-0)3

This course will cover history of Turkish novel. Evaluation of Turkish novel after the republic according to social and literary perceptions and representatives.

GEP 1301 Popular Culture and the USA (3-0)3

This course is designed to analyze the basic patterns and pillars of popular culture as they are used and revealed in certain examples of American cinema to present to masses the basic institutions and life style of the United States of America. In method, it is essentially a film-reading course. The meaning of 'popular', a brief history of popular culture, its basic elements, characteristic features, paradigms, replication myth and the creation and influence of myths, themes and patterns. Analyses of examples from American cinema, TV shows and programs, music, art, sculpture, architecture; their language and style and presentations, their artistic and political interpretations related to American life and its basic institutions.

GEP 1307 Turkish Intellectual Life (Portraits) (3-0)3

The subject of this lecture is to introduce the leading names in Turkey who had an important influence on the intellectual and political life throughout the period of Republic: a large span of characters either socialist, Kemalist, Islamic, liberal, or nationalist etc. We will specifically focus on 15 of these names and draw their 'Portraits' around their lives, their thoughts, works, their influence on their periods: Hilmi Ziya Ülken, Sabri Ülgener, Cemil Meriç, Doğan Avcıoğlu, Niyazi Berkes, Şevket Süreyya Aydemir, Kemal Tahir, İdris Küçükömer, Ziya Gökalp, Mehmet Ali Aybar, Behice Boran, Hikmet Kıvılcımlı, Şerif Mardin, Nurettin Topçu, Azra Erhat, Sabahattin Eyüboğlu, Murat Belge.

GEP 1308 Utopia (3-0)3

This course will focus on current debates within utopian studies, including arguments for and against utopianism, alternative conceptions of utopia (such as the 'critical' or 'dialectical' utopia), dystopia and the question of violence, and the relation between utopianism, technology and mass culture.

GEP 1309 Orientalism (3-0)3

Orientalism is the way how the West sees the East. Moreover, Orientalism indicates how the West shapes its ideological prejudices and perspectives through literature, political ideologies and research towards the East. In this course we are going to look at what

Orientalism meant in Turkish intellectual and political history. This is particularly important since we have hot debates on European Union for the past decade. While we are dealing with the topic, in order to show the indications of Orientalism, we will take the subject from intellectual, philosophical, social and political examples. As tools for the course, students will be shown artifacts from architecture, art, literature, music and film.

GEP 1310 Music, Food, Sport, and Nationalism (3-0)3

This course aims to study the different concepts of nationalism by examining three devices of nationalism that convey people the feeling of belonging to a nation or a part of a community. Music, food and Sports particularly soccer are very high peaks of nationalism which people put themselves and their identities in it. Italians are proud of their food. British are known as the kings of soccer. Germans and Austrians believe that they are the masters of classical music. In this course we will examine why people hold onto such things to reveal and express their national identity and how they do it.

GEP 1311 Leadership (3-0)3

In a scientific and technological age, the life is directly related to chemistry. This course gives a general knowledge about current topics of chemistry in human life. The purpose is to give the students a perspective in every case about chemistry & life. The main topics of this lecture are chemistry of the human body, genetics, uses of chemistry in medicine, food chemistry, polymer chemistry, environmental chemistry, nuclear radiation and its effects.

GEP 1321 Istanbul (3-0)3

Covers Istanbul's history from its birth as a Greek city in the 7th century BCE to its transition, first, to Constantinople, a major capital of Christendom, then, to its becoming the seat of the Muslim Ottoman Empire. Examines the city's patronage and imperial prowess by concentrating on works of art, architecture and literature.

GEP1324 City and Culture (3-0)3

This course explores various cities of the world in the context of changing significations pertaining to political, religious or financial supremacy that mark them. The course

narrates the intertwined stories of specific art works, buildings and sites, relating the forces, fantasies, intrigues, memories, impulses and desires that shaped them. It follows the trail of different times and places that tie up with each other through intricate relations. Foremost among the subjects of inquiry is Istanbul which is repeatedly taken up alongside Berlin, Moscow, Paris, Venice, Athens, Dubai, Ein Hud, Ankara and Rome.

GEP 1331 Global Terrorism (3-0)3

This course aims to discuss and analyze the concept of the "Global Terrorism" and its reasons, sources, methods and aims. Another aim of the course is to give the students knowledge in general on crisis areas, possible future conflicts with their sources and reasons.

GEP 1332 Current Political Issues and Leaders (3-0)3

This course focuses on governments and local government policies in a variety of areas and their impact on society and individuals. It will be analyze service systems about health, security, education, culture, urbanization, architecture etc.. by a local government . Also political leaders and their problems, will be talk.

GEP 1333 Economic Foundations of Politics in Turkey (3-0)3

The aim of this course is to analyze the basic developments in Turkey's political life during the beginning of 1920 to the 1980's. However, regarding the context, we will not be limited by only the political arena, but also discuss the political life in line with the economic arena which it has highly been interacted with.

GEP 1334 EU, Principles and Values (3-0)3

The main goals of this course are to introduce the idea of Europe, the main principles and values of the EU and to evaluate Turkey's membership to the EU in terms of these principles and values. Construction of European identity in the context of the EU and symbols of the EU will be analyzed. Cultural and civic understandings of European identity will be compared special emphasis shall be given Copenhagen Criteria, the Charter of Fundamental Rights and the Lisbon Treaty. Old and new Member States of the EU and Turkey will be compared in terms of these

values. Particular attention will be paid to the effects of the EU on our daily lives in terms of human rights, consumer rights, environment, etc. Interactions between Turkey and Europe, mutual cultural perceptions about each other will be analyzed.

GEP 1335 Ethnic Minorities and Nationalism (3-0)3

This course aims to introduce students theories of minority, migration and ethnic debates. Theories of nationalism and main structures that shape the theories of nationalism within the international system will be discussed, concerning ethnic-based regional conflicts. Therefore, the approaches of nationalism will be analyzed through the readings of Renan, Fichte and Anderson. We will also handle the debates between minority rights and nationalism at the age of globalization according to modern political theorists.

GEP 1338 Human Rights (3-0)3

Basic purpose of the course is to help students think about human rights and related issues in historical, comparative and international perspective, with a view to enable them to understand the concept of human rights, its problems and solutions. During the course special emphasis will be given to theories of human rights, the international human rights system, and the regional human rights system of the Council of Europe (European Human Rights Convention).

GEP 1339 Political Life and Institutions in Turkey (3-0)3

The student is invited to join me in a journey that involves traveling and digging in and through the Turkish history, to understand the interaction between politics and society. This course is designed to cover several themes in modern Turkish political history with a special attention on culture and society. We will begin with the reform movements of the late Ottoman period because Turkish modernization is a process that begins much earlier than 1923. The competing (secular vs. religious, Turkish vs. others, Sunni vs. Alewi, European vs. Middle Eastern, liberalism vs. conservatism?) sources of identity and the struggles for modernization will be our main concerns. In investigating the questions related to every aspect of Turkish modernization we will deal with classic

questions of political analysis: Who gets what, when, where, why and how?

GEP 1340 Being and Death (3-0)3

In this course we will analyze the death phenomenon which is grounded on the concept of being. Our main focus will be on Martin Heidegger's fundamental ontology as referred to in his book "Being and Time". Our method of investigation will be phenomenological and therefore philosophical.

GEP 1341 Islamic Philosophy (3-0)3

In this course the definition, the concepts, basic disciplines and the major problems of Islamic philosophy will be analyzed. Mevlana, Yunus Emre, Hacı Bektaşî Veli will be analyzed. Eastern philosophers will be compared with western philosophers.

GEP 1343 Philosophy and Literature (3-0)3

The aim of the course is to study the relationship between philosophy and literature via an analysis of particular philosophical issues and problems raised in particular works of literature, written in the form of essay, aphorism, parable/poetry and novel. In this framework, excerpts from selected works of Friedrich Nietzsche, Fyodor Dostoevsky, Franz Kafka, Jean-Paul Sartre, Albert Camus and Nikos Kazantzakis will be analyzed in relation to philosophical issues such as action and choice, freedom, free will and determinism, alienation, the meaning of life, life and death, human existence, reason and passion, personal identity, God and religion, art and philosophy. Students are expected both to understand the issues raised in the texts and to develop an ability of critical thinking and philosophical creativity.

GEP 1344 History of Socialist Thought (3-0)3

Socialism is among the few currents of thought that sparked 20th Century's dominant political movements. This course reviews the various phases through which socialist thinking has evolved since the olden times of Ancient Greece. The modern socialist thought is rich enough to nurture various sub-schools, and feed a variety of political structures. We will critically evaluate in historical perspective the evolution of socialist modes of thinking as regards the perennial questions of freedom,

justice, and the state political theory still tries to answer.

GEP 1345 Critical Thinking from Classical Philosophy to Modernity (3-0)3

Critical Thinking is an introductory course in the principles of good reasoning. The course includes the following areas of study: Truth and validity, definitions, logical analysis and evaluation of arguments, scientific truth and modern superstition, culture and thinking, from tragic thinking (Classical Age philosophers -Socrates, Plato, Aristotle, etc.) to humanistic thinking (Renaissance Age) and modern tragic characters, origins of modernism, critical thinking and intellectuals, aesthetic and art.

GEP 1346 Philosophy, God and Religion (3-0)

The aim of the course is to analyze and evaluate the theories and ideas of philosophers on God and the monotheistic religions. Is there a God or not? Is it possible to prove the existence or non-existence of God? What is the source of a belief in God? What is the role of reason, experience and faith in religion? What is the problem of evil? What are the moral and political implications of the claims of monotheistic religions? The philosophers to be studied are: Augustinus, Aquinas, Anselmus, Avicenna, Descartes, Locke, Spinoza, Leibniz, Berkeley, Hume, Kant, Marx, Nietzsche and Sartre.

GEP 1349 20th Century Thought History (3-0)3

This course will summarize and analyze the development of thought in the 20th century. We will focus of outstanding persons of the history of thought such as Heidegger, Wittgenstein, Freud, Levinas, Foucault, and Derrida. Systemic representation will also be carried out. This involves political, economical, and social systems of thought in the 20th century.

GEP 1361 Socialization and Development (3-0)3

Within the scope of different perspectives, this course investigates the process of socialization through the life cycle, from prenatal stages to death. Emphasis is placed on the content, stages and agencies of socialization in a variety of social contexts. The study of human

development from conception to death provides students, insight and information as to how they became the person they are today, as well as an understanding of how and why others can be different. The course encourages students to set new sights for future adjustments within both personal and social contexts. Rather than generalize from any one group of people, the course aims to explain how developmental phenomena apply and relate to a wide range of peoples.

GEP 1362 Applied Ethics (3-0)3

The aim of the course is to analyze and evaluate concrete issues and dilemmas in life such as abortion, rape, suicide, euthanasia, animal rights, violence, war, terrorism, environmental pollution, genetic engineering, capitalism, sex and marriage from the perspective of moral philosophy. Such case studies will be evaluated in relation to various theories in Ethics such as eudaimonism, hedonism, utilitarianism, altruism and egoism, as well as universalism, relativism, objectivism, subjectivism, rationalism and emotivism.

GEP 1363 Interpersonal Communication (3-0)3

This course focuses on the theoretical background and practice of interpersonal skills for communicating, establishing and maintaining goals in one-to-one relationships and group situations as well as effective problem solving techniques. The main objective is the development of self-understanding and understanding of others through the acquisition of effective communication techniques presented within the framework of emotional intelligence and transactional analysis.

GEP 1364 Creative Problem Solving (3-0)3

This course aims to develop your problem solving skills. Everyday you are confronted by challenging situations. This course targets to guide you to use both your creative and critical thinking skills, on your own or in a group, to understand challenges and opportunities, to generate ideas and developing effective plans for solving problems and managing change. This course will both cover theory and practice. Apart from theory, cases will also be brought to class for discussion in order to

encourage the students to gain some practice in divergent and convergent thinking and develop their self-awareness. Reading assignments, teamwork and participation to group discussions will be required.

GEP 2001 Introduction to Art (3-0)3

The course introduces the students to the worlds of art by providing an understanding to the cultural impressions in diverse chronological and geographical settings with an interdisciplinary scope. Emphasis will be placed on western and non-western art (the social, religious and political context). Ancient, Medieval, Renaissance and Modern period form the general framework of the course. Particular attention will be given to the representations in Africa, China, Japan and South East of Asia. The course will also include illustrated lectures, discussion periods, exhibitions and field trips.

GEP 2003 Art and Resistance (3-0)3

Since the Renaissance when it became independent of church and palace, modern art has come to consistently defy authority and power, including that of its own institutions like the academy and the museum. The course explores art works that question their own media and boundaries as well as raising issues against mainstream interpretations of social realities.

GEP 2005 Aesthetic and General Art Concepts (3-0)3

This course will cover the relation between art and thought. Some outlines are: Place of concepts in thought action. Concepts and terms. General concepts of art as an artistically practice (creating action) point of function. Esthetic and art. Art from the point of philosophy (as field) esthetic. The concept of esthetic as a value criterion –aesthetics and ‘beautiful’ concept; ‘beautiful’ in art and nature.

GEP 2021 Turkish Art and Artists (3-0)3

The purpose of this course is to address the understanding of creativity and spirituality embedded in Turkish art. The students will be exposed to the various types of traditional arts including architectural monuments and outstanding examples of decorative arts in all the various media-pottery, metal work, textile,

carpet weaving, glass and jewelry in Ottoman and Islamic art.

GEP 2022 Fine Arts in Turkey (3-0)3

The purpose of this course is to address the understanding of the general features of various movements in Turkish Art. Architecture, painting, sculpture, textile, carpet weaving, glass and ceramics in Turkey from the eighteenth century to the present. Its evaluation in comparison with European and other art movements.

GEP 2032 Discovering Istanbul (3-0)3

This course will explore historical city of Istanbul the context of society of Istanbul across its cosmopolitan, sophisticated culture with city trips. The target of this course is to deepen student understanding of cosmopolitan cultures in Istanbul, and to focus on the nature of Istanbul as a world city an “urban studies” aspect of world history. A comparative analysis of historical and contemporary Istanbul will be brought to the foreground with lectures and field trips.

GEP 2052 Turkish Theater (3-0)3

This course is based on “Turkish Theatre”. The purpose of Turkish Theatre is to increase students' knowledge about Turkish theatre from Traditional Turkish theatre to Modern Turkish Theatre. Work of theory will be based on Meddah, Karagöz, Ortaoyunu, puppet theatre, Republic period Theatre, Cabarets, Turkish musicals, classics and modern Turkish theatre.

GEP 2101 Special Topics in American Cinema (3-0)3

The hero's journey. The Call, Departure, Initiation, Return. Mythic elements and other various facets of the pattern (suffering or the purgative way, wounds received, tragic grandeur, apotheosis, arriving/restoration of home etc.); monomyth; necessity of story-telling, a remaking of American history, national and collective memory. The concept of the Frontier and of the West in American culture. Human rights & civil disobedience. Immigration, racism, ethnicity & multicultural unity. War and violence. The rules and clichés of Hollywood. Discourse analysis of American (Hollywood) movies in class. References to tales, mythology and popular myths,

archetypal stories in sacred books and American culture and literature.

GEP 2205 History of Popular Music (3-0)3

In this course, western music will be analyzed as part of popular history, from 1950's to the present. All relevant music styles and their sub-genres are presented within a historical and cultural perspective. (Jazz, rock n roll, rock etc) There will be half hour sessions of DVD or CD presentation and discussion within each period for illustration purposes.

GEP 2206 Trends in Classical Music (3-0)3

In this course, periods and types of classical music and variation depending on national characteristics are analyzed. Romantic, Classic and Modern trends and musical terminology are presented within a historical and cultural perspective.

GEP 2207 Classical Turkish Music (3-0)3

A course which aims at analyzing the concepts and audile characteristic of Turkish Classical Music.

GEP 2209 Introduction to Classical Music (3-0)3

At the end of this course the students will have developed a bird's eye view on the evolution of periods and types of classical music and variation depending on national characteristics, have gained a familiarity with a musical genre which is the backbone of western civilization, thus adding a new dimension to their personal development, have learned the musical terminology and have become fluent in using it, have found answers to specific questions relating to their special interest areas in music, have developed and understanding the history of interactions between classical music and the various sub cultural elements like art, religion in the West.

GEP 3702 Ottoman Turkish (3-0)3

The Ottoman Turkish Alphabetical and textual characteristics. From alphabet to reading. The orthography of Ottoman Turkish. The written and read forms of the Turkish words. The grammar of Ottoman Turkish. Selected readings in Ottoman Turkish. Arabic and Persian elements in Ottoman Turkish. Reading of literary texts and grammar points through these texts.

GEP 4001 Environmental Culture (3-0)3

This course provides an introduction to the field of general environmental culture by examining both environmental science and environmental different topics.

GEP 4005 Contemporary Environmental Issues (3-0)3

Environmental and ecological principles. Tools for building a better world. Ecological economics. Matter, energy, and life. Biological communities and species; Biodiversity. Human populations. Environmental health and toxicology. Food, hunger and nutrition. Land use: agriculture, forests and rangelands. Preserving nature. Air pollution. Water pollution. Energy and environment. Solid, toxic and hazardous waste. Urbanization and sustainable cities. What then shall we do?

GEP 4007 Ecology (3-0)3

The course introduces the basics of ecology, scope, reasons, means and design principles. General ecology and its principles, worldwide ecology problems, nutrition chain, The story of DDT, biological accumulation.

GEP 4102 Chemistry of Life (3-0)3

In a scientific and technological age, the life is directly related to chemistry. This course gives a general knowledge about current topics of chemistry in human life. The purpose is to give the students a perspective in every case about chemistry & life. The main topics of this lecture are chemistry of the human body, genetics, use of chemistry in medicine, food chemistry, polymer chemistry, environmental chemistry, nuclear radiation and its effects.

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

PROFESSORS

AVCI, Yusuf: B.S., Istanbul University, M.S., Ph.D., Stanford University.
KURUOĞLU, Nuri (*Chairperson*): B.S., Ege University, M.S., Ph.D., Firat University.
ÖZDAMAR, Ertuğrul: B.S., M.S., Ph.D., Ankara University.

ASSOCIATE PROFESSORS

DİMİTRİYADİS, İrini: B.S., M.S., Ph.D., Boğaziçi University.

ASSISTANT PROFESSORS

ÖZUĞURLU, Ersin: B.S., Istanbul Technical University, M.S., Carnegie Mellon University, Ph.D.,
University of Wisconsin-Madison

INSTRUCTORS

AKAT, Muzaffer: B.S., Boğaziçi University M.S., Ph.D., Stanford University.
ALTAY, Nejla: B.S., Boğaziçi University M.S., Fatih University.
SIRMA, Ali: B.S., Boğaziçi University M.S., Ph.D., Gebze Institute of Technology.
SOLAK, Ebru: B.S., Middle East Technical University M.S., Universität Göttingen, Ph.D., Universität
Würzburg.

TEACHING ASSISTANTS

ÖZLEM, Semih: B.S., Boğaziçi University, Boğaziçi University
ÜZGÜN, Tamer: B.S., M.S., Yıldız Technical University.

ADJUNCT PROFESSORS

AĞARGÜN, A. Göksel: B.S., M.S., Ondokuz Mayıs University, Ph.D., University of Wales.
AHLATÇIOĞLU, Mehmet: B.S., M.S., Istanbul University, Ph.D., Yıldız Technical University.

GENERAL INFORMATION: The Department of Mathematics & Computer Science has two running programs namely the Mathematics & Computer Science Program and the Mathematics program. The Mathematics & Computer Science Program aims at realizing a synthesis of basic mathematics and practical computing skills. The goal of this program is to make graduates work on interdisciplinary areas such as finance, actuarial science and software engineering. The mathematics program is designed for those who want to make an academic career on more theoretical mathematics. Students in the department are given a chance of carrying on a double major or a minor in computer engineering, software engineering or in other programs if the necessary requirements are satisfied.

A graduate program in applied mathematics has also been established and is an alternative to the student graduating from our department for gaining further expertise on theoretical mathematics, finance and in scientific computing. Another alternative is for our students to go to a Masters program in Educational Sciences so as to be able to become teachers in secondary education institutions.

The main research areas of our faculty are classified as Actuarial Science, Complex Analysis, Decision Science, Differential Geometry, Financial Mathematics, Functional Analysis, Numerical Analysis, Probability and Statistics.

CURRICULUM

MATHEMATICS PROGRAM

FIRST YEAR

First Semester

MATH	1051	Calculus I	(3-2)4
MATH	1055	Abstract Mathematics I	(3-0)3
PHYS	1001	Physics I	(3-2)4
SE	1001	Introduction to Programming (Java)	(2-2)3
ENG	1003	Communication Skills and Academic Reporting I	(2-2)3
GEP	1005	History of Civilization I	(3-0)3

Second Semester

MATH	1052	Calculus II	(3-2)4
MATH	1056	Abstract Mathematics II	(2-2)3
PHYS	1002	Physics II	(3-2)4
SE	1002	Object Oriented Programming (Java)	(3-0)3
ENG	1004	Communication Skills and Academic Reporting II	(2-2)3
GEP	1006	History of Civilization II	(3-0)3

SECOND YEAR

Third Semester

MATH	2003	Calculus III	(3-2)4
MATH	2005	Probability	(3-0)3
MATH	2013	Linear Algebra I	(3-2)4
MATH	2033	Discrete Mathematics	(3-0)3
SE	2211	Data Structures and Algorithms I	(3-0)3
TLL	2021	Turkish Language and Literature I	(2.0)2

Fourth Semester

MATH	2006	Calculus IV	(3-2)4
MATH	2008	General Topology	(3-0)3
MATH	2014	Linear Algebra II	(3-2)4
MATH	2062	Differential Equations	(3-0)3
SE	2212	Data Structures and Algorithms II	(2-2)3
TLL	2021	Turkish Language and Literature II	(2-0)2

THIRD YEAR

Fifth Semester

MATH	3061	Algebra I	(3-0)3
MATH	3071	Differential Geometry I	(3-0)3
MATH	4013	Real Analysis I	(3-0)3
HIST	3051	History of Turkish Republic I	(2-0)2
		Departmental Elective	(3-0)3
		GE Elective	(3-0)3

Sixth Semester

MATH	3022	Complex Analysis	(3-0)3
MATH	3062	Algebra II	(3-0)3
MATH	3072	Differential Geometry II	(3-0)3
MATH	4016	Real Analysis II	(3-0)3
HIST	3052	History of Turkish Republic II	(2-0)2
		GE Elective	(3-0)3

FOURTH YEAR

Seventh Semester

MATH 4001	Graduation Project I	(0-4)2
MATH 4031	Functional Analysis I	(3-0)3
MATH 4053	Partial Differential Equations I	(3-0)3
	Departmental Elective	(3-0)3
	Technical Elective	(3-0)3

Eighth Semester

MATH 3012	Numerical Analysis	(2-2)3
MATH 4002	Graduation Project II	(0-4)2
MATH 4014	Number Theory	(3-0)3
	Departmental Elective	(3-0)3
	Technical Elective	(3-0)3

LIST OF ELECTIVE COURSES

MATH 2014	Linear Algebra II	(3-2)4
MATH 3075	Statistics	(3-0)3
MATH 4021	Advanced Complex Analysis	(3-0)3
MATH 4032	Functional Analysis II	(3-0)3
MATH 4054	Partial Differential Equations II	(3-0)3
MATH 4070	Mathematical Finance	(3-0)3
MATH 4071	Coding Theory	(3-0)3
MATH 4082	Numerical Solution of Partial Differential Equations	(3-0)3
MATH 4085	Commutative Algebra	(3-0)3
MATH 4086	Galois Theory	(3-0)3
MATH 4087	Graph Theory	(3-0)3
MATH 4088	Game Theory	(3-0)3
MATH 4090	Fuzzy Mathematics	(3-0)3
MATH 4091	Kinematics	(3-0)3

LIST OF TECHNICAL ELECTIVE COURSES

CMPE 2007	Digital System Design	(2-2)3
CMPE 2002	Systems Programming	(2-2)3
CMPE 3002	Data Communication Standards	(3-0)3
CMPE 3005	Analysis of Algorithms	(3-0)3
CMPE 4001	Computer Communication Networks	(3-0)3
CMPE 4003	Formal Languages and Automata Theory	(3-0)3
CMPE 4321	Introduction to Network Security and Cryptography	(3-0)3
CMPE 4409	Real Time Operating Systems	(3-0)3
CMPE 4414	Information Security Management	(3-0)3
CMPE 4502	Distributed Databases	(3-0)3
SE 2002	Programming Languages	(3-0)3
SE 2102	Databases Programming	(2-2)3
SE 3002	Software Measurement and Testing	(3-0)3
SE 3004	Web Programming	(3-0)3
SE 3006	Software Architecture	(3-0)3
SE 3301	Computer Graphics and Animation	(2-2)3
SE 3302	Human Computer Interface Design	(3-0)3
SE 4406	Advances in Web Programming	(3-0)3
SE 4422	Scripting Languages	(3-0)3
SE 4503	Introduction to IT Services Management	(3-0)3

SE 4515 Introduction to Game Programming (3-0)3
CURRICULUM

MATHEMATICS AND COMPUTER SCIENCE PROGRAM

FIRST YEAR

First Semester

MATH 1051 Calculus I (3-2)4
 PHYS 1001 Physics I (3-2)4
 CHEM 1001 General Chemistry I (3-2)4
 SE 1001 Introduction to Programming
 (Java) (2-2)3
 ENG 1003 Communication Skills and
 Academic Reporting I (2-2)3
 GEP 1005 History of Civilization I (3-0)3

Second Semester

MATH 1052 Calculus II (3-2)4
 PHYS 1002 Physics II (3-2)4
 CMPE 1004 Introduction to Digital Logics
 and Microprocessors (2-2)3
 SE 1002 Object Oriented Programming
 (Java) (2-2)3
 ENG 1004 Communication Skills and
 Academic Reporting II (2-2)3
 GEP 1006 History of Civilization II (3-0)3

SECOND YEAR

Third Semester

MATH 2003 Calculus III (3-2)4
 MATH 2013 Linear Algebra I (3-2)4
 MATH 2033 Discrete Mathematics (3-0)3
 SE 2211 Data Structures and Algorithms I
 (3-0)3
 TLL 2021 Turkish Language and
 Literature I (2-0)2
 GE Elective (3-0)3

Fourth Semester

MATH 2004 Analytic Geometry (2-2)3
 MATH 2006 Calculus IV (3-2)4
 MATH 2062 Differential Equations (3-0)3
 CMPE 2008 Computer Organization (3-0)3
 SE 2212 Data Structures and Algorithms II
 (2-2)3
 TLL 2022 Turkish Language and
 Literature II (2-0)2

THIRD YEAR

Fifth Semester

MATH 3061 Algebra I (3-0)0
 CMPE 3001 Operating Systems (3-0)3
 SE 2101 Database Management Systems
 (3-2)4
 SE 3003 Software Project Management
 (3-0)3
 HIST 3051 History of Turkish Republic I
 (2-0)2
 GE Elective (3-0)3

Sixth Semester

MATH 3012 Numerical Analysis (2-2)3
 MATH 3022 Complex Analysis (3-0)3
 MATH 3082 Probability and Statistics (3-0)3
 SE 3001 Software Engineering Analysis
 and Design (3-0)3
 HIST 3052 History of Turkish Republic II
 (2-0)2
 Departmental Elective (3-0)3

FOURTH YEAR

Seventh Semester

MATH 4013 Real Analysis I (3-0)0
 Departmental Elective (3-0)3
 Technical Elective (3-0)3

Eighth Semester

MATH 4014 Number Theory (3-0)3
 Departmental Elective (3-0)3
 Departmental Elective (3-0)3
 Technical Elective (3-0)3

LIST OF ELECTIVE COURSES

MATH 2014	Linear Algebra II	(3-2)4
MATH 3062	Algebra II	(3-0)3
MATH 3071	Differential Geometry I	(3-0)3
MATH 3072	Differential Geometry II	(3-0)3
MATH 4001	Graduation Project I	(0-4)2
MATH 4002	Graduation Project II	(0-4)2
MATH 4004	Selected Topics in Mathematics II	(3-0)3
MATH 4016	Real Analysis II	(3-0)3
MATH 4021	Advanced Complex Analysis	(3-0)3
MATH 4031	Functional Analysis I	(3-0)3
MATH 4032	Functional Analysis II	(3-0)3
MATH 4052	Topology	(3-0)3
MATH 4053	Partial Differential Equations I	(3-0)3
MATH 4054	Partial Differential Equations II	(3-0)3
MATH 4063	Geometry	(3-0)3
MATH 4071	Coding Theory	(3-0)3
MATH 4072	Cryptography	(3-0)3
MATH 4081	Introduction to Fluid Dynamics	(3-0)3
MATH 4082	Numerical Solution of Partial Differential Equations	(3-0)3
MATH 4085	Commutative Algebra	(3-0)3
MATH 4086	Galois Theory	(3-0)3
MATH 4087	Graph Theory	(3-0)3
MATH 4088	Game Theory	(3-0)3
MATH 4089	Mathematics for Finance and Management	(3-0)3
MATH 4090	Fuzzy Mathematics	(3-0)3
MATH 4091	Kinematics	(3-0)3
MATH 4092	Dual Number Theory and Quaternions	(3-0)3
MATH 4093	Measure and Integration Theory	(3-0)3
MATH 4094	Selected Topics in Analysis	(3-0)3

LIST OF TECHNICAL ELECTIVE COURSES

CEIT 2005	Quality in Education	(3-0)3
CEIT 2014	Fundamentals of Computer Based Instruction	(3-0)3
CMPE 2007	Digital System Design	(2-2)3
CMPE 2002	Systems Programming	(2-2)3
CMPE 3002	Data Communication Standards	(3-0)3
CMPE 3005	Analysis of Algorithms	(3-0)3
CMPE 4001	Computer Communication Networks	(3-0)3

CMPE 4003	Formal Languages and Automata Theory	(3-0)3
CMPE 4321	Introduction to Network Security and Cryptography	(3-0)3
CMPE 4409	Real Time Operating Systems	(3-0)3
CMPE 4414	Information Security Management	(3-0)3
CMPE 4502	Distributed Databases	(3-0)3
SE 2002	Programming Languages	(3-0)3
SE 2102	Databases Programming	(2-2)3
SE 3002	Software Measurement and Testing	(3-0)3
SE 3004	Web Programming	(3-0)3
SE 3006	Software Architecture	(3-0)3
SE 3301	Computer Graphics and Animation	(2-2)3
SE 3302	Human Computer Interface Design	(3-0)3
SE 4406	Advances in Web Programming	(3-0)3
SE 4422	Scripting Languages	(3-0)3
SE 4503	Introduction to IT Services Management	(3-0)3
SE 4515	Introduction to Game Programming	(3-0)3

COURSE DESCRIPTIONS

MATH 1005 Mathematics for Social Sciences (2-2)3

Real numbers, algebraic operations and basic identities. Cartesian coordinate system, linear and quadratic equations. Linear functions, exponential and logarithmic functions, graphs of functions. Limit and continuity. Derivatives, matrices and determinants.

Application and techniques of integration: integration by substitution, integration by parts and integration by partial fractions. Application of integration: arc length, area of a surface of revolution. Parametric equations and polar coordinates. Series: test for series, power series and manipulating power series.

MATH 1042 Linear Algebra with MATLAB (2-2)3

Matrices and operations with matrices, determinants, vectors in 2- and 3-dimensional space, Euclidian vector spaces, general vector spaces, inner product space, eigenvalues and eigenvectors, linear transformations. The computer software MATLAB will be used throughout the course.

MATH 1053 General Mathematics I (2-2)3
Numbers, absolute value, algebraic operations and basic identities, linear and quadratic equations, inequalities, functions, operations on functions, exponential and logarithmic functions, trigonometric functions, limit and continuity, derivative and its applications, indefinite integrals.

MATH 1051 Calculus I (3-2)4

Functions limits and continuity, derivatives of functions of one variable. Application of the derivative: related rates, maximum and minimum values, the mean value theorem. The integral: indefinite integrals and integration rules. Inverse functions, exponential and logarithmic functions, inverse trigonometric functions, hyperbolic functions, L'Hospital's rule.

MATH 1054 General Mathematics II (3-0)3
Sets, groups, rings and fields. Vector spaces, vector space R^n , linear mappings, matrices, linear maps and matrices, determinants, scalar product and orthogonality, triangulation of matrices and linear maps. Introduction to statistics, presentation and interpretation of data, probability theory, theoretical distribution, problem of estimation and test of hypotheses.

MATH 1052 Calculus II (3-2)4

MATH 1055 Abstract Mathematics I (3-0)3
The language of mathematics, theorems, theory of logics, quantifiers, statements and proofs, mathematical induction, sets and set

operations, Cartesian products and relations, equivalence relations and partitions, functions, correspondences, composition of functions, image and pre-image functions, counting, finite and infinite sets, denumerable and countable sets, uncountable sets, cardinal numbers, ordering, partially ordered sets, least upper bound and greatest lower bound, axiom of choice and ordinal numbers.

MATH 1056 Abstract Mathematics II (3-0)3

Binary operations, system of whole and natural numbers, system Z of integers, system Q of rational numbers, other aspects of order, real number system, complex numbers, introduction to group theory, rings and fields.

MATH 1161 Mathematics for Social Sciences I (2-2)3

Basic mathematical tools required for modern economic theory, vector and matrix algebra, systems of linear equations, introduction to single variable calculus, and maximization problems in the context of economics.

MATH 2003 Calculus III (3-2)4

Vector functions: continuity, derivatives, and integrals. Parametric curves and surfaces, polar coordinates. Functions of several variables: continuity and partial derivatives, gradient, directional derivatives. The chain rule. Double and triple integrals. Iterated integrals. Integration using polar, cylindrical, and spherical coordinates. Change of variables. Line and surface integrals (including surface area). Curl and divergence. The integral theorems of Green, Stokes and Gauss.

MATH 2004 Analytic Geometry (2-2)3

Euclidean Geometry to include congruence, similarity, measurement, coordinate geometry, symmetry and isometries in both two and three dimensions. Lines, planes, conics and quadrics, curves and surfaces in the three dimensional Euclidean space.

MATH 2005 Probability (3-0)3

Introduction to probability, operations on sets, counting problems, definition of probability, conditional probability, Bayes' theorem, one- and two-dimensional random variables, mathematical expectation and variance, basic discrete and continuous probability distributions, moment generating functions, law of large numbers, central limit theorem.

MATH 2006 Calculus IV (3-2)4

Curvilinear coordinates, improper integrals, integrals depending on parameters, Leibnitz rule, Gamma and Beta functions, work and line integrals, Green's theorem, surface area, surface integrals, flux through a surface, Stokes' theorem, divergence theorem, elliptic integrals.

MATH 2013 Linear Algebra I (3-2)4

Systems of linear equations and matrices, Gauss elimination, matrices, matrix operations, inverses, elementary matrices, diagonal and triangular matrices, symmetric, skew-symmetric matrices, determinants of square matrices, vectors in 2- and 3-dimensional space, norm, dot product, cross product, lines, planes, Euclidean vector spaces, linear mappings between Euclidean spaces, properties of linear mappings, general vector spaces, subspaces, linear independency, base and dimension, row, column and null spaces, rank and nullity, inner product, angle, orthogonality, Gramm-Schmidt process, change of basis, orthogonal matrices, eigenvalues, eigenvectors, linear transformations, Kernel, range, isomorphism, inverse linear transformations.

MATH 2014 Linear Algebra II (3-2)4

Change of basis and linear mappings, multi-linear functions, determinants, determinant functions, determinant of a linear transformation, dual determinant functions, characteristic polynomial, trace of a linear mapping, oriented vector spaces. Inner product spaces, duality in an inner product space, normed vector spaces, linear mappings of inner product spaces, adjoint mapping, self-adjoint, orthogonal projections, skew mappings, isometric mappings, rotations of the plane and of 3-space, symmetric bilinear functions, bilinear and quadratic functions, decomposition of E , pairs of symmetric bilinear functions, pseudo-Euclidean spaces, linear mappings of pseudo-Euclidean spaces, quadrics, affine spaces, quadrics in the affine space, affine equivalence of quadrics, quadrics in the Euclidean space, unitary spaces, Hermitian functions, unitary spaces, linear mappings of unitary spaces.

MATH 2033 Discrete Mathematics (3-0)3

Introduction to mathematical techniques fundamental to Computer Engineering and Computer Science. Topics: mathematical logic, induction, set theory, relations, functions, recursion, recurrence relations, introduction to asymptotic analysis, algebraic structures, graphs, machine computation.

MATH 2042 Applied Mathematics (3-0)3

Vectors, vector functions, functions of several variables, partial differentiation, optimization, multiple integration, transformation of coordinates, line and surface integrals, Green's and Stoke's theorems.

MATH 2043 Linear Algebra and Differential Equations (3-2)4

Introduction to traditional course in ordinary differential equations includes 1st and 2nd order linear differential equations with numerous applications: Laplace transforms, power series solutions, numerical methods, linear systems. Basic properties of matrices and determinants: vector spaces, linear transformations eigenvalues, eigenvectors and Jordan normal form. Introduction to writing proofs.

MATH 2062 Differential Equations (3-0)3

Introduction to traditional course in ordinary differential equations includes 1st and 2nd order linear differential equation with numerous applications: Laplace transforms, power series solutions, numerical methods, Linear systems.

MATH 3012 Numerical Analysis (2-2)3

Machine arithmetic, approximation and interpolation, numerical differentiation and integration, nonlinear equations, linear systems, differential equations, error analysis. Selected algorithms will be programmed for solution on computers. Matlab and other useful numerical analysis tools will be used.

MATH 3022 Complex Analysis (3-0)3

Complex numbers and functions: contour integration, power series, Cauchy-Riemann equations, residues, poles, conformal mapping and applications.

MATH 3052 Engineering Mathematics (3-0)3

Solution of the standard partial differential equations (wave, heat, Laplace's equation) by separation of variables and transform methods; including eigenfunction expansions, Fourier and Laplace transform. Boundary value problems, Sturm-Liouville theory, orthogonality, Fourier, Bessel, and Legendre series, spherical harmonics.

MATH 3061 Algebra I (3-0)3

Groups, basics, subgroups, cyclic subgroups, normal subgroups, homomorphism, permutation groups, direct product, Sylow theorems.

MATH 3062 Algebra II (3-0)3

Rings: basic properties, subrings, integral domain, field; ideals: principal ideals, quotient rings, ring Homomorphism, fields of fractions, arithmetic in rings, associativity, GCD, prime elements, UFD, Euclidean domain, ring of polynomials, fields on the ring of polynomial, division algorithm on the ring of polynomials, prime ideals, maximal ideals.

MATH 3071 Differential Geometry I (3-0)3

Topological background, differentiable manifolds, topology of a manifold, properties of the induced topology, partitions of unity, differentiation on a manifold, tangent vectors, inverse function theorem, Leibniz's formula, submanifolds, immersions, quotient manifolds, vector fields, tangent bundle, orientable manifolds, f-related vector fields.

MATH 3072 Differential Geometry II (3-0)3

Curves, parametrizations, arc length, curvatures, Frenet equations, global properties of curves in the plane. Some special curves: spherical curves, Inclined curves, evolute and involutes, Riemann manifolds, Intrinsic geometry of surfaces, frames and frame fields, covariant derivatives and connections, Riemannian metric, Gaussian curvature, fundamental forms, Meusnier's theorem and the equations of Gauss and Codazzi-Mainardi, examples of hypersurfaces, surfaces of constant curvature, integration of forms (Stokes, Green and Gauss theorems), isometries and local isometries and congruent surfaces, Gauss-Bonnet formula.

MATH 3075 Statistics (3-0)3

Methods of data analysis and data presentation, sampling distributions, point estimation and

properties of estimators, Cramer Rao inequality, parameter estimation, maximum likelihood and moment matching, interval estimation, hypothesis testing, the Newman-Pearson lemma, likelihood ratio tests, goodness of fit tests, linear regression, analysis of variance, nonparametric tests.

MATH 3082 Probability and Statistics (3-0)3

Introduction to probability, operations on sets, counting problems, definition of probability, conditional probability, Bayes' theorem, one and two dimensional random variables, mathematical expectation and variance, basic discrete and continuous probability distributions, moment generating functions, law of large numbers, limit theorem.

MATH 3083 Probability and Random Variables (3-0)3

Introduction to probability, operations on sets, counting problems, definition of probability, conditional probability, Bayes' theorem, one and two dimensional random variables, mathematical expectation and variance, basic discrete and continuous probability distributions, moment generating functions, law of large numbers, limit theorem.

MATH 4001 Graduation Project I (0-4)2

Student will be required to complete an independent project. Topics are chosen in consultation with a faculty advisor and subject to departmental consent. A proposal for the graduation project in the form of a short report and a presentation will be required for the completion of this course.

MATH 4002 Graduation Project II (0-4)2

Continuation of MATH 4001. A short report and presentation will be required for the completion of this course.

MATH 4004 Selected Topics in Mathematics (3-0)3

Organized study of selected topics in mathematics. Subjects may vary from term to term. Specific content defined depending upon available faculty resources and student needs.

MATH 4013 Real Analysis I (3-0)3

Ordered sets, fields, real and complex fields, Euclidean spaces, finite, countable and uncountable sets, metric spaces, compact sets,

perfect sets and connected sets. Convergence and divergence, some basic theorems, limits and continuity of functions, continuity and compactness, continuity and connectedness.

MATH 4014 Number Theory (3-0)3

Divisibility, prime numbers, fundamental theorem of arithmetic, greatest common divisors, division algorithm, some arithmetical functions, congruence systems, polynomial congruences, quadratic residues, continued fractions.

MATH 4016 Real Analysis II (3-0)3

Set theory and real number system, Lebesgue measure, Lebesgue integral, convergence theorems, differentiation and integration, classical Banach spaces.

MATH 4021 Advanced Complex Analysis (3-0)3

Rigorous introduction to the theory of function of a complex variable: analytic continuation, Riemann surfaces, entire and meromorphic functions and selected topics.

MATH 4031 Functional Analysis I (3-0)3

Normed spaces, definition and examples of normed and Banach spaces. Hilbert spaces, linear mappings, bounded linear mappings and functionals, normed spaces of bounded linear mappings, the dual of a normed space.

MATH 4032 Functional Analysis II (3-0)3

Linear mappings, the Hahn-Banach theorem, examples of dual spaces, category theorems, the Banach-Steinhaus theorem, finite-dimensional spaces, special properties of finite dimensional spaces.

MATH 4052 Topology (3-0)3

Topological spaces, compactness and connectedness, continuous functions, Tychonoff's theorem, separation axioms, Urysohn and Tietze theorems, homotopy, fundamental group, covering spaces.

MATH 4053 Partial Differential Equations I (3-0)3

First and second order partial differential equations, the Cauchy problem, method of separation of variables, eigenvalue problem, boundary value problem, Green's functions and maximum principle.

MATH 4054 Partial Differential

Equations II (3-0)3

The Cauchy-Kovalevski theorem, the Lewy example, the heat operator, the wave operator, Sobolev space, local regularity of elliptic boundary value problems.

MATH 4063 Geometry (3-0)3

Fundamental principles of analytic geometry, affine spaces and affine coordinate systems, Euclidean space and Euclidean coordinate systems in plane and space, lines in the plane, review of trigonometry and polar coordinates, cylindrical and spherical coordinates, lines and planes in 3-space, basics about conics, basic surface in space, cylinders, surface of revolutions, quadratic surfaces.

MATH 4070 Mathematical Finance (3-0)3

Topics covered will include: an introduction to financial instruments and markets, fixed-income securities and rates of return, utility functions and optimal investment, simple models of random variation in prices, the fundamental concepts of arbitrage, replication, and completeness, and the use of arbitrage-free models for the valuation of securities and for the management of risk.

MATH 4071 Coding Theory (3-0)3

Introduction to error-correction codes, the main theorem of coding theory, introduction to finite fields, vector spaces over finite fields, introduction to linear codes, coding and encoding with linear codes, dual code, parity-check matrix, syndrome encoding, hamming codes, perfect codes.

MATH 4072 Cryptography (3-0)

Early crypto systems and simple systems, public key cryptography, primality and factoring, elliptic curve crypto systems.

MATH 4081 Introduction to Fluid Dynamics (3-0)3

Introduction to the theory of incompressible fluid dynamics, which describes the motion of liquids and gases at speeds small compared to the sound speed. Special attention is paid to a precise formulation of the various conservation laws that govern fluid dynamics, as this provides a convenient framework in which to study specific examples as well as extensions of the basic theory.

MATH 4082 Numerical Solution of Partial**Differential Equations (3-0)3**

This course will cover basic methods for solving partial differential equations numerically. The focus will be on finite difference methods. There will be lectures covering principles of the methods used and also practical laboratory sessions and seminars covering issues such as MATLAB programming and testing. Numerous working examples from different fields will be given out in the course.

MATH 4085 Commutative Algebra (3-0)3

Basic notions, unique factorization domains, polynomial rings on unique factorization domains, operations on ideals, prime and primary ideals, primary decomposition, Artinian rings, Noetherian rings, zero divisors on Noetherian rings.

MATH 4086 Galois Theory (3-0)3

Rings and fields, polynomial rings, field extensions, transcendental numbers, normal extensions and splitting fields, Galois theory in commutative rings, polynomials solvable by radicals.

MATH 4087 Graph Theory (3-0)3

Graphs and graph terminology, subgraph, directed graphs, connectivity, Euler and Hamilton paths, planar graphs, graph coloring, trees.

MATH 4088 Game Theory (3-0)3

Matrix games: definition and basic concepts, The minimax theorem, 2x2 games, 2xn games, mx2 games, mxn games, diagonal games, symmetric games, infinite antagonistic games: equilibrium situations, optimal strategies, conditionally compact games, continuous games on the unit square, convex games, examples, non-cooperative games: Nash's theorem, Prisoner's dilemma, battle of the sexes, cooperative games: characteristic functions, imputations, dominance of imputations, core of a game, von Neumann-Morgenstern solutions, Shapley's vector, balanced collections, multistage games: behavioral strategies, games of exhaustion, stochastic games, recursive games.

MATH 4089 Mathematics for Finance and Management (3-0)3

Mathematics in business management: Income statement analysis, simple interest and simple

discount, bank discount and negotiable instruments, mathematics in investment-basic topics: compound interest, annuities, comparison methods for investment alternatives, mathematics in investment – applications: Investment in stocks and bonds, depreciation and depletion, perpetuity and capitalization, life annuities, life insurance, mathematical programming for capital budget calculations.

MATH 4090 Fuzzy Mathematics (3-0)3

Definition of a fuzzy set, operations on fuzzy sets, level sets, fuzzy subgroups, relationship between fuzzy subgroup and subgroup of a group, some basic theorems of fuzzy subgroups, fuzzy normal subgroups, fuzzy homomorphism, isomorphism theorems.

MATH 4091 Kinematics (3-0)3

One-parameter planar motions, velocities of the orbit curve, closed planar motions, Steiner area formula, Holditch's theorem, area and length of enveloping curve of straight lines.

MATH 4092 Dual Number Theory and Quaternions (3-0)3

The ring of dual Numbers, D -module, inner product and cross-product of dual vectors, dual angle, dual unit sphere, E. Study's map, real quaternions, dual quaternions.

MATH 4093 Measure and Integration Theory (3-0)3

The set theory and real number system, Lebesgue measure, Lebesgue integral, differentiation and integration, classical Banach spaces.

MATH 4094 Selected Topics in Analysis (3-0)3

Ordered sets, fields, real and complex fields, Euclidean spaces, finite, countable and uncountable sets, metric spaces, compact sets, perfect sets and connected sets. Convergence and divergence, some basic theorems, limits and continuity of functions, continuity and compactness, continuity and connectedness, turing machines, undecidability.

DEPARTMENT OF MODERN LANGUAGES

INSTRUCTORS

AVDAN, Nazlı: B.A., Ankara University, M.A., Bahçeşehir University.
ÇORBACI, Mihrişah: B.A., Boğaziçi University, M.A., Yıldız Technical University.
DALGIÇ, Gülay: B.A., Boğaziçi University, M.B.A., Beykent University.
KÖSEOĞLU, Yaman: B.S., Robert College, M.S., M.B.A., City University.
ONAT, Elif Canan (*Chairperson*): B.A., Hacettepe University.
ÖNCÜL DURGUT, Özden: B.A., Istanbul University, M.Ed., University of Manchester, M.A., Bahçeşehir University.
ÖZTAN, Meltem: B.A., M.A., Istanbul University.
WILLIAMS, Caroline Helen: B.A., University of Hertfordshire.

ADJUNCT PROFESSORS

BİLENOĞLU, Nurten: B.A., Istanbul University.
BÜYÜKSAĞIŞ, Rossier Dominique: B.A., M.A., University of Fribourg.
CAYMAZ, Rie: B.A., Nisyougakuska University.
DAVYDOVA, Elena: B.A., Moscow State University.
GÜRLEK DOĞAN, Yelda: B.A., M.A., Ankara University.

GENERAL INFORMATION: The Department of Modern Languages at Bahçeşehir University offers undergraduate students a great opportunity to learn the language, literature, and culture of French, German, Italian, Russian, and Spanish from elementary to advanced levels.

Today, almost any academic or career interest is combined with a major or a minor in a foreign language because it requires research. That's why, learning a second language is crucial for careers in many professional areas such as education, communication, international business, European studies, government, law, and social work.

The Modern Languages Department prepares students to be more knowledgeable and sensitive citizens of the national and global communities through class work including refined communicative skills and cultural awareness. Therefore, the Department's mission is to give a certain quality of language instruction, and to contribute actively to national and international cross-disciplinary academic studies.

Our programs are designed to provide students with basic competencies and defined proficiency levels in any of several modern languages through integrated language skills—speaking, listening, reading, and writing— and career opportunities at different levels. Through our language classes, we provide our students with the tools for understanding the diversity of human culture, so that they gain the perception needed to appreciate the views of people in other countries and to learn more about themselves by cultivating what people from other cultures think about them and their culture.

COURSE DESCRIPTIONS

ENG 1003 Communication Skills and Academic Reporting I (2-2)3

The objective of this course is to develop professional communication skills necessary for academic life and enable the students to have a critical look at the existing research that is significant to the study that they are carrying out; thus empowering them to write a comprehensive and analytical review of literature through citation and referencing, analyzing given situations and documents and producing suitably structured academic reports.

ENG 1004 Communication Skills and Academic Reporting II (2-2)3

The objective of this course is to develop professional communication skills necessary for academic life and enable the students to have a critical look at the existing research that is significant to the study that they are carrying out; thus empowering them to write a comprehensive analytical review of literature through citation and referencing, analyzing given situations, documents and producing suitably structured academic reports, adapting various documents to particular needs.

GER 3101 German I (3-0)3

This course is an introduction to German language aiming to give the history of the language, its structure and basic grammar rules.

GER 3102 German II (3-0)3

In the second term three chapters will be thought. In chapter five conversations will be conducted on learning German, the motives to learn German and different experiences during the learning process. Information about languages and learning alternatives are the subjects of chapter six. Different methods to learn a foreign language will be discussed. Chapter seven about colors, descriptions of appearances and houses. Here, colors will be thought, and then descriptions of landscape, panorama and houses will be done.

FREN 3203 French I (3-0)3

The aim of the course is to introduce the students to French language, providing them

with the fundamentals of grammar, vocabulary and communication skills.

FREN 3204 French II (3-0)3

An introduction to the French language. It aims at: a) developing communicative competences allowing simple interactions b) building up grammar competences c) starting up a lexicon.

ITAL 3305 Italian I (3-0)3

The aim of the course is to introduce the students to Italian language, providing them with the fundamentals of grammar, vocabulary and communication skills.

ITAL 3306 Italian II (3-0)3

A beginning course in Italian language and culture, Elementary Italian develops the five basic language skills (Grammar, speaking, understanding, reading, and writing) while introducing the student to Italy and its people. Revision exercises; listening and writing activities and practice.

RUS 3507 Russian I (3-0)3

This course is an introduction to Russian language aiming to give the history of the language, its structure and basic grammar rules.

RUS 3508 Russian II (3-0)3

The course begins with a short phonetics section (sounds and letters, pronunciation of the Russian sounds, stress and reduction of sounds, soft and hard consonants). The main part of the course helps to get to know the main grammar structures, to read simple texts, to understand and to ask the most frequent questions and to give answers to them.

SPAN 3609 Spanish I (3-0)3

The aim of the course is to introduce the students to Spanish language, providing them with the fundamentals of grammar, vocabulary and communication skills.

SPAN 3610 Spanish II (3-0)3

In the course verb drills (present, future and past structures), combined sentences, and clauses. In addition to grammar; reading sessions and intensive practice in spoken Spanish, with stress on vocabulary building, comprehension, and pronunciation. The

students are expected to stage a little drama in Spanish, and interpret songs, movies and short stories.

JAP 3801 Introduction to Japanese Language and Culture (3-0)3

The Japanese course primarily starts with daily conversations in the Latin phonetics and moves on with the learning of Japanese alphabet. The supplemental materials such as audio visual training and other useful sets applied during

the course are provided by the Japan Foundation. Moreover, Japanese cultural activities will be introduced once a month. The students will learn about “origami” (the Japanese art of folding paper into shapes representing objects e.g., flowers or birds), “hashi” (how to use eating sticks), “syodo” (Japanese calligraphy using “kanji” characters), Japanese cuisine, sushi workshops and others.

DEPARTMENT OF PSYCHOLOGY

PROFESSORS

ERGİN, Canan (*Dean*): B.A., M.A., Ph.D., Hacettepe University

ASSISTANT PROFESSORS

KORKUT, Yeşim: B.A., Istanbul University, M.A., Boğaziçi University, Ph.D., University of Zurich.

ÖZDEMİR, Nesrin: B.A., M.A, Ankara University; Ph.D, Mimar Sinan University.

ŞİRİN, Selçuk: B.A., Middle East Technical University, M.S., SUNY-Albany, Ph.D., Boston College.

İMAMOĞLU TEZCAN, Selen: B.A., B.S., Middle East Technical University, M.A., Michigan State University, Ph.D., Middle East Technical University.

INSTRUCTORS

YAVUZ, Serap: B.A.,Boğaziçi University, M.A., Koç University, M.S., Middlesex University

TEACHING ASSISTANTS

ERTÜRK, Su Ece: B.A., Ithaca College.

GENERAL INFORMATION: The Psychology Department currently offers an undergraduate program in psychology leading to a B.A degree. The main goal of the four-year undergraduate program is to train the students to achieve scientific knowledge in the major fields of psychology. Another objective of our department is to encourage and conduct research in psychology.

The program consists of the required theoretical and applied courses as well as a wide range of electives. The major research and activity areas of our academic staff in terms of four areas of psychology (clinical, industrial-organizational, developmental and social) are as follows: Leadership, human resource management, conflict resolution, burnout, consumer behaviour, motivation, health psychology, psychosocial adaptation & immigration, ethics, psychoanalytic paradigm, identity development, school engagement, attachment, self-construals, gender issues.

CURRICULUM

FIRST YEAR

First Semester

PSY	1001	Introduction to Psychology I	(3-0)3
SOC	1003	Introduction to Sociology I	(3-0)3
SOC	1031	Introduction to Anthropology	(3-0)3
MATH	1005	Mathematics for Social Sciences	(3-0)3
ENG	1003	Communication Skills and Academic Reporting I	(2-2)3
GEP	1005	History of Civilization I	(3-0)3

Second Semester

PSY	1002	Introduction to Psychology II	(3-0)3
SOC	1004	Introduction to Sociology II	(3-0)3
PHIL	1002	Introduction to Philosophy	(3-0)3
BIO	1002	Introduction to Biology	(3-0)3
ENG	1004	Communication Skills and Academic Reporting II	(2-2)3
GEP	1006	History of Civilization II	(3-0)3

SECOND YEAR

Third Semester

PSY	2007	Psychology of Learning	(3-0)3
PSY	2009	Developmental Psychology I	(3-0)3
PSY	2015	Research Methods I	(3-0)3
PSY	2021	Social Psychology I	(3-0)3
PSY	2031	Statistical Methods and Applications I	(3-0)3
TLL	2021	Turkish Language and Literature I	(2-0)2

Fourth Semester

PSY	2008	Experimental Psychology	(3-0)3
PSY	2010	Developmental Psychology II	(3-0)3
PSY	2016	Research Methods II	(3-0)3
PSY	2022	Social Psychology II	(3-0)3
PSY	2032	Statistical Methods and Applications II	(3-0)3
TLL	2022	Turkish Language and Literature II	(2-0)2

THIRD YEAR

Fifth Semester

PSY	3003	Psychological Measurement	(3-0)3
PSY	3005	Cognitive Psychology	(3-0)3
PSY	3007	Theories of Personality	(3-0)3
HIST	3051	History of Turkish Republic I	(2-0)2
		Departmental Elective	(3-0)3
		GE Elective	(3-0)3

Sixth Semester

PSY	3002	Clinical Psychology	(3-0)3
PSY	3004	Physiological Psychology	(3-0)3
HIST	3052	History of Turkish Republic II	(2-0)2
		Departmental Elective	(3-0)3
		Departmental Elective	(3-0)3
		GE Elective	(3-0)3

FOURTH YEAR

Seventh Semester

PSY 4001	Psychopathology I	(3-0)3
PSY 4003	Industrial/Organizational Psychology	(3-0)3
	Departmental Elective	(3-0)3
	Departmental Elective	(3-0)3
	Departmental Elective	(3-0)3
	GE Elective	(3-0)3

Eighth Semester

PSY 4002	Psychopathology II	(3-0)3
PSY 4004	Psychological Assessment	(3-0)3
	Departmental Elective	(3-0)3
	Departmental Elective	(3-0)3
	Departmental Elective	(3-0)3
	GE Elective	(3-0)3

LIST OF ELECTIVE COURSES

PSY 3008	Experimental Social Psychology	(3-0)3
PSY 3010	Current Trends in Psychology	(3-0)3
PSY 3011	Applied Social Psychology	(3-0)3
PSY 3012	Readings in Cognitive Psychology	(3-0)3
PSY 3013	Interpersonal Relations	(3-0)3
PSY 4005	Health Psychology	(3-0)3
PSY 4006	Cross-Cultural Psychology	(3-0)3
PSY 4007	Multivariate Statistics	(3-0)3
PSY 4008	Organizational Behavior Analysis	(3-0)3
PSY 4009	Selected Topics in Social Psychology	(3-0)3
PSY 4010	Group Psychotherapies	(3-0)3
PSY 4011	School Psychology	(3-0)3
PSY 4012	Educational Psychology	(3-0)3
PSY 4013	Counseling Psychology	(3-0)3
PSY 4014	Selected Topics in Developmental Psychology	(3-0)3
PSY 4015	Family Therapies	(3-0)3
PSY 4016	Psychology of Gender	(3-0)3
PSY 4017	Readings in Clinical Psychology	(3-0)3
PSY 4018	Readings in Organizational Psychology	(3-0)3
PSY 4019	Readings in Social Psychology	(3-0)3
PSY 4020	Ethics in Psychology	(3-0)3
PSY 4021	Cognitive Neuropsychology	(3-0)3
PSY 4022	Readings in Learning & Behavior	(3-0)3
PSY 4023	Forensic Psychology	(3-0)3
PSY 4024	Consumer Behavior and Advertising	(3-0)3
PSY 4025	Basic Concepts of Psychoanalytic Theory	(3-0)3

COURSE DESCRIPTIONS

PSY 1001 Introduction to Psychology I (3-0)3

This course is a general introduction to the field of psychology. Various areas of investigation are introduced, including scientific investigation, biological bases of behavior, cognition, perception, intelligence, behavioral deviation, learning and human development. Emotions and motivation, personality, stress and health psychology, abnormal behavior, therapies, social psychology and measurement issues are covered in the second term.

PSY 1002 Introduction to Psychology II (3-0)3

This course is a general introduction to the field of psychology. Various areas of investigation are introduced, including scientific investigation, biological bases of behavior, cognition, perception, intelligence, behavioral deviation, learning and human development. Emotions and motivation, personality, stress and health psychology, abnormal behavior, therapies, social psychology and measurement issues are covered in the second term.

PSY 1050 Understanding Social Behavior (3-0)3

The course provides students with an understanding of the basic concepts, methods and findings of social psychology with an aim of enabling them to understand social behavior. It also aims to introduce students to concepts of evolutionary psychology and make the link between evolutionary approaches and psychology.

PSY 2007 Psychology of Learning (3-0)3

Survey of research findings and theoretical issues in the study of basic learning processes, such as habituation and sensitization, varieties of conditioning, contingencies of reinforcement and punishment. Such processes contribute to understanding and treating behavioral problems.

PSY 2008 Experimental Psychology (3-0)3

The purpose of this course is to introduce the student to the various issues involved in conducting psychological research. This includes the design, analysis, and reporting of experiments. Reporting experimental research, APA rules and ethics.

PSY 2009 Developmental Psychology I (3-0)3

Critical and technical review of theories on intellectual and social development of infants and children. Emphasis is on the role of early experiences and biological factors in the later formation of personality and intellectual motivational behaviors. Discusses the work of Erikson, Piaget, and Freud.

PSY 2010 Developmental Psychology II (3-0)3

This advance course on developmental psychology covers developmental theories and most recent research on life-span development. Focuses on physical, cognitive, social, and emotional development. The course also examines the role of family and culture on life-span development.

PSY 2015 Research Methods I (3-0)3

An introduction to the logic of various research methods and the application of scientific methods to the study of behavior. Emphasis will be on a wide range of research designs and techniques including surveys, correlational designs, quasi-experimental designs, as well as true experimental designs. Students will prepare a research proposal to be conducted in the next semester.

PSY 2016 Research Methods II (3-0)3

In the second semester of the course, surveys, unobtrusive measures and ethical issues will be discussed. Students will be supervised during preparing questionnaires, data collection, analysis and reporting stages. Students are required to prepare an APA style report.

PSY 2021 Social Psychology I (3-0)3

An introduction to the scientific study of social behavior and social influences on behavior.

Theories and research on such topics as attitude change and persuasion, stereotypes and prejudice, conformity and obedience to authority, altruism, conflict, attraction and love will be introduced.

PSY 2022 Social Psychology II (3-0)3

Building on the content of PSY2021, the course focuses on issues such as interpersonal attraction, close relationships, gender, altruism, group processes, and applied social psychology.

PSY 2031 Statistical Methods and Applications I (3-0)3

The course aims to teach students introductory level quantitative data analysis methods. It starts with data processing steps, including data entry and treatment of missing data. It continues with descriptive statistics such as measures of central tendency and variation. Students will learn primary topics under inferential statistics that include hypothesis testing and sampling distributions. The course will also cover relatively simple inferential statistics methods such as t-test, correlation, and regression. For the application of all the statistical procedures mentioned above, students will learn how to use a statistical package such as SPSS. Interpretation of statistical results will be an integral part of the course.

PSY 2032 Statistical Methods and Applications II (3-0)3

As the second course in a year-long sequence in statistical methods, this class will build upon the knowledge and skills students will have acquired in PSY 2031. Still using a statistical package, students will learn extended applications of group mean comparisons, such as analysis of variance, analysis of covariance, and repeated measures ANOVA. Students will also learn relatively advanced correlational techniques including multiple regression. How to report statistical results and substantively interpret them will also be covered in this class.

PSY 3002 Clinical Psychology (3-0)3

This course aims to teach historical roots of clinical psychology and overview of theoretical models. The roles and activities of a clinical psychologist will be the main focus. Students will be provided information on the

following topics: Biopsychosocial perspective; major theoretical models of psychotherapy, psychological assessment; areas of specialty in clinical psychology.

PSY 3003 Psychological Measurement (3-0)3

Examination of the logical and empirical problems involved in the measuring of psychological variables. Concerned with how concepts are isolated for measurement, the factors that influence the adequacy of their measurement, and the criteria that may be used in assessing the validity and usefulness of the measures. Topics also include tests of intelligence and ability, personality inventories, and projective techniques.

PSY 3004 Physiological Psychology (3-0)3

An analysis of the basic physiological mechanisms underlying behavior. Special emphasis is given to the functions of the nervous and endocrine systems and disruptions of these systems, induced by drugs and other chemical alterations.

PSY 3005 Cognitive Psychology (3-0)3

The study of human cognition, its basic concepts, methods, and major findings. Human knowledge acquisition and use. Contemporary theory and research are surveyed in such areas as attention; perception; memory; imagery; language; reading; problem solving; and decision making.

PSY 3007 Theories of Personality (3-0)3

This course provides an introduction to theories of personality including psychodynamic, humanistic, existential, socio-cultural, learning and trait models.

PSY 3008 Experimental Social Psychology (3-0)3

Research methods in experimental analysis of human social behavior. Training in design, conduct, analysis, interpretation, and writing of research. Ethical issues associated with this research.

PSY 3009 History of Psychology (3-0)3

The purpose of this course is to review the progression of psychological thought and inquiry. Major theories, methods, and substantive issues. Structuralism,

functionalism, Gestalt, behaviorism, psychoanalysis and phenomenological/existential approaches

PSY 3010 Current Trends in Psychology (3-0)3

A course for students with a particular interest in the "special topic" being discussed that semester. Topics selected are not typically covered in the regular scheduled psychology courses. The focus will be on reading assignments, class discussions, and the sharing of ideas rather than formal lectures.

PSY 3011 Applied Social Psychology (3-0)3

The course focuses on the application of social psychological principles to fields such as law, advertising, politics, architecture and environment, sports, health, and organizational settings.

PSY 3012 Readings in Cognitive Psychology (3-0)3

In-depth readings in selected areas of cognitive psychology and research under the supervision of the instructor.

PSY 3013 Interpersonal Relations (3-0)3

The course focuses on daily interpersonal relations, with an aim to help students develop better communication skills, and build healthier relationships. The topics that will be discussed include verbal and nonverbal communication, the formation, maintenance, and dissolution stages of relationships, communication skills, conflict resolution, the nature and dynamics of close relationships.

PSY 4001 Psychopathology I (3-0)3

This is an introductory graduate course in psychopathology and consists of 2 sections. The aim of Psychopathology I is to provide the students an understanding of what causes psychopathology and the ways we try to prevent these as well as to treat them. Students will be encouraged to develop a wide understanding of 'psychopathology' from a number of different perspectives. Main approaches to as well as the basic classification systems of psychopathology will be introduced to students. Disorders to be covered in this course are: psychosis / mood disorders, schizophrenia.

PSY 4002 Psychopathology II (3-0)3

Psychopathology II is the continuation of Psychopathology I. Based on the concepts covered in the first part of the course, the students will be introduced to the following disorders: anxiety disorders, personality disorders; eating disorders, disorders of childhood. The aim of Psychopathology II is to continue developing a wide understanding of "psychopathology" from a number of different perspectives.

PSY 4003 Industrial/Organizational Psychology (3-0)3

Introduction to the methods used by industrial/organizational psychologists to increase organizational effectiveness and individual well-being. Topics include personnel selection and evaluation, training and development, attitudes and motivation, leadership, group dynamics, organizational structure and climate, and job design and working conditions.

PSY 4004 Psychological Assessment (3-0)3

Course covers basic theory of psychological assessment. The construction, administration, and interpretation of psychological tests of intelligence, abilities, and personality will be discussed. Emphasis will be placed on measurement theory and practical applications.

PSY 4005 Health Psychology (3-0)3

Health psychology is a relatively newly developed area of psychology. In this course students will get a chance to understand the underlying factors that led to the development of health psychology. Afterwards the following issues will be covered: Illness and health, body systems & immune reactions, coping with health-related stress, chronic diseases, the role of psychologist in health care system, training in health psychology.

PSY 4006 Cross-Cultural Psychology (3-0)3

Understanding how various psychological processes and phenomena (social, organizational, developmental, experimental) may vary across cultures. Analysis of culture and cultural forms from a psychological perspective, blending theory and application to develop an academic and personal understanding of culture and its effects on human behavior.

PSY 4007 Multivariate Statistics (3-0)3
Introduction to 'regression' and 'projection' and 'classification' techniques by using an appropriate statistical package such as SPSS to analyze multivariate behavior. Topics include cluster analysis, discriminant analysis, principal component analysis, multiple regression and logistic regression .

PSY 4008 Organizational Behavior Analysis (3-0)3
Identify the fundamentals of organizational behavior, including the topics of leadership, work motivation, organizational culture, organizational structure, group dynamics, conflict in organizations, power and politics, organizational design and organizational change. Understanding the influence of human behavior on the overall performance of organizations at the personal, group and organization levels.

PSY 4009 Selected Topics in Social Psychology (3-0)3
Selected topics that are not typically covered in the other social psychology courses, and/or in-depth discussions of more familiar subjects. The focus will be on reading assignments, class discussions, and the sharing of ideas rather than formal lectures.

PSY 4010 Group Psychotherapies (3-0)3
Group psychotherapy is a form of psychotherapy in which a small, carefully selected group of individuals meets regularly with a trained therapist. In this course the students will be introduced to theories of group work. They will get a chance to understand how group therapies are helpful to individuals and the specific therapeutic factors in group therapy such as: installation of hope, universality, catharsis etc. Basic models about group process and levels of group work will be covered.

PSY 4011 School Psychology (3-0)3
The roles and functions of school psychologists. The history and foundations of school psychology; various service models and methods; public policy development applicable to services to children and families; and ethical, professional, and legal standards. The skills needed to work with individuals of diverse personalities.

PSY 4012 Educational Psychology (3-0)3
Psychological factors in human development, with particular attention to personality, cognition, learning, and language development. Individual differences, instruction and teaching-learning processes in theory and application. Various theories regarding human development and learning. Motivation, discipline, cultural differences in classroom environment, learner differences.

PSY 4013 Counseling Psychology (3-0)3
Conceptualization, historical background and the nature of guidance and counseling, professional roles, direct and indirect functions, brief review of career counseling and counseling with special groups, basic assessment techniques, and development of guidance and counseling services in Turkey. Models of helping, diversity-sensitive counseling, case management and diagnostic issues, major and innovative therapies. In depth discussion of ethical issues involved in counseling practice.

PSY 4014 Selected Topics in Developmental Psychology (3-0)3
This course examines issues related to emotional, cognitive, and social development from infancy through adult years. Examines how key questions regarding nature-nurture and continuity-discontinuity arguments shape our understanding of recent research findings in the field of developmental psychology.

PSY 4015 Family Therapies (3-0)3
Family therapy is an epistemological shift in the area of psychotherapy. This course offers a critical evaluation of major schools of family therapy such as: Structural therapy, strategic therapy, MRI approach, psychoanalytic family therapy. At the end of the course the students will have an understanding of the methods and techniques that a family therapist uses.

PSY 4016 Psychology of Gender (3-0)3
The course focuses on the formation, perpetuation, and the impact of gender roles within a given society. Some issues that will be discussed include, how being "masculine" and "feminine" can be defined, the role of socialization on the formation of gender roles, and the dynamics of male-female relationships.

Theoretical and practical implications will be discussed.

PSY 4014 Readings in Clinical Psychology (3-0)3

In-depth readings in selected areas of clinical psychology and research under the supervision of the instructor.

PSY 4018 Readings in Organizational Psychology (3-0)3

In-depth readings in selected areas of organizational psychology and research under the supervision of the instructor. Specifically focuses on review of recent literature on issues such as leadership, motivation, and employee attitudes. Carrying out a research under the supervision of the instructor will allow students to develop a practical understanding of these concepts as well as to apply them in real life.

PSY 4019 Readings in Social Psychology (3-0)3

In-depth readings in selected areas of social psychology and research under the supervision of the instructor.

PSY 4020 Ethics in Psychology (3-0)3

In this course the students will focus on to concepts such as moral reasoning, values, and professional ethics. After being introduced to APA and EFPA Meta codes as world-wide known codes, the students will be encouraged to learn about the development process of Turkish ethics code thoroughly. At the end of the course they will be able to understand the ethical decision making process and the steps to be followed after determining ethical dilemmas.

PSY 4021 Cognitive Neuropsychology (3-0)3

How the structure of the brain links to certain psychological and cognitive processes. Special emphasis on how brain injury relates to changes in cognitive processes and functioning.

PSY 4022 Readings in Learning and Behavior (3-0)3

In-depth readings in psychology of learning. Focuses on classical and operant conditioning and examines latest research and theory that expand the earlier work in the field of learning. Applications of learning theories and research to other domains such as classroom teaching and parenting are also discussed.

PSY 4023 Forensic Psychology (3-0)3

The application of psychological concepts to the legal system. Collection, examination and presentation of psychological evidence to the criminal justice system. Understanding the participation of psychologists during and after the assessment of the crime, and ethical concerns and issues.

PSY 4024 Consumer Behavior and Advertising (3-0)3

Consumer behavior and advertising within a psychological framework. The course examines the cognitive, affective, and behavioral aspects of the consumption experience. Also, by focusing on the psychology of advertising, it explores in what ways the advertisers try to influence consumers, and how consumers can be affected by such persuasive attempts.

PSY 4025 Basic Concepts of Psychoanalytic Theory (3-0)3

In this course psychology students who have a basic knowledge on psychopathology are expected to come closer to the development of Freudian theory and some of its core psychoanalytic concepts (such as drive, transference, narcissism, life and death instincts, topographical and structural models). Through various texts students will be familiar with a timeline for Freud's theories. Furthermore, major trends in psychoanalytic theory (such as Klein's, Bion's, Winnicott's, Kohut's and Mitchell's) will be presented in terms of their differentiation from classical drive.

DEPARTMENT OF SCIENCES

PROFESSORS

GÜNGÖR, Ali (*Chairperson*): B.S., Ege University, M.S., Ph.D., Maryland University

ASSISTANT PROFESSORS

AÇIKGÖZ, Muhammed: B.S., M.S., Middle East Technical University, Ph.D., Gebze Institute of Technology.

ARDA, Lütfü (*Associate Dean*): B.S., Hacettepe University, M.S., Gazi University, Ph.D., Florida State University and Marmara University.

KOÇ, Ayşegül Öncül: B.S., M.S., Ph.D., Istanbul Technical University.

RESEARCH ASSISTANTS

ÇEKLİ, Seda: B.S., Istanbul Technical University.

DAĞYAR, Nazlı Ceren: B.S., Sakarya University, M.S., Bahcesehir University.

EMÜL, Yakup: B.S., M. S., Istanbul Technical University.

POLAT, Ömer: B.S., Marmara University, M.S., Muğla University.

TIRPANCI, Şaban: B.S., Ege University, M.S. Fatih University.

ADJUNCT PROFESSORS

AKDOĞAN, Taylan: B.S., Boğaziçi University, Ph.D., Massachusetts Institute of Technology.

BİLGİN, Neş'e: B.S., Boğaziçi University, Md.Sci.Dr., Istanbul University.

GENERAL INFORMATION: The Department of Sciences has as its primary goal to provide a sound basis of Physics, Chemistry and Biology to students of the Faculty of Engineering and the Faculty of Arts and Sciences. The theoretical background given to students is further supported by laboratory work carried out in our technologically advanced laboratories.

The Department of Science, besides the basic mission of educating the students in Science is also active in Research in line with the general philosophy of our University. Basic research that is currently carried on in the department is in nanotechnology and polymer chemistry.

Research in nanotechnology is one of the basic areas of research of our day and developed countries are allocating big budgets for research in the field, known as the fourth industrial revolution era. Following the general trend, our university has started collaboration with universities ranking in the top hundred in the U.S.A so as to be able to follow the latest developments and share laboratory facilities whenever possible.

COURSE DESCRIPTIONS

PHYS 1001 Physics I (3-2)4

Standards and units; vectors and coordinate systems; kinematics; dynamics work energy and power; conservation of energy; dynamics of system of particles; collisions; rotational kinematics and dynamics; equilibrium of rigid bodies; oscillations.

PHYS 1002 Physics II (3-2)4

Electric field; Gauss law; electric potential; capacitance and dielectrics; current and resistance; direct current circuits; magnetic fields; sources of magnetic fields; Faraday's law; inductance; alternating current circuits; electromagnetic waves.

PHYS 1003 General Physics I (3-0)3

Physics and measurement, motion in one dimension, vectors, motion in two dimensions, the laws of motion, circular motion and other applications of Newton's laws, energy and energy transfer, potential energy, linear momentum and collisions, rotation of a rigid object about a fixed axis, angular momentum.

PHYS 1004 General Physics II (3-0)3

Electric fields, Gauss's law, electric potential, capacitance and dielectrics current and resistance, direct current circuits, magnetic fields, sources of the magnetic field, Faraday's law, inductance, alternating current circuits.

PHYS 1005 Concepts and Applications in Physical Science (3-0)3

The course builds a link between theoretical physical concepts and the real physical world by providing an experimental/observational method. Physical quantities; vectors and scalars; static equilibrium; uniformly accelerated motion; Newton's laws; work and energy; conservation of energy; linear

momentum; impulse; collisions; angular motion; Newton's law of gravitation; rotational work, energy, and momentum; mechanical properties of matter are delivered.

PHYS 2003 Modern Physics (3-0)3

Special theory of relativity. Particle properties of waves, wave properties of particles. Atomic structure. Elementary quantum mechanics, many electron atoms, nuclear structure and radioactivity.

CHEM1001 General Chemistry I (3-2)4

Chemical foundations, atoms, molecules and ions, stoichiometry, types of chemical reactions and solution stoichiometry, gases. Thermochemistry, atomic structure and periodicity; bonding: general concepts covalent bonding, orbital. Liquids and solids, properties of solutions.

CHEM1102 Chemistry for Educational Sciences (3-0)3

Matter, its properties and measurement, atoms and the atomic theory, chemical compounds, chemical reactions, reactions in aqueous solutions, gases, thermochemistry, electrons in atoms, the periodic table and some atomic properties, chemical bonding.

BIO 1002 Introduction to Biology (3-0)3

The chemistry of life, basic architecture of cells and their molecular components, cellular organelles, cellular respiration and metabolism, cellular basis of reproduction and inheritance, patterns of inheritance, the flow of genetic information from DNA to RNA to protein, regulation of gene expression, the genetic basis of cancer, mechanisms of signal transduction, sex and reproduction, development and aging.

DEPARTMENT OF SOCIOLOGY

PROFESSORS

NARLI, Ayşe Nilüfer (*Chairperson*): B.A., M.A., Middle East Technical University, Ph.D., University Sains Malaysia.

ASSOCIATE PROFESSORS

ÖKTEN, Kaan (*Assistant to the president*): B.A., M.A., Ph. D., Istanbul University.
ÖYMEN, Örsan: B.A., Middle East Technical University, M.A., NYU, Ph.D., Middle East Technical University.

ASSISTANT PROFESSORS

KÖROĞLU, Burhan: B.A., İstanbul University, M.A., Jordan University, Ph.D., Marmara University.
ZİYA, Hande Eslen: B.A., M.A., Boğaziçi University, Ph.D., IFIS PAN.

INSTRUCTORS

BEZMEZ, Dikmen: B.A., Boğaziçi University, M.A., SUNY Binghamton, Ph.D., SUNY Binghamton.

TEACHING ASSISTANTS

ÖZAŞÇILAR, Mine: B.A., Mimar Sinan University, M.A., Istanbul University.

ADJUNCT PROFESSORS

FALIEROU, Anastasia: B.A., University of Athens, M.A., Ecole des Haute Etudes en Sciences Sociales.

GENERAL INFORMATION: Founded in 2006, the Department of Sociology at Bahçeşehir University aspires to make contributions to social science from multiple dimensions. In areas of research as diverse as migration studies, women studies, Middle East and urban studies, the department has started shaping the key aspects of social inquiry in Turkey already.

The Department of Sociology accentuates both theoretical creativity and substantive empirical research on important social issues at diverse levels. It encourages strength in both quantitative and qualitative research methods.

The faculty is dedicated to excellence in teaching, scholarship, as well as creative, professional activities. Students are prepared to meet global challenges, for employment opportunities in different branches of the public and private sectors and to pursue higher degree programs.

CURRICULUM

FIRST YEAR

First Semester

SOC	1003	Introduction to Sociology I	(3-0)3
SOC	1011	Methodology of Social Sciences	(3-0)3
SOC	1031	Introduction to Anthropology	(3-0)3
PSY	1001	Introduction to Psychology I	(3-0)3
ENG	1003	Communication Skills and Academic Reporting I	(2-2)3
GEP	1005	History of Civilization I	(3-0)3

Second Semester

SOC	1004	Introduction to Sociology II	(3-0)3
SOC	1012	Methods and Techniques of Social Research	(3-0)3
SOC	1032	Social and Cultural Anthropology	(3-0)3
PSY	1050	Understanding Social Behavior	(3-0)3
ENG	1004	Communication Skills and Academic Reporting II	(2-2)3
GEP	1006	History of Civilization II	(3-0)3

SECOND YEAR

Third Semester

SOC	2011	Urbanization	(3-0)3
SOC	2031	Statistical Methods and Computer Applications in Social Sciences I	(3-0)3
SOC	2041	Changes in Contemporary Turkish Society I	(3-0)3
SOC	2051	Sociological Perspectives	(3-0)3
TLL	2021	Turkish Language and Literature I	(2-0)2
GE Elective			(3-0)3

Fourth Semester

SOC	2020	Rural Sociology	(3-0)3
SOC	2026	Social Change and Stratification	(3-0)3
SOC	2032	Statistical Methods and Computer Applications in Social Sciences II	(3-2)4
SOC	2042	Changes in Contemporary Turkish Society II	(3-0)3
TLL	2022	Turkish Language and Literature II	(2-0)2
GE Elective			(3-0)3

THIRD YEAR

Fifth Semester

SOC	3011	Political Sociology	(3-0)3
SOC	3031	Sociology of Gender and Family	(3-0)3
SOC	3041	History of Sociological Thought	(3-0)3
SOC	3051	Sociology of Mass Communication	(3-0)3
SOC	3061	Sociometry	(3-0)3
HIST	3051	History of Turkish Republic I	(2-0)2

Sixth Semester

SOC	3020	Work and Organization	(3-0)3
SOC	3042	Social Movements	(3-0)3
SOC	3052	Philosophy of Social Sciences	(3-0)3
SOC	3062	Qualitative Methods in Sociology	(3-0)3
HIST	3052	History of Turkish Republic II	(2-0)2
Departmental Elective			(3-0)3
GE Elective			(3-0)3

GE Elective (3-0)3

FOURTH YEAR

Seventh Semester

SOC 4011 Contemporary Sociological Theory (3-0)3
SOC 4031 Religion in Society (3-0)3
SOC 4041 Demography/Population Dynamics (3-0)3
SOC 4051 Seminar I (3-0)3
Departmental Elective (3-0)3

Eighth Semester

SOC 4012 Turkish Sociologists (3-0)3
SOC 4052 Seminar II (3-0)3
Departmental Elective (3-0)3
Departmental Elective (3-0)3
Departmental Elective (3-0)3

LIST OF ELECTIVE COURSES

MATH 2014 Linear Algebra II (3-2)4
MATH 3062 Algebra II (3-0)3
SOC 2062 Sociology of Knowledge (3-0)3
SOC 3008 Sociology of Body (3-0)3
SOC 2060 Sociology of Development (3-0)3
SOC 3003 Sociology of Crime (3-0)3
SOC 2078 Modern and Post-Modern Society (3-0)3
SOC 3009 Readings in Sociology of Gender (3-0)3
SOC 2080 Economic Sociology (3-0)3
SOC 4001 The Sociology of Work and Industry (3-0)3
SOC 2084 Political Anthropology (3-0)3
SOC 4009 Readings in Sociology (3-0)3
SOC 2534 Sociology of Art & Culture (3-0)3
SOC 4010 Issues in the Information Society (3-0)3
SOC 2064 Structure and Change in Ottoman Society (3-0)3
SOC 4008 Victimology (3-0)3
SOC 3060 Readings in Rural Development Sociology (3-0)3
SOC 4018 Readings in Migration Studies (3-0)3
SOC 3064 Readings in Urban Studies (3-0)3
SOC 4028 Sociology of the Balkans (3-0)3
SOC 3065 Sociology of Childhood: Youth Culture (3-0)3
SOC 4030 Sociology of the Middle East (3-0)3
SOC 3070 Readings in Sociology of the Turkish Transformation (3-0)3
SOC 4075 Sociology of the Southeast Asia and Far East (3-0)3
SOC 3017 Readings in Philosophy (3-0)3
SOC 4015 Medical Sociology (3-0)3
SOC 3004 Military Sociology (3-0)3
SOC 4016 Special Topics in Sociology (3-0)3
SOC 3007 Sociology of Law and Human Rights (3-0)3
SOC 4006 Conflict Resolution (3-0)3

COURSE DESCRIPTIONS

SOC 1003 Introduction to Sociology I **(3-0)3**

The aim of these introductory courses is to provide students with a general understanding of sociological themes and concepts and the ability to appreciate the differences between sociological and commonsensical ways of thinking about the social world. It enables students to understand the major theoretical models that can be brought to bear in the analysis of social structure, social divisions, social processes and institutions and the significance of current sociological theories, research and debates around the changing nature of contemporary societies.

SOC 1004 Introduction to Sociology II **(3-0)3**

The aim of these introductory courses is to provide students with a general understanding of sociological themes and concepts and the ability to appreciate the differences between sociological and commonsensical ways of thinking about the social world. It enables students to understand the major theoretical models that can be brought to bear in the analysis of social structure, social divisions, social processes and institutions and the significance of current sociological theories, research and debates around the changing nature of contemporary societies.

SOC 1011 Methodology of Social Sciences **(3-0)3**

The course examines issues and methods of social science research. It covers basic aspects of the philosophy of science, the logic of scientific inquiry, methodological traditions and the main approaches to, and the main techniques and methods of social research.

SOC 1012 Methods and Techniques of Social Research **(3-0)**

The course aim to provide the students with the meaning of scientific inquires; principles in social science research, problem defined, conceptualization, hypothesis, various methods of data gathering, research planning and field work. In more specific terms it aims to teach students the essentials of sampling techniques;

and soft techniques of data collection, observation, unobstructive measures, structured and unstructured interviews and depth interviewing.

SOC 1031 Introduction to Anthropology **(3-0)3**

The course provides students with an understanding of the basic concepts, methods and findings of contemporary anthropology in general. It focuses on examining social structure and its relationship to the life in human and non-human primates.

SOC 1032 Social and Cultural Anthropology **(3-0)3**

The course provides students with an understanding of the basic concepts, methods and findings of social and cultural anthropology. The breadth of the field will be explored initially through lectures and readings on human origins, language and archaeological evidence for the multiple evolution of complex social systems. Students will pursue in greater depth, cultural variability in resource use, social organization, economic arrangements, and politics, religion and family structure.

SOC 2011 Urbanization **(3-0)3**

The course aims to provide students with a comparative and historical overview of the nature, causes, and consequences of urbanization. Conceptual debates and major social theoretical perspectives on urban development are critically reviewed. Focus is upon the process of urbanization and an analysis of cities, urban behavior patterns, urban riots, social relationships, and urban problems.

SOC 2020 Rural Sociology **(3-0)3**

The course aims to provide students with a comparative and historical overview of the village as a rural unit. It covers peasantry and social structure; changing social structures in rural population; peasantry in relation to market economy and development; types of peasant production; utilization of labor; modernization of agriculture and state policies; and peasantry in relation to world economy;

and social institutions and stratification in rural society.

SOC 2026 Social Change and Stratification (3-0)3

The course focuses on the comparative and historical study of key theories and debates on social structure, social change and social stratification in agrarian, industrial and post-industrial societies. It deals with social, political and economic processes that influence change and stratification in different societies and regions and studies their effects upon the individual, family, and economic and political institutions.

SOC 2031 Statistical Methods and Computer Applications in Social Sciences I (3-0)3

The course aims to teach students methods in research planning and administration; data processing; analysis and application of statistic, and report writing. Students will learn how to transform certain information into a machine-readable form, and how to use computer package programs such as SPSS; BMDP or SAS. Having acquainted themselves with these skills, students are expected to make inference about data and to learn how to make data "speak" constitutes. Fieldwork is required.

SOC 2032 Statistical Methods and Computer Applications in Social Sciences II (3-2)4

The course aims to teach students methods in research planning and administration; data processing; analysis and application of statistic, and report writing. Students will learn how to transform certain information into a machine-readable form, and how to use computer package programs such as SPSS; BMDP or SAS. Having acquainted themselves with these skills, students are expected to make inference about data and to learn how to make data "speak" constitutes. Fieldwork is required.

SOC 2041 Changes in Contemporary Turkish Society I (3-0)3

The course is designed to develop a sociological description and analysis of social and cultural changes in contemporary Turkish society in a global context. It provides students with a detailed analysis of selected aspects of contemporary Turkish society with particular

emphasis on social institutions and problems associated with them.

SOC 2042 Changes in Contemporary Turkish Society II (3-0)3

The course is designed to develop a sociological description and analysis of social and cultural changes in contemporary Turkish society in a global context. The course aims to enable students to understand the structure of modern Turkey, to apply sociological thinking to current social trends in Turkey and engage in independent analysis and research.

SOC 2051 Sociological Perspectives (3-0)3

The course takes some of the broad theoretical perspectives and explores their contribution to theories of social change, social stratification and power. Students are provided with an understanding of modern conceptions of social reality. Current sociological debates around topics such as identity, ethnicity, nation state, cultural diversity, state and civil society, social movements, modernization, globalization are examined.

SOC 2060 Sociology of Development (3-0)3

The course includes a theoretical and empirical approach to the place of the underdeveloped countries in the world economic systems. It also includes relations with developed regions throughout history and at the present; the consequences for social, political and economic structures

SOC 2062 Sociology of Knowledge (3-0)3

The course provides students with an understanding of structural analysis of the ways in which social structure and relationships influence the products of consciousness. It includes historical and contemporary analysis of the relationship between social structure, on the hand, and knowledge and ideologies on the other.

SOC 2064 Structure and Change in Ottoman Society (3-0)3

The course treats the Ottoman socio-economic system as a historical social formation. It examines the evolution of inherited elements from pre-Ottoman socio-economic structures. It covers the following topics: town and

country contradiction in Ottoman society; economic structure, state and bureaucracy; commodity production and trade; the land regime; stratification; ideology of statecraft within the Ottoman Empire; evolution of Ottoman society vis-à-vis the structural changes in Europe; and social strife in Ottoman society.

SOC 2078 Modern and Post-Modern Society (3-0)3

The course examines both modernism and postmodernism by first presenting prominent sociological theories of modernity and introducing students to postmodern theory through major figures of postmodern theory. The relationship of sociology to modernity and the question of sociology after postmodernism are explored. Practical sociological issues and research are raised in Western and non-Western contexts. The course aims to enable students to put modernism and postmodernism in their context, and relate theoretical issues to real life situations.

SOC 2080 Economic Sociology (3-0)3

The course will introduce students with the interdisciplinary intersection of economics and sociology within the context of the key texts of classical social and economic theorists. The social, institutional and cultural context of the 'economic' categories such as 'market', 'money', 'commodity', 'consumption' 'wealth' will be the primary focus of exploration in the course. Recent debates in the field like 'trust' as the basis of market relations, social organization of capital and so on will also be covered.

SOC 2084 Political Anthropology (3-0)3

The course provides the students with the basic principles of social differentiation and hierarchization. Secondly, it examines the forms of political power in simple societies: gerontocracy, big-man systems, chiefdoms. Thirdly, it studies the emergence of state societies and the political systems of pre-modern empires. Fourthly it covers the following topics: change induced by the ascent of the principles on popular sovereignty and nationalism; political ecology: center and periphery; anthropological aspects of political values and behavior in contemporary societies.

SOC 2534 Sociology of Art and Culture

(3-0)3

From sacred didactic narratives and tools of propaganda to aesthetic objects of reverence and commodities for status acquisition, the arts have enjoyed many roles in society. Employing various sociological perspectives, this course will explore the nature of "art in society" by looking at how art objects are produced, distributed, and consumed.

SOC 3003 Sociology of Crime (3-0)3

Study of processes whereby behavior is defined as crime and persons are identified as criminals. Includes a sociological investigation of agencies of law enforcement, adjudication, corrections and prevention; patterns of criminal behavior; explanations of variations in criminality with emphasis on sociocultural and sociopsychological theories.

SOC 3004 Military Sociology (3-0)3

The course includes a theoretical and empirical approach to civil-military relations. It covers case studies of civil-military relations in selected countries. Moreover, it relates sociology to security studies.

SOC 3007 Sociology of Law and Human Rights (3-0)3

The course proceeds in four closely related segments. The first and largest part covers the scope and methods of the sociology of law; the founders of sociology of law; formal and sociological origins of legal norms; law and social change. The second segment introduces the idea of rights from an historical, philosophical and analytical perspective. The focus is on the Western rights tradition. Other sources of rights, and ideological alternatives to rights, are also considered. The third segment of the course is devoted to the international human rights movement and the international law of human rights, including its origin and theory, the basic international human rights instruments, and remedies under both international and domestic law. The third segment of the course explores selected rights from a comparative perspective.

SOC 3008 Sociology of Body (3-0)3

The course has two major sections: The first section examines the role of the body in social life and sociological approaches to understanding the body. This is an area which has become increasingly important in recent

years both in academic work and in popular culture more widely. For example, why do growing numbers of women and men undertake cosmetic surgery? What are the social and cultural reasons of the rise in eating disorders? What types of norms determine a body to appear as appropriately male or female? What type of activities are undertaken to look female and male? The second section examines the various theoretical stances sociologists take towards medical science and human embodiment.

SOC 3009 Readings in Sociology of Gender (3-0)3

Under the supervision of the instructor in-depth readings in selected areas of gender – social construction of femininities and masculinities will be studied. In order to discuss issues like discrimination and inequalities the students will be required to visit NGOs working on women’s issues and women’s rights.

SOC 3011 Political Sociology (3-0)3

The course aims to familiarize students with the basic themes and research agendas in the field of political sociology. After an intensive coverage of the debates related to the origins of the modern state and different forms of state power, topics such as the impact of various forms of state power on the formation and evolution of ‘varieties of capitalism’, the controversy over the declining role of the nation-state throughout the process of globalization will be addressed.

SOC 3017 Readings in Philosophy (3-0)3

The readings should include early greek philosophy, selected readings of medieval philosophers and learning contemporary philosophical debates.

SOC 3020 Work and Organization (3-0)3

The course focuses on social conditions giving rise to formal organizations; organization s and their settings; dimensions of organization structure; professionalism and white-collar employment; micro emphasis on control and power; macro-societal and historical emphasis; the impact of external and internal factors on organization; and some consequences of organizational structure.

SOC 3031 Sociology of Gender and

Family (3-0)3

The course reviews competing explanations and major theories of gender stratification. In the second part of the course, on the basis of the conceptual understanding developed in the first section, historical development of marriage and family will be examined with an emphasis on the social forces shaping the contemporary family, the relationship between the family and social change, power relationships within the family.

SOC 3041 History of Sociological Thought (3-0)3

The course aims to develop a solid understanding of intellectual origins of sociology. The course systematically and critically analyses classical sociological theories, locating them in their philosophical and historical context, and emphasizing their relevance for the analysis of contemporary societies and their contribution to the contemporary configuration of social thought.

SOC 3042 Social Movements (3-0)3

The course aims to provide students with the intransigence of established social orders and the articulation of popular demands as well as the dynamics of social movements in modernizing and modern societies. It also includes the crystallization of ideologies-of-movements, utopia and revolution and students' movements.

SOC 3051 Sociology of Mass Communication (3-0)3

The course explores the nature of the relationship between mass media and society. It enables the students to understand the role of the mass communication in contemporary societies. It introduces students to the study of media production, media content and media reception which is then situated in recent debates concerning globalization and new communication technologies.

SOC 3052 Philosophy of Social Sciences (3-0)3

The aim of this course is to understand the philosophical foundations of the social sciences. The course gives due attention to specific philosophical questions related to the relationship between the idea of self that emerges in modernity along with the scientific

worldview, on the one hand, and social structures in general, on the other.

SOC 3060 Readings in Rural Development Sociology (3-0)3

The course covers the following topics: international agricultural and rural development; community and regional development; the rural industrialization and labor markets; issues relating to conservation and sustainability; the emergence and nature of so-called 'new' issue-based social movements relating to questions of environment, agrarian policy and political representation; the dynamics of intervention processes, including an analysis of the discourses and practices of intervening institutions such as the state and its agencies, international development bodies, NGOs, and trans-national private enterprises, as well as an understanding of the responses and strategies of local actors and organizations; local and global changes in migration flows and networks resulting from the reorganization of production and work on an international scale and from the process of displacement of rural peoples resulting from social and ethnic strife and violence.

SOC 3061 Sociometry (3-0)3

Sociometry has two main branches: research sociometry, and applied sociometry. Research sociometry is action research with groups exploring the socio-emotional networks of relationships using specified criteria e.g Who in this group do you want to sit beside you at work? Who in the group do you go to for advice on a work problem? Who in the group do you see providing satisfying leadership in the pending project? Sometimes called network explorations, research sociometry is concerned with relational patterns in small (individual and small group) and larger populations, such as organizations and neighborhoods. Applied sociometrists utilize a range of methods to assist people and groups review, expand and develop their existing psycho-social networks of relationships. Both fields of sociometry exist to produce through their application, greater spontaneity and creativity of both individuals and groups.

SOC 3062 Qualitative Methods in Sociology (3-0)3

To learn and apply different types and traditions of qualitative research. Five types/traditions of qualitative research are identified here. Biography, Phenomenology, Grounded Theory, Ethnography, Case Study.

SOC 3064 Readings in Urban Studies (3-0)3

Under the supervision of the instructor in-depth readings in selected areas of urban – urbanization theories, globalization and city will be studied.

SOC 3065 Sociology of Childhood: Youth Culture (3-0)3

The Youth Cultures course will explore the common experiences of being a young person in Turkey, Middle East and Europe today, and will examine the cultural creations: music, fashion, expressions and identities, which youth are creating and recreating.

SOC 3070 Readings in Sociology of Turkish Transformation (3-0)3

The course aims to examine the structural transformation of the late Ottoman society within the context the new global economic order. The course covers following topics in its scope: the Western challenge and the response of the Ottoman state; the Eastern question; from statecraft to govern-mentality; the reform movement and its shortcomings; new social forces within the late Ottoman society; "Jeune Turc" ideology and its roots; ideology in the face of socio-economic reality.

SOC 4001 The Sociology of Work and Industry (3-0)3

The focus of this course is work: how it developed into its present forms; how it is organized; how individuals experience it; and the social relationships and institutional frameworks so essential for it to occur. It examines the work: how it developed into its present forms; how it is organized; how individuals experience it; and the social relationships and institutional frameworks so essential for it to occur. By critically examining key concepts, theories and research findings in the sociology of work and industry, the course provides students with a deeper understanding of the dynamics of change and continuity, the basis for cooperation and conflict, and the varieties of human experiences in the world of work.

SOC 4006 Conflict Resolution (3-0)3

It is a multi-disciplinary course designed to integrate theory, research and practice. First, as an introduction to the field of conflict analysis and resolution, it examines definitions of conflict and diverse views of its "resolution." Explores thinking about human behavior and social systems as they relate to the origins of conflict and the role of conflict in violent and peaceful social change. Considers appropriate responses to conflict at interpersonal, inter-group, industrial, communal, and international levels. Secondly, it examines major social scientific theories of conflict. Emphasis is on the need for theories to inform our ability to resolve conflict. Weaves together ideas from conventional disciplines with new approaches especially to causes of deep-rooted conflict.

SOC 4008 Victimology (3-0)3

The course will examine the incidence, prevalence, and effects of victimization on individuals and groups from such crimes as family violence, rape, street crime, and fraud.

SOC 4009 Readings in Sociology (3-0)3

Periodic offerings of courses on developing topics in this field.

SOC 4010 Issues in the Information Society (3-0)3

The course has three major objectives: provide an introduction to theories and issues surrounding the notion of the information society, from early formulations in the 1970s with the advent of computerization, to current debates and issues about the World Summit on the Information Society (WSIS). Secondly, to study how particular authors theorize and critique technology. Third, it focuses on various ethical and public policy dimensions of the information society, including work and labour, surveillance and privacy, access and the digital divide, democratic uses, and gender issues.

SOC 4011 Contemporary Sociological Theory (3-0)3

The course provides the students with an analysis of the major theoretical models and paradigms in contemporary sociological theory. It focuses on critical analysis of competing paradigms, approaches and theories. It also aims at construction of theories and their relevance for research.

SOC 4012 Turkish Sociologists (3-0)3

The course covers the works of Turkish sociologists including Ziya Gökalp, Niyazi Berkes, Mubeccel Kıray, Bahattin Akşit. It is a comprehensive course that examines the links between studies and their environment. The course answers the following questions. (a) What sub-disciplines have been studied most in Turkish Sociology since 1985?, and (b) Are there significant differences between approaches of the sociologists.

SOC 4015 Medical Sociology (3-0)3

Use of theory and empirical studies to understand the social etiology of disease health practices, practitioners, and institutions, and the special area of mental health. Measurement of health and illness and their social significance. Applications of sociological and social-psychological theories to practitioner-client relationships and interaction. Implications of alternative models of health care provision.

SOC 4016 Special Topics in Sociology (3-0)3

An examination of current problems organized on a lecture-discussion basis.

SOC 4018 Readings in Migration Studies (3-0)3

In-depth readings in selected areas of migration -insight into the relevance of migration in an interdisciplinary and international context- will be studied. The course also aims to understand the perspectives and motives of the actors involved in international migration.

SOC 4028 Sociology of the Balkans (3-0)3

The course covers the study of the ethnic origins of the Balkan people and the historical roots of Balkan culture. It also includes social and cultural change in the post-Cold War era in the Balkan countries.

SOC 4030 Sociology of the Middle East (3-0)3

The course covers the study of the ethnic origins of Middle Eastern people and the historical roots of Middle Eastern culture. Moreover, it focuses on kinship systems and the family; patron-client relationships; and the "honor-and-shame" complex.

SOC 4031 Religion in Society (3-0)3
consciousness in human action. It surveys comparatively and historically the role that religion has played in human society, and explores the interaction between religion and worldwide social change. Other topics include the secularization debate, the concept of civil religion, new religious movements and religious fundamentalism.

SOC 4041 Demography/Population Dynamics (3-0)3
The course introduces the main concepts in population studies, showing how they relate to issues in research, planning and policy development. Topics include contemporary thought on population growth, mortality control, changes in fertility, population mobility, the life cycle, the study of generations and the population dimension of environmental changes and social issues.

SOC 4051 Seminar I (3-0)3
The course aims to cover the substantive research interests, current projects, and research styles of the fourth year undergraduates. It will study major theories and research on large-scale social change and global trends. Important contemporary and historical processes, including the Russian, Chinese, and African revolutions are to be

The course aims to locate the significance of religion in society role of religious focused as well as the current issues in sociology of economic and political change.

SOC 4052 Seminar II (3-0)3
The course aims to cover the substantive research interests, current projects, and research styles of the fourth year undergraduates. It will study major theories and research on large-scale social change and global trends. Important contemporary and historical processes, including the Russian, Chinese, and African revolutions are to be focused as well as the current issues in sociology of economic and political change.

SOC 4075 Sociology of Southeast Asia and Far East (3-0)3
This course provides basic information about the inhabitants of the Southeast and Far East nations of Malaysia, Indonesia, Thailand, Singapore, China, Korea, and Japan. The beliefs, attitudes, and value systems of the people of the Southeast and Far East are studied using some core textbook readings supplemented by feature films, video materials, novels, short stories, and poetry. Class discussions focus on interpreting these works of art in the context of comparative sociological analysis of the Malaysian, Indonesian, Thai, Singapore, Chinese, Korean, and Japanese cultures and societies.