



ISTANBUL GELISIM UNIVERSITY

COURSE CATALOG

**INNOVATIVE AND
SPECIALITY COURSES**

INNOVATIVE COURSES

Innovative Courses mainly focus on the 21st century competencies with the aim of helping students catch the era and gain access to knowledge, skills and competencies in various disciplines.

Innovative Courses survey the fields that will meet the interests and needs of students in order to prepare them to catch up with the 21st century skills.



FUTURE TECHNOLOGIES

Course Code:
YSD301E

Instructor(s):
Assoc. Prof. Dr. Shehzad Ashraf

Units of Credit:
3 Units

Course Description

This course surveys the emerging technologies. It further provides an in-depth understanding of smart devices, internet of things, cloud computing, video streaming services, digital transformation, business intelligence artificial intelligence and machine learning.



MULTIDISCIPLINARY PROJECT

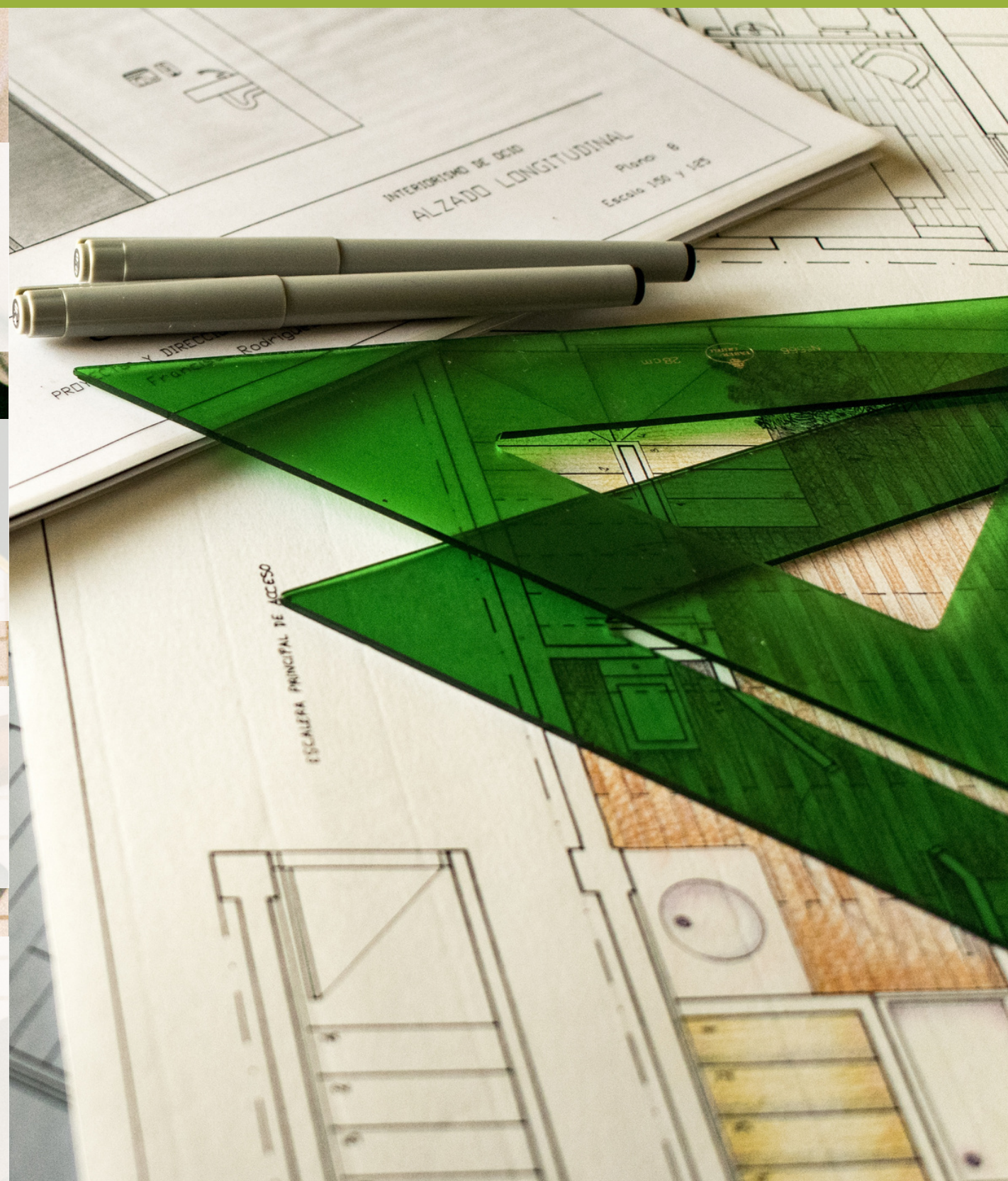
Course Code:
YSD302E

Instructor(s):
Prof. Dr. William Mosier

Units of Credit:
3 Units

Course Description

This course surveys the technologies of future. The aim of the course is to have students gained a critical and historical perspective on basic issues related to daily life as in the city, ecology, food, energy and technology with an interdisciplinary approach. Students are expected to submit two different projects regarding the past, present or foreseen future in the context of the skills possessed.



COMMUNICATION ART: COMMUNICATION AS A LIFE SKILL

Course Code:
YSD308E

Instructor(s):
Dr. Tariq Hassan Mahmoud Elhadary

Units of Credit:
3 Units

Course Description

In this course, students will be provided with the principles and techniques of effective communication. This course explores key principles of effective communication, professional communication, public speaking, communicating effectively within groups, "I" messages and "you" messages.



FOOD WORKSHOP

Course Code:
YSD309E

Instructor(s):
Dr. Sema Aydın

Units of Credit:
3 Units

Course Description

This course enhances the student's awareness of the food. In this course, students will create a recipe book, share food and recipes with their peers, practice food preparation techniques. This course also allows students to further their understanding and application of food.



CREATIVE WRITING: HOW TO WRITE EFFECTIVELY

Course Code:
YSD313E

Instructor(s):
Dr. Oliver David Bevington

Units of Credit:
3 Units

Course Description

This course emphasizes the use of effective grammar, punctuation, sentence and paragraph structure in writing. The major emphasis in this course will be presenting the key aspect of writing and improving the college-level writing skills of students. It further presents editing, structure, organization, drafting and revising.





SPECIALITY COURSES

Speciality Courses survey 7 different course modules each of which aims at gaining knowledge, skills, and competences in various fields. Students who take at least two courses from the same area of specialization and who are successful with a letter grade of at least "CC" will be given a certificate of specialization in the relevant field and these courses will be attached to the diploma.

DESIGN CLUSTER

PLACE, TIME AND DESIGN

Instructor(s): Dr. Ilke Ciritçi

Course Code: DES401E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course provides students with the knowledge of 'space'. Students are expected to think about space beyond time, to consider it from a broader perspective, to think about the spaces of the future and to generate ideas. Another aim of the course is to provide students with the representation methods of the spaces they designed with their ideas.

FROM IDEAS TO PRODUCT: INNOVATIVE DESIGN

Instructor(s): Dr. Çağla Arıker

Course Code: DES402E

Course Credit: 3 Credits

Prerequisite: None

Course Description: The course content includes the planning process of an innovative product from the idea stage to the design stage. In this context, the main subjects of the course are determined as defining the target customers, determining their needs, designing a product that meet these needs, determining the brand, price, distribution and communication strategies. For this purpose, students will be asked to prepare their business plans by thinking as an entrepreneur, to prepare and present a strategic marketing plan for a new product they will develop.

BEHAVIOUR CLUSTER

BRAIN AND BEHAVIOUR: HOW THE BRAIN MAKES DECISIONS

Instructor(s): Dr. Aman Sado Elemo

Course Code: BEH401E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course is a detailed study of decision making processes in the brain. Areas covered are cognitive process models and explanations of decision making, perspectives and emotions in personal decision making, theoretical conceptions of framing effects in risky decisions, spontaneous decision-making.

THE RELATIONSHIP OF ARTIFICIAL INTELLIGENCE WITH BEHAVIOUR

Instructor(s): Dr. Serkan Gönen

Course Code: BEH402E

Course Credit: 3 Credits

Prerequisite: None

Course Description: The primary emphasis of this course is on human intelligence. It is designed to use smart techniques for smart devices. For example, using a machine more to solve plan or integral calculus problems, doing more than the capacity to be done for the problem, and more is also taken care of. The course will examine the positive and negative, negative and unethical effects of artificial intelligence on human beings.

POLITICAL BEHAVIOUR AND SOCIAL IDENTITY IN DIGITAL AGE

Instructor(s): Dr. İdlir Lika

Course Code: BEH403E

Course Credit: 3 Credits

Prerequisite: None

Course Description: The main aim of this course is to evaluate the social identity perspective, the psychology of social influence, minority influence, rethinking groupthink, implications for politics, the importance of group norms, the psychology of political leadership in terms of digital era. The course further surveys "fake news," propaganda, and conspiracy theories.

ABNORMAL BEHAVIOUR: HOW TO IDENTIFY PROBLEMATIC BEHAVIOUR

Instructor(s): Dr. İshak Saygılı

Course Code: BEH404E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course presents an overview of the features of abnormal psychology. This course covers concepts of abnormality, mental disorders and causes of mental illness, mood disorders, anxiety disorders, stress-trauma related disorders and schizophrenia spectrum disorders.

INNOVATION CLUSTER

THE ART OF NETWORK COMMUNICATION IN MANAGEMENT

Instructor(s): Assoc. Prof. Dr. Sezer Cihan Günaydın

Course Code: INN401E

Course Credit: 3 Credits

Prerequisite: None

Course Description: From the perspective of management and organization and organizational behaviour, this course's basic aim is to increase knowledge, skills and abilities of students about managerial and leadership skills. Individual, group and organizational factors affecting managerial success is discussed and the strategies to develop communication networks for this purpose is given. Successful managers of the sector also participate in the lectures to share their experiences. Students also make field research, qualitative studies together with top level managers and upper-echelons regarding managerial success.

INNOVATION AND TECHNOLOGY: HOW TO THINK INNOVATIVE

Instructor(s): Dr. Aslı Diyadin Lenger

Course Code: INN403E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course is designed to discuss the topics that start with the question what is novelty and it will continue with the topic metaverse. There will be a project to be presented by students.

FROM INNOVATION TO ENTREPRENEURSHIP: WHY IT IS THE SKILL OF THE FUTURE

Instructor(s): Dr. Emrah Doğan

Course Code: INN404E

Course Credit: 3 Credits

Prerequisite: None

Course Description: The study of the impact of the knowledge economy and innovation on economic development and competitiveness, the analysis and discussion of innovation indicators to increase global competitiveness are the main content of the course. It also aims to evaluate the performance of selected countries in terms of entrepreneurship and innovation through the theoretical link between entrepreneurship and innovation.

MULTICULTURALISM CLUSTER

CULTURAL PSYCHOLOGY: CULTURE'S INFLUENCE ON BEHAVIOUR

Instructor(s): Dr. Esra Savaş

Course Code: MUL401E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course offers an introduction to the cultural and multi-cultural patterns of life on the psychology of people. Major topics covered in this course include the patterns and behaviors within and across cultures, identity, conformity to group norms, self-perception, personality traits, stress, survival, and resilience.

UNDERSTANDING CULTURAL DIFFERENCES: COMMUNICATING ACROSS CULTURES

Instructor(s): Dr. İlknur Türkoğlu

Course Code: MUL402E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course is designed for developing communication skills between different cultures based on the definitions of concepts such as culture and cultural differences.

WAYS TO MANAGE STRESS AND AVOID CONFLICT

Instructor(s): Dr. Yücel Yılmaz

Course Code: MUL404E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course is designed to improve the student's knowledge in intercultural communication skills, conflict and stress management and how to resolve conflict in a positive manner.

METACOGNITIVE THINKING CLUSTER

LEARNING AND MEMORY: WHAT IT IS AND WHAT IT IS NOT

Instructor(s): Aylin Aydın

Course Code: MET401E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course provides an understanding of the processes in mind and is designed to mainly introduce the steps to learning. The curriculum includes development of basic skills in the areas of cognitive psychology specifically in learning, memory and behavioral correlates of neuronal activity.

DECISION MAKING AS A LIFESKILL

Instructor(s): Prof. Dr. William Mosier

Course Code: MET402E

Course Credit: 3 Credits

Prerequisite: None

Course Description: Decision-making is an essential life-skill. A "Life Skill" is an ability you need to make the most out of life. Learning how to make informed decisions is a skill that can lead to more efficient and effective problem-solving for the important decisions you face in life. This course expands students' knowledge of decision making.

COMPLEX PROBLEM SOLVING SKILL METHODS

Instructor(s): Dr. Esra Savaş

Course Code: MET403E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course familiarizes the student with the steps to be taken against problems. Students will mainly gain knowledge in decision making processes and methods, implementing these decisions, problem solving methods. Additionally, key cognitive skills are expected to improve including recognising and applying creative problem solving techniques.

ADAPTABILITY SKILL: HOW TO IMPROVE COGNITIVE FLEXIBILITY

Instructor(s): Dr. Aman Sado Elemo

Course Code: MET404E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course introduces the students to adaptability, resilience, building self-awareness, how to work well with others, how to communicate effectively, how to set goals. The main focus of the course is to introduce cognitive flexibility which is the ability to switch between two different concepts simultaneously.

LITERACY CLUSTER

FINANCIAL LITERACY: WHAT IT IS AND WHY IT MATTERS

Instructor(s): Dr. Tuğba Baş

Course Code: LIT401E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course aims to provide students with the ability to understand the basic financial concepts, the operations and activities of financial markets, such as money and capital markets, the types of financial instruments traded in these markets, valuation and pricing, and to gain knowledge and competence in financial mathematics in the content to support this information.

POLITICAL LITERACY: POLITICS IN DIGITAL ERA

Instructor(s): Assoc. Prof. Dr. Annamaria Csiszer

Course Code: LIT402E

Course Credit: 3 Credits

Prerequisite: None

Course Description: The course aims to be an innovative one in the field of political science, designed for non-experts wanting to gain insight into current trends of political literacy. The course examines the debates on political behaviour that are most visible in scholarly literature and practical experience. The debates on mass belief systems and communication are first examined, followed by modernization and democratization of the political culture, reflecting on the changes that occurred due to digitalization. Political participation, voting behaviour, the psychological aspects of decision making are also considered with the help of case studies, simulations, group works and discussions as part of political literacy.

MEDIA LITERACY: UNDERSTANDING THE MEDIA AND ITS MESSAGES

Instructor(s): Dr. Aysun Kaya

Course Code: LIT403E

Course Credit: 3 Credits

Prerequisite: None

Course Description: The aim of this course is to access, analyze, evaluate and communicate the process of creating and interpreting media in a variety of forms. The areas covered in this course are Mass Media, Social media and media messages.

TECHNOLOGY LITERACY: TECHNOLOGY IN EVERYDAY LIFE

Instructor(s): Dr. Elham Pashaei

Course Code: LIT404E

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course concentrates on how to use technology effectively. The course will further illustrate how to use it safely and effectively and implement their knowledge about technology in academic and professional life.

LANGUAGE CLUSTER

LEARNING ENGLISH THROUGH MOVIES

Instructor(s): Pinar Aslan

Course Code: ENG401

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course helps students explore the English language over movies. Students will analyze the fundamentals of movies with the aim of improving their English skills. Movie examples will be shown in class for comparison and discussion.

ACADEMIC WRITING WORKSHOP

Instructor(s): Pinar Aslan

Course Code: ENG402

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course is intended especially for having students developed writing as a core aspect of academic and professional practice. Students will further increase their vocabulary and academic writing skills. The course requires classroom work, and homework.

LEARNING ENGLISH THROUGH DRAMA

Instructor(s): Neslihan Kara

Course Code: ENG403

Course Credit: 3 Credits

Prerequisite: None

Course Description: With this course, students will have the opportunity to practice conversational English in small, supportive groups with drama. Students will be practicing English vocabulary and phrases in various scenarios.

ENGLISH FOR CAREER DEVELOPMENT

Instructor(s): Neslihan Kara

Course Code: ENG404

Course Credit: 3 Credits

Prerequisite: None

Course Description: This course is designed to review vocabulary and phrases in business context. This course further emphasizes the use of effective grammar, vocabulary, sentence and paragraph structure in writing e-mails, short business reports and other business documents.

$$2\pi f \quad \beta = \frac{\Delta L_c}{\Delta L_b} \quad v = c/\lambda$$

$$= \frac{v_2}{v_1} = \frac{\omega_2}{\omega_1} \quad v = \frac{c}{\sqrt{\epsilon_r \mu_r}}$$

$$E = mc^2$$

$$\vec{F} d \cos \alpha$$

$$F_v = \left\{ \frac{F_n}{R} \right. \quad x^* T = 6$$

Slip g

$$F_g = \frac{m_1 m_2}{r^2}$$

$$E = \frac{E_c}{c}$$

$$\cos(v_1 - v_2) \sin(v_1 + v_2)$$

