

Specialized Courses Begin With Innovative Course Contents and Applications.

Successful students who do not have an undergraduate failed course, will be entitled to receive a specialist certificate when graduating with the Behavioral Sciences Specialization and Design Specialized courses, which are offered by the IISBF, UBYO and SBYO faculties. Students who successfully complete 3 courses in the Behavior or Design specialization area will receive a specialization certificate. Do not forget to make your course registration via OBIS in order to benefit from the limited quota.

Behaviour Area of Concentration

Artificial Intelligence and Behaviour

This course aims to take the students in an adventure to explore different sciences and fields of engineering and the impact of those fields in a social life, besides show the impact of the new field in human behavior. To target non computer-based students, the course will explain the technologies without explaining the internal design and the used. The students will explore the technologies through understanding the mechanism and without explaining any internal details. To give the students opportunities to improve their understanding several videos and real examples will be discussed in the lecture.

Course contents;

Introduction in Human behavior, Definitions- Behavioral sciences, Definitions -Human behavior
Finance Behavior, Political Behavior, Nations types , Computers in Human behavior

Engineering Sciences, Definitions and Types, Combinations between engineering fields
The impact of Engineering sciences in life, The impact of Engineering in jobs
The impact of engineering in country developing and developed countries

Artificial Intelligence History, Supervised, unsupervised learning, Reinforcement learning Applications,
Types of AI, Case Studies.

Artificial Intelligence, Clustering Models, Prediction Models, Forecasting Models, Reinforcement
learning, Case Studies, Main certificate in AI, Jobs in AI

Networks, Grid, Cloud and Quantum Computing, Introduction- Internet vs intranet, Advantages and
disadvantages, The impact of the network's technology in human life, Artificial intelligence and
improving the network systems. Main certificates in the network and jobs in the network, grid, cloud
and quantum computing, Case Study

Mobile Wireless Sensor Network, The importance of using Mobile and static wireless network
Artificial intelligence and improving the Mobile wireless sensor systems, Jobs in Mobile wireless
network, Case study

Internet of Things, The impact of IOT in life, Artificial intelligent in IOT, Case study, Jobs in IOT

Video Games, History of Video games, Principles of video games, Using AI in video games
The impact of AI in video games, Jobs in Video game.

Social Media, Types of the social media, The impact of Social media in life, Case Study, Jobs in Social media

Big Data, Data types, Analyzing of big data, The impact of big data analysis in life, The impact of AI in Big data analysis, Case study, Jobs in big data

Simulation, why to build a simulation environment, Using Artificial intelligent in Simulation Case Study, Jobs in Simulation

Image Processing and Computer Vision, Examples and Case Studies, The Impact of Image Processing and Computer Vision in Life, AI in Robot /Robot Case Study, Jobs In Image Processing And Computer Vision- Robotics

Payment Models, AI in Payment system, The Impact of new in Life, Case Study- Blockchain Jobs In Payment systems

Security, Viruses Types, Anti-Viruses' Types, Hacking Types, How to Launch and Trace an Attack The Impact of Security In Life, AI in Security models / Case Study, Main Certificates in Security / Jobs In Security

Ecological Psychology

Ecological psychology is a somewhat new discipline that seeks to blend the principles of psychology with those of ecology. Ecopsychologists believe that the damage humans do to themselves and to nature stems from a spiritual and psychological separation from nature. Ecological psychology is an attempt to understand how the human mindset brought about an environmental crisis and how humans relate to that crisis. Ecological psychologists also work toward helping people recover their ability to care for the earth and for each other.

Ecopsychology presents a challenge to the human-centric mainstream approach to psychology, and it also challenge students to approach ecology from a humanist standpoint. It looks at the relationship between people and their physical surroundings. Ecological psychology can also be defined as the study of human behavior and the human experience from spiritual, political and physical standpoints so as to construct a sustainable world.

Course contents;

Ecological Psychology: Historical Contexts, Current Conception, Prospective Directions

What on Earth Are We Doing? The Nature of the Problem, Biology's Bottom Line: Carrying Capacity Climate Change, Other Resource Issues, Psychological Reactions to Environmental Threats The Psychology of Overconsumption

The Nature of Western Thought, The Intellectual Roots of the DSP and Psychology, The Western View of Nature

Assumption 1: Nature is Composed of Inert, Physical Elements

Assumption 2: Nature Can and Should be Controlled

Assumption 3: Individual Human Beings Seek Private Economic Gain

Assumption 4: We Must Progress The Nature of Nonindustrialized Thought

Psychoanalytic Psychology: Becoming Conscious of the Unconscious, The Basis and Basics of Freud's Theory, Object Relations Theory: Reexperiencing the Mother, Excessive Early Demands, Attention Withdrawn Too Early, The Psychoanalysis of Environmentalists, Conclusions

Social Psychology: Under the Influence of Others, Norms, Personal Norms and Environmental Justice Altruism, Morality, and the Values, Norms Theory, Theory of Planned Behavior, Cognitive Dissonance Theory, Who Cares About the Environment? The Social Psychology of Materialism The Unhappy Results of Materialism, Materialism and the Economy, Conclusions

Behavioral Psychology: Contingency Management, Operant Conditioning, Antecedent Strategies: Changing the SDs, Consequence Strategies: Changing the SRs, Behavioral Self-Control, Limitations of the Behavioral Approach, Forgoing Freedom, Conclusions

Neuropsychology of Toxic Exposures, Neurodevelopment, Neurodevelopmental Disabilities, Cognitive and Attentional Impairments, Autism, Behavioral and Motor Problems, Psychosocial and Psychiatric Disorders, Toxic Effects in Adults, Accelerated Aging, Parkinson's Diseases, Reproductive Abnormalities, Establishing Cause and Effect: A Research Nightmare, The Costs of Neurotoxins, Building the Perfect Beast: The Irony of Pesticides, Behavioral Solutions, Conclusions

Cognitive Psychology: Information Processing, Information Processing Models, The Computer Revolution, Additional Constraints on Information Processing, Using Cognitive Psychology to Solve Environmental Problems, Risk Assessment: Whose Quantification Problem Is It? The Role of Emotions in Judgment of Risk, Retaining a Voice, Conclusions

Health and the Psychology of Environmental Stress, Stress, Stress-Associated Health Risks, Urban Living, Noise Pollution, Climate Change, Weather and Air Pollution, Environmental Toxins, Why Do People Choose Stressful Behaviors and Environments? Solution Approaches: Strategies for Reducing Stress, Restorative Environments, Wilderness Therapy, Green Urban Planning, Green Buildings, Conclusions

Developmental Psychology: Growing Healthy Children in Nature, Indoor Children, Benefits of Nature Cognitive Development and Reasoning Skills, Moral Development, Mental Health, Children and Animals, Fostering Proenvironmental Behaviors in Children, Environmental Education, Conclusions

Holistic Approaches: Gestalt and Ecopsychology, Gestalt Psychology, Laboratory Confirmation: Group Effects in Social Dilemma Games, Gestalt Therapy, Mindfulness, The Ecological Self: The Self Beyond the Self Ecopsychology, Evaluating Ecopsychology: The Measurement Problem, Biodiversity from an

Ecopsychological Perspective, Emotional Dimensions of Ecopsychology, The Eco psychology of Place
Conclusions

Putting it Together: Using Psychology to Build a Sustainable World, Comparing the Approaches:
Psychological Insights, Visualize an Ecologically Healthy World, Work with Big Ideas and Small Steps
Practice Conscious Consumption, Act on Personal and Political Levels, Especially Local Community
Participation, Conclusions, The Cost of Inaction

Personal Space in a Digital Age

The Future; On to Mars

Political Behaviour and Social Identity

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 politics. The aim of the course is to draw attention on the properties and characteristics of political citizens. To show students politics under construction.

Course contents;

Factors Determining Political Behavior; Emotions, Attitudes, Behaviors, Political Culture, Perception regarding with the Political System and Political Participation

Personality, Identity, Social Identity and Politics

The Development of Political Behavior: Political Socialization Processes and Institutions

Psychology of Groups and Social Movements, New Social Movements in Digital Age

Voting Behavior Theories (Psychological, Sociological, Rational Approaches)

New Voter Profile and Voter Behavior,

Examples of Manipulation in Voting Behavior, Brexit, D. Trump's Campaign

The Great Hack (Watching movies)

Political Communication, Political Behavior, New Media and Social Media

Presentation of a Voter Surveys: A Field Research

Visit to a Research Company

An Example of a Successful Digital Political Campaign: Barack Obama

Political Participation in The Digital Age; (Ordinary and Unusual Political Participation Difference)

Unusual Examples of Political Participation: Invade Wall Street, Gezi Park, Arab Spring

The Art of Network Communication in Management

The aim and purpose of this specific course is to make develop the networking abilities of students and to make learn the techniques of to conduct, to keep, to mantain and to develop their social networks for the success of their future managerial careers by using interactive and innovative techniques.

Course contents

1 - 4 th Weeks: Theoretical basis and literatüre about networking and communication

5. -6. th Weeks: Performance of Movies, you tube videos and TED Talks about networking and communication abilities in Professional life.

7-10 th Week: Project Presentations of Students (Students are going to do field research through semi-structured interview techniques with professional managers or top level managers about their networking ability.

11, 12, 13. &14. Mini conferences about Networking

Prospected Guest Speakers:

İbrahim Haşim İnal, Verizon Turkey GM

Aydın Sosyal, Lead Change Turkey Representative

Prof. Dr. Mustafa Akan (Banking Sector, Assistant GM)

Dr. Sibel Bilkay, Academician and the writer of Networking Ability Doctoral Dissertation.

Innovative Courses

Future Technologies

A number of the current jobs are under the threat of automation. The automation is considered to take way human tasks and may create joblessness. The aim of the course is to enlighten the future job trends and to provide a guide for the students to mend their ways as per the technology. The course will comprise of mixed lectures, labs, workshops and industry visits.

Course Contents

Obsolete Employments, role of society and government

Internet of Things Application Scenarios and Opportunities

Practical demonstration of IoT Scenario

Renewable Energies (Sources and future endeavors)

Industrial/Scientific Visit

Role of Artificial Intelligence in daily life

Post Big Data scenarios and countermeasures

Data Mining

Cryptography: Importance and modern application

Application scenarios of Block Chains

The bankless bank: Cryptocurrency

Lab work

Case Studies: Vehicular Adhoc Networks/Remote Health Monitoring

Rhetoric and Leadership

Course Contents;

The High-Potential Challenges

- Do you really want to be a leader?
- What blend of Management and leadership Mindset is best?
- How You had leadership conversation today?
- Where do you stand on the leadership ladder?

Conversations to build relationships

- Learn the new rules
- Your relationships define you
- Know your strengths and their shadows
- People aren't machines
- Don't let them assume they know you're thinking
- Embrace difference

Conversations to develop others

- The battle for talent
- The challenges of leading other high potentials
- Conversations You must have
- What gets in your people's way?
- Recognition-Making it worthwhile

Conversations to make decisions

- Develop your Judgment gene
- What you know is irrelevant
- Be curious-Ask questions
- If you can't change, retire

Conversations to take action

- Moving smoothly into Action
- Planning successful actions
- When things change
- Lessons from Success and failure
- Inspiring people in turbulent times