

BALIKESIR UNIVERSITY
FACULTY OF APPLIED SCIENCES
UNIVERSITY ELECTIVE COURSE INFORMATION FORM

Department / Program		Finance and Banking			
Course Title		Logic Games and Financial Thinking			
Semester		Fall ☒		Spring ☐	
Language of Instruction		Türkçe ☒		İngilizce	
Course credits		Theoretical 2		Practical 0	
				Total credits 2	
ECTS Credits		3			
Type of Education		Formal Education			
Course Objective		To enable students to apply logical thinking and analytical decision-making skills in the field of finance and banking.			
Course Content		Logic games, problem-solving techniques, financial decision-making, risk analysis, and case studies.			
Prerequisites		none			
Instructor(s)		PROF.DR.SEVGİ SEZER mail :sevgi.sezer@balikesir.edu.tr			
Teaching Assistants		none mail :			
Internship Status		none			
Course Resources		The course will utilize resources such as books on logic and reasoning, collections of intelligence and logic games, and academic publications on problem-solving techniques. Additionally, fundamental sources related to finance and banking—including financial analysis, investment decisions, risk management, and behavioral finance—will be used. Supporting materials will include lecture notes, case analyses, and up-to-date academic articles. Digital platforms such as Investopedia, reports from the Central Bank of the Republic of Turkey (CBRT), and Khan Academy will also be utilized.			
Course Structure		100% Theoretical			
Planned Learning Activities and Methods		The course will be supported by theoretical instruction, applied problem-solving exercises, individual and group activities based on logic games, financial case analyses, discussions, and brainstorming techniques. To enhance students' analytical thinking and decision-making skills, case studies, quizzes, assignments, and projects will be used. In addition, question-answer methods and interactive practices will be implemented to encourage active participation in class.			
Assessment Criteria & Workload		Workload Details:			
Activite	Number	Contribution (%)	Workload	Number Time	Total Workload(Hours)
Midterm Exam	1	%40	Course Duration	14 2 hours	28 hours
Quizzes			Independent Study	14 weeks 4 hours	56 hours
Assignments			Midterm Exam Preparation	1 weeks 1 hours	1 hours
Attendance --			Final Exam	1 weeks 1 hours	1 hours
Practice			Assignment		
Project			Project	1 weeks 8 hours	86
Final Exam	1	%60	ECTS Credits	3 ECTS	

Learning Outcomes	• Improves problem-solving ability • Analyzes financial decision-making processes • Evaluates risk and uncertainty • Approaches banking problems logically
Course Topics	

Week	Topic	Preparation	Materials
1	Fundamentals of Logic	Examination of basic concepts	Lecture notes, introductory logic book
2	Reasoning	Examination of reasoning examples	Logic questions, worksheets
3	Logic Games	Solving basic logic games	Logic game books
4	Numerical Logic	Solving numerical problem examples	ALES/GMAT questions
5	Verbal Logic	Preparation for verbal reasoning questions	Test books, lecture notes
6	Problem Solving	Examination of problem-solving techniques	Academic articles
7	Financial Decision Making	Pre-reading of financial concepts	Finance books
8	Midterm Exam	General review	Lecture notes
9	Risk Analysis	Research on the concept of risk	CBRT reports
10	Banking Applications	Examination of the banking system	Banking books
11	Case Analysis	Examination of sample cases	Case studies
12	Strategic Thinking	Strategic decision examples	Academic resources
13	Practice	Review of previous topics	Lecture notes
14	General Review	Review of all topics	Summaries