Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
G339	Muhasebede Dijitalleşme	5	3	0	0	3	5

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Elective
Course Level	Bachelor Degree
Objective	- This course aims to provide students with an understanding of the digital transformation of accounting information systems and to equip them with the technical knowledge and skills required for processing, analyzing, and reporting financial data in digital environments. In addition, it seeks to develop students' analytical perspectives, enabling them to evaluate the impact of digitalization on the accounting profession.
Content	-Accounting Digitalization and Digital Transformation Process The concept of digitalization in accounting and the digital transformation process Structure and operation of Accounting Information Systems (AIS) Electronic document applications (e-Invoice, e-Ledger, e-Archive) Cloud-based accounting systems Automation in accounting and Robotic Process Automation (RPA) Big Data and data analytics applications The use of Artificial Intelligence (AI) and Machine Learning in accounting Blockchain technology and its impact on accounting Digital auditing and continuous auditing systems Cybersecurity and data privacy Digital tools in financial reporting processes The impact of digitalization on the accounting profession Ethics, data security, and legal regulations.
References	

Theory Topics

Week	Weekly Contents
1	Introduction and Basic Concepts
2	Challenges of Digitalization in Accounting
3	The Digitalization Process of Accounting
4	Data and Big Data Concepts
5	Types of Data Analytics
6	Data Analytics in Financial Accounting
7	Data Analytics in Management Accounting
8	Data Analytics in Auditing
9	Strategic Management Accounting and Analytics
10	The Impact of Artificial Intelligence and Automation on Accounting
11	Blockchain and Accounting
12	Data Security and Ethics
13	Future Perspectives
14	General Evaluation