




1. Course Identity			
Course Name	Digital Finance		
Faculty	Business and Economics	Study program	Management
Code	SEM946	Credits weight	3
Group	Study program	Type of Course	Elective
Semester	6	Availability	Limited to Study Programs
Learning Method	Classroom Session	Media	Blended
Course Cluster	Specialization Elective Courses (MKPP)	Prerequisite	Financial Management

2. Course Description
<p>This course discusses the development and scope of digital finance in the financial industry, institutional and regulatory aspects of digital finance, financial digitization practices in various business functions in the financial industry as well as technology infrastructure supporting digitization of services in the financial industry. This course is aimed to assist students in analyzing issues and potential developments in the future of digital finance.</p>

3. Learning Outcomes			
CPL Codes	Formulation of Graduate Learning Outcomes (CPL)	CPMK Codes	Formulation of Course Learning Outcomes (CPMK)
S1	To be devoted to God the Almighty and develop a virtuous noble character	M1	Students are able to recognize and understand the development and scope of digital finance in the financial industry (S1 & S2).
S5	To appreciate the diverse cultures, views, religions, and beliefs and opinion or findings of others		
PP4	To master the concept of research methods, including case studies, historical, surveys, simulations, and experiments in qualitative and quantitative scope, exploratory, descriptive and verification and able to implement at least 1 research method	M2	Students are able to understand various aspects of digital financial institutions and regulations (PP4 & KU1).
KU1	To understand and implement theoretical concepts, methods and analytical tools of management functions (planning, implementation, directing, monitoring, evaluation, and control) and organizational functions (marketing, HR, Operations, and Finance) in different types of organizations		
KU2	To contribute in the preparation of the organization's strategic plan and interpret the strategic plan into organizational operational plans at the functional level	M3	Students are able to understand the practice of financial digitization in various business functions in the financial industry (KU2 & KU3).
KU3	To identify managerial issues and organizational functions at the operational level, as well as take appropriate action based on developed alternatives, by applying entrepreneurial principles rooted in local wisdom		
KK1	To recognize and observe management problems through empirical studies and modeling using scientific methods based on management science, in various types of organizations	M4	Students are able to understand the concept and application of technology infrastructure to support digitization of services in the financial industry (KK1).
KK3	To see opportunities quickly and dare to take risks responsibly to provide optimal benefits	M5	Students are able to analyze issues and potential developments of the future digital finance (KK3).

4. Learning Materials and Main References

Learning Materials	<ol style="list-style-type: none"> 1. Financial Innovation 2. Digital Finance 3. Theoretical Foundation: Digital Finance vs Traditional Finance 4. Institutional Aspects of Digital Finance: Fintech Companies, Environment, Prospects and Potential Issues 5. Regulatory Aspects of Digital Finance: Fintech Company Regulation, Regulatory Revolution 6. Digital Finance Business Functions: Digital investment, digital finance, digital insurance, Digital financial advisors and consultants 7. The Business Functions of Digital Finance: Digital currency, digital payment 8. Digital Finance Infrastructure: Block chain and cryptocurrency ecosystem 9. Digital Finance Infrastructure: P2P, Crowdlending & Crowdlending Technology 10. Digital Finance Infrastructure: Big Data Analysis & Artificial Intelligence
Main References	<ol style="list-style-type: none"> 1. Beaumont, P. H. (2019). Digital Finance. Milton: Taylor and Francis. 2. Phadke, S. (2020). FinTech Future. New Delhi: SAGE Publications. 3. Lee, D., & Deng, R. (2018). Handbook of blockchain, digital finance, and inclusion. Volume 1, Cryptocurrency, FinTech, InsurTech, and regulation. London, United Kingdom; San Diego, CA, United States: Academic Press is an imprint of Elsevier. 4. Lee, D., & Deng, R. (2018). Handbook of blockchain, digital finance, and inclusion. Volume 2, ChinaTech, mobile security, distributed ledger, and blockchain. London, United Kingdom; San Diego, CA, United States: Academic Press, an imprint of Elsevier. 5. Chen, C., & Lin, S. (2018). Constructing the risk management framework in sharing economy industry: A case study on a C2C fintech company. <i>Journal of Accounting, Finance & Management Strategy</i>, 13(2), 23-48. 6. Gomber, P., Koch, J., & Siering, M. (2017). Digital finance and FinTech: Current research and future research directions. <i>Zeitschrift Für Betriebswirtschaft</i>, 87(5), 537-580. doi:10.1007/s11573-017-0852-x 7. Cocco, L., Pinna, A., & Marchesi, M. (2017). Banking on blockchain: Costs savings thanks to the blockchain technology. <i>Future Internet</i>, 9(3), 25. doi:10.3390/fi9030025

Date: February 10, 2021	Date: February 04, 2021	Date: February 01, 2021
Approved by the Dean	Examined by the Head of the Study Program	Prepared by:
		
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