

1. Course Identity			
Course Name/Block	Technology and Innovation Management		
Faculty	Business and Economics	Study Program	Management
Code	SEM221	Credits	3
Group	Study Program	Enrollment	Compulsory
Semester(s) in which the course is taught	2	Availability	Limited within Study Program
Learning Method	Classroom Learning	Media	Blended
Category	Supporting Course (MKPD)	Prerequisites	Management Science and Art




2. Course Description
<p>Innovation and Technology Management (ITM) is an issue encountered by all companies in the present time. Various changes in the business environment, including new technology and innovation, have forced industries and companies to find a new way to compete and survive. To deal with such changes, the business sector must find a way to manage innovation and technology. Therefore, the ITM course aims to provide students with knowledge regarding the changes and how to manage and develop innovation and technology strategies to win the competition. Once this course has been completed, students expectedly have a comprehensive understanding of how an organization should design, manage, and formulate innovation and technology strategies.</p>

3. Learning Outcomes (CPL)			
CPL Code	CPL	CPMK Code	CPMK
S1	Being devoted to God Almighty and having a good moral character	CPMK 01	Being able to identify and formulate innovation strategies within the scope of information technology
S3	Internalizing values, norms, and ethics that prioritize integrity, honesty, responsibility, and trust in carrying out the profession		
KU3	Having the ability to identify managerial problems and organizational functions at the operational level, and take appropriate measures according to the developed alternatives, by implementing local wisdom-rooted entrepreneurial principles		
KU4	Being able to make the right managerial decisions in various types of organizations at the operational level, according to data and information analysis on organizational functions		
S6	Being able to enjoin right and forbid wrong to improve the quality of life of the society, nation and state as well as civilization	CPMK 02	Understanding management for innovation processes
PP3	Mastering at least one international language		
KK4	Having the ability to think "out of the box" in implementing the value of perfection in accordance with the Islamic treatises by approaching and reasoning to solve problems based on management science		

KU3	Having the ability to identify managerial problems and organizational functions at the operational level, and take appropriate measures according to the developed alternatives, by implementing local wisdom-rooted entrepreneurial principles	CPMK 03	Being able to understand the roles of technology to support management and innovations
KU4	Being able to make the right managerial decisions in various types of organizations at the operational level, according to data and information analysis on organizational functions		
KU5	Studying the implications of the development or implementation of science, technology, or arts according to their expertise based on rules, procedures, and scientific codes of ethics to produce solutions, ideas, design, or criticisms as well as to write a scientific description based on the study results in the form of a thesis or final project report		
KK3	Being able to recognize opportunity quickly and be brave to take risks responsibly to offer optimum benefits	CPMK 04	Being able to identify the capability and science management of an enterprise to support innovation
KK5	Having the ability to think visionary and to be open, communicative, creative, responsive to change and responsive to advances in science and technology within the scope of management science		

4. Learning Materials and Main References

Learning Materials	<ol style="list-style-type: none"> 1. Management of Technology and Innovation: An Overview (WB Ch. 1) 2. Strategy Process and the Management of Technology and Innovation (WB Ch. 2) 3. Innovation: Planning & Sources of Innovation (WB Ch. 3 & S Ch. 2) 4. Choosing Innovation Projects (S Ch. 7) 5. Organizing for Innovation (S Ch. 10) 6. Internal Innovation: Implementation (WB Ch. 4) 7. Innovation: Evaluation and Control (WB Ch. 5) 8. Obtaining Technology: Planning (WB Ch. 6) 9. Obtaining Technology: Implementation (WB Ch. 7) 10. Collaboration Strategies (S Ch. 8) 11. Obtaining Technology: Evaluation and Control (WB Ch. 8) 12. Defining the Organization's Strategic Direction (S Ch. 6) 13. Building Capabilities for MTI Success (WB Ch. 9) 14. Organizational Learning and Knowledge Management (WB Ch. 10)
Main References	<ul style="list-style-type: none"> • White, Margaret A. & Bruton, Garry D. 2010. <i>The Management of Technology and Innovation: A Strategic Approach</i>. South-Western Cengage Learning. Ohio, USA (Code: WB) • Schilling, Melissa A. <i>Strategic Management of Technological Innovation</i> 5th Edition. McGrawHill Education (Code: S)

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Validated by Dean	Examined by Head of Study Program	Prepared by:
		

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TRANSLATOR STATEMENT

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