

1. Course Identity

Course Name/Block	Operation Research Methodology		
Faculty	Business and Economics	Study Program	Management
Code	SEM629	Credits	3
Group	Within Study Program	Enrollment	Compulsory
Semester(s) in which the course is taught	6	Availability	Limited
Learning Method	Classroom Learning and Practicum at Computer Lab	Media	Blended
Category		Prerequisites	

2. Course Description

This course discusses how to design and conduct research and how to write a research report. The activities of designing research include: finding research problems, conducting a literature review to make hypotheses as temporary answers to the research problems, and designing research methods to test the hypotheses. The activities of conducting research include: collecting data, analyzing data, and drawing conclusions based on the findings and hypothesis. Data analysis is taught quite comprehensively, especially the analysis that is specific to research in operations. A research report is a writing that describes the entire series of research activities, starting from identifying research problems to drawing conclusions based on the hypothesis testing.

3a. GRADUATE LEARNING OUTCOMES (CPL)

CPL Code	CPL
S1	Being devoted to God Almighty and having a good moral character
S3	Internalizing values, norms, and ethics that prioritize integrity, honesty, responsibility, and trust in carrying out the profession
S7	Being disciplined and law-abiding as a part of social and state life
PP2	Mastering the rules, principles, and techniques of cross-functional communication, organizational level, and culture to be able to communicate effectively across functions and across organizational levels
PP3	Mastering at least one international language
PP4	Mastering research method concepts including case studies, historical research, surveys, simulations, as well as qualitative and quantitative experiments, in the form of exploratory, descriptive, and verificative research and being able to implement at least 1 research method.
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
KU6	Establishing and maintaining networking with supervisors, colleagues, peers both inside and outside the institution
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
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

3b. COURSE LEARNING OUTCOME (CPMK)

CPL Code Supported	CPMK Code	CPMK
PP4, KU3	CPMK01	Mastering the techniques and theories of research design
S1, S3, PP2, PP3, KK4, KK5	CPMK02	Being able to write a research report that meets the academic report standard
S7, KU6	CPMK03	Possessing sufficient ability to disseminate or publish scientific works

4. Learning Materials and Main References

Learning Materials	
	Definition and Research Types
	Scientific Research Process
	Latest issues and empirical model in Operations Management 1
	Latest issues and empirical model in Operations Management 2
	Problem Formulation
	Literature Review
	Presentation and Discussion on Problem Formulation
	Data Collection Method
	Research Design
	Statistical Analysis Tools
	POM for Windows 1
	POM for Windows 2
	Final Presentation and Discussion 1
	Final Presentation and Discussion 2
Referensi Utama	<ul style="list-style-type: none"> • Uma Sekaran, (2016), <i>Research Methods for Business</i>, 7th Edition, John Wiley and Sons, Inc., USA. • Donald R, Schindler, Pamela S. Cooper (2014), <i>Business Research Methods 12th Edition</i>, McGraw-Hill Higher Education, New York

Date:	Date:	Date:
Validated by Dean	Examined by Head of Study Program	Prepared by:
Dean	Anjar Priyono, PhD.	Head of Curriculum/Syllabus Development Team

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TRANSLATOR STATEMENT

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