MODUL HANDBOOK
INTERIOR DESIGN METHODOLOGY

Bachelor Degree Program
Department of Interior Design
Faculty of Creative Design and Digital Business

Institut Teknologi Sepuluh Nopember

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Description of Course Unit

Course unit title	Interior Design Methodology
Course unit code	DI184310
Type of course unit (compulsory, optional)	compulsory
Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)	first cycle Bachelor
Year of study when the course unit is delivered (if applicable)	2nd year
Semester/trimester when the course unit is delivered	Semester 3
Number of ECTS credits allocated	4,8 Credits
Name of lecturer(s)	1. Dr. Mahendra Wardhana, ST. MT. 2. Ir. Nanik Rachmaniyah, MT. 3. Dr. Ir. Budiono, MSn.
Learning outcomes of the course unit	1. Able to explain the characteristics of design, process and design methods as well as the pattern of designer work. 2. Able to analyze and create a design concept 3. Able to explain various methods to generate design alternatives 4. Able to choose design alternatives objectively and rationally
Mode of delivery (face-to-face, distance learning)	face-to-face
Prerequisites and corequisites (if applicable)	-
Course content	1. Design and drafting of design concepts 2. Understanding Design: Functions, problems and how the design works 3. Design processes (Descriptive, prescriptive and integrative), and Design Methods (creative and rational) 4. Design Objectives: formulate Objectives and design problems (Objectives Tree Method) 5. Space Programming: User Activity Study, Space Function Analysis, Circulation and Space Connection 6. Design ideas: Brainstorming, Mind mapping, analogy, SCAMPER, morphological chart
Recommended or required reading and other learning resources/tools	1. Cross Nigel, Engineering Design Methods, John Wiley & Sons LTD, 2006. 2. Lauraens, Joyce M. (2005). Arsitektur dan Perilaku Manusia. Jakarta: Penerbit Grasindo. 3. Widagdo. 2000. Desain dan Kebudayaan. Penerbit ITB. Bandung. Indonesia. 4. Karlen, Mark. 2016. Space Planning Basics. New York : Wiley. 5. Ramstedt, Frida. 2020. The Interior Design Handbook: Furnish, Decorate, and Style Your Space. Sweden : Clarkson Potter. 6. Magidson, Ariel. 2023. Your Space, Made Simple: Interior Design that's Approachable, Affordable, and Sustainable. Blue Star Press.

	7. Garip, Ervin. 2020. Handbook of Research on Methodologies for Design and Production Practices in Interior Architecture. New York : IGI Global. 8. Badenduck, Natalie. 2022. Interior Design Concept: Critical Practices, Processes and Explorations in Interior Architecture and Design. New York : Routledge. 9. Aspelund, Karl. 2022. The Design Process 4th Edition. New York : Fairchild Books. 10. Grimley, Mimi. 2018. The Interior Design Reference & Specification Book. New York : Rockport Publishers.
Planned learning activities and teaching methods	Introductory lectures, Group discussion, Case study, Individual guidance/assistance, Consultation
Language of instruction	Indonesia and English
Assessment methods and criteria	Assignment, Presentation, Midterm Exam, and Final Exam

Learning Outcome (LO)

LO	Description
LO2	Able to think critically and creatively in preparing interior design ideas/ concepts
LO8	Mastering practical design knowledge about Geometry, building, communication (drawing), methodologies and consequences in the field of interior design
LO9	Mastering design concepts and able to compile reviews/ assessments on the quality of a design result
LO11	Responsible independently and as a team/ organization

Course Learning Outcome (CLO)

CLO	Description	Mapping of CLO to LO				Weight of CLO (%)
		LO2	LO8	LO9	LO11	
CLO1	Able to explain design characteristics, design processes and design thinking		x			15
CLO2	Able to make analysis and use methods in formulate a design concepts	x		x	x	55
CLO3	Able to choose design alternatives objectively and rationally	x		x	x	15
CLO4	Able to explain methods to produce design alternatives and concepts		x			15

Asessment Plan

No.	Course Learning Outcomes*	Asessment Technique	Asessment Weight (%)
1	**CLO2** Able to make analysis and use methods in formulate a design concepts **CLO4** Able to explain methods to produce design alternatives and concepts	Existing Studies, Libraries and Users (Case Method)	30
2	**CLO1** Able to explain design characteristics, design processes and design thinking	Mid-Semester Evaluation (Cognitive - Midterm Exam)	15
3	**CLO2** Able to make analysis and use methods in formulate a design concepts **CLO4** Able to explain methods to produce design alternatives and concepts	Analysis of Design Concepts and Themes (Case Method)	40
4	**CLO3** Able to choose design alternatives objectively and rationally	Selection of design alternatives (Case Method)	15
Total Assessment Weight			100

Learning Outcome Plan

Week	Sub Achievement-Subject Final Ability	Breadth (Learning Material)	Learning Method	Estimated Time	Students Learning Experience	Assessment Criteria and Indicator
1, 2	Understand the characteristic of design	DESIGN UNDERSTANDING: Functions, Problems and How Design Works	Lecture & Discussion. Group Assignment.	2 L/M: 3x50” 2 SL: 3x60” 2 IL: 3x60”	Writing paper.	Sharpness of material, writing and presentation
3, 4	Understand the design processes and methods	PROCESSES (Descriptive, prescriptive, and integrative) and DESIGN METHODS (Creative and Rational Methods)	Lecture & Discussion. Individual Assignment.	2 L/M: 3x50” 2 SL: 3x60” 2 IL: 3x60”	Creating mind mapping of design concept.	
5	Able to describe design objectives	DESIGN OBJECTIVES: Objective Tree Method	LECTURE, DISCUSSION, Assignment Consultation	L/M: 3x50” SL: 3x60” IL: 3x60”	Formulating Design Objectives	Accuracy in describing design objectives
6, 7	Able to conduct activities study and develop space programming	SPACE PROGRAMMING: User Activities Study and Space Function Analysis	LECTURE, DISCUSSION, Assignment Consultation	2 L/M: 3x50” 2 SL: 3x60” 2 IL: 3x60”	Creating User Analysis and Space Functions	Sharpness of analysis, composition of writing, accuracy of space programming and presentation skills
8, 9		SPACE PROGRAMMING: Circulation Analysis and Space Relations	LECTURE, DISCUSSION, Assignment Consultation	2 L/M: 3x50” 2 SL: 3x60” 2 IL: 3x60”	Creating Circulation Analysis and Space Relations	
10, 11		PRESENTATION OF ASSIGNMENT 1	Presentation and Discussion	2 L/M: 3x50” 2 SL: 3x60” 2 IL: 3x60”	Submission and presentation of assignment 1	
12	Able to create a design concept	CREATING A DESIGN CONCEPT	Lecture, Discussion, Assignment		Creating a Design Concept	Accuracy and arrangement of design concept. Creativity and originality.
13	Able to use one of design methods	DESIGN IDEAS: Brainstorming, Analogy, SCAMPER	LECTURE, DISCUSSION, Assignment Consultation	2 L/M: 3x50” 2 SL: 3x60” 2 IL: 3x60”	Creating Analogy	
14	Able to create a design evaluation and choose from design	DESIGN EVALUATION: Weighted Objective Method	LECTURE, DISCUSSION, Assignment	2 L/M: 3x50” 2 SL: 3x60” 2 IL: 3x60”	Creating a Design Evaluation	Accuracy of rate

	alternatives		Consultation			
15	Able to create a design concept	CREATING A DESIGN CONCEPT	Lecture, Discussion, Assignment		Creating a Design Concept	Accuracy and arrangement of design concept. Creativity and originality.
16	Final Examination					

REFERENCES (max 5):

1. Cross, Nigel (2001), Engineering Design Methods, Singapore, John Wiley & Sons.
2. Jones, J Christopher (1979), Design Methods, New York, Wiley Intersience
3. Design Magazines.
4. Sriawidjaja, Eppi. P, et all (1982). Persepsi Bentuk dan Konsep Arsitektur. Penerbit Djambatan. Jakarta
5. Wardhana, Mahendra (2012). Metode Dalam Mendesain. Materi Kuliah Tamu Universitas Muhammadiyah Surabaya

Note:

* Presentations, discussion assignments, quizzes, lab practices