



MODUL HANDBOOK INTERIOR DESIGN AND FUNCTION

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 and Function
Course unit code	DI184413
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)	2 nd year
Semester/trimester when the course unit is delivered	4 th
Number of ECTS credits allocated	8 ECTS
Name of lecturer(s)	Ir. Nanik Rachmaniyah, MT Dr. Ir. Prasetyo Wahyudie, M.T. Dr. Ir. Susy Budi Astuti, M.T. Lea Kristina Anggraeni, S.T., M.Ds. Aria Weny Anggraita, S.T., M.MT. Okta Putra Setio Ardianto, S.T., M.T. (Team Teaching)
Learning outcomes of the course unit	Students are able to: <ol style="list-style-type: none"> 1. Able to develop design concepts. 2. Able to generate the idea of lay out space and lay out furniture 3. Able to transform the concept of theme into space design. 4. Can communicate the final result / out put design in the form of 2 dimensional images and 3 dimensions by manual and computer assisted
Mode of delivery (face-to-face, distance learning)	Face-to-face
Prerequisites and co-requisites (if applicable)	Successfully finished or on going with the Interior Design and Aesthetic course with a minimum grade of C
Course content	CONCEPTS, IDEAS AND DOCUMENTATIONS DESIGNS. <ol style="list-style-type: none"> 1. Design Concept: Design Objectives and Problems, Library Studies, Existing and Comparative, User Study and Activities, Program Needs and Space Relationships, Analysis of themes and design concepts .. 2. Alternative lay out of space and furniture: anthropometri study, user activity and circulation, space relationship matrix. 3. Application of themes into space elements: Transform form, Analogy, SKAMPER 4. Out put design documentation: working drawings (floor plans, snippets, details), presentation pictures, mockups.
Recommended or required reading and other learning resources/tools	<ol style="list-style-type: none"> 1. Cross, Nigel (2001), Engineering Design Methods, Singapore, John Wiley & Sons. 2. Mahardini (2010), Desain Rumah Buku, Tugas Akhir ITS. 3. Maulana, Dihlis (2010), Tugas Desain Interior 2, ITS, Surabaya. 4. Tiara Ika (2011), Galeri Batik Mangrove Sebagai Sarana Hiburan Edukasi tentang Mangrove di Surabaya, Tugas

	<p>Akhir ITS</p> <ol style="list-style-type: none"> 5. Sully, A. (2015). Interior Design: Conceptual basis. In <i>Springer eBooks</i>. https://doi.org/10.1007/978-3-319-16474-8 6. Mitton, M., & Nystuen, C. (2016). Residential Interior Design: A Guide to Planning Spaces. John Wiley & Sons. 7. Ching, F. D. K., & Binggeli, C. (2004). Interior design illustrated. Wiley. 8. Panero, J., Zelnik, M., & DeChiara, J. (2001). Time-Saver Standards for Interior Design and Space Planning, Second edition. McGraw-Hill Education. 9. Clarkson, P., Coleman, R., Keates, S., & Lebbon, C. (2013). Inclusive design: Design for the Whole Population. Springer Science & Business Media. 10. Null, R. (2017). Universal Design. CRC Press.
Planned learning activities and teaching methods	Problem-Based Learning, Project-Based Learning and Blended Learning
Language of instruction	Bahasa and English
Assessment methods and criteria	Assignment, Project, Midterm Exam and Final Exam

Learning Outcome (LO)

LO	Description
LO2	Able to think critically and creatively in preparing interior design ideas/ concepts
LO3	Able to make alternatives, development, and interior design details (implementation of concepts)
LO7	Mastering basic knowledge of aesthetics, behavior and technology in the field of interior design
LO8	Mastering practical design knowledge about Geometry, building, communication (drawing), methodologies and consequences in the field of interior design

Course Learning Outcome (CLO)

CLO	Description	Mapping of CLO to LO				Weight of CLO (%)
		LO 2	LO 3	LO7	LO8	
CLO1	Capable of conducting interior design	x				16
CLO2	Capable of creating design explorations		x			20
CLO3	Capable of applying and exploring the study of functional aspects based on the character of behavior/activities into design concepts and working drawings			x		50
CLO4	Able to communicate designs in the form of 3D drawings				x	15

Assessment Plan

No.	Course Learning Outcomes*	Assessment Technique	Assessment Weight (%)
1	CLO1 Capable of conducting interior design research	Design concepts and interior design draw (Team-based Project)	15
2	CLO2 Capable of creating design explorations	Design exploration (Case Method)	20
3	CLO3 Capable of applying and exploring the study of functional aspects based on the character of behavior/activities into design concepts and working drawings	Design concepts and working drawing (Case Method)	50
4	CLO4 Able to communicate designs in the form of 3D drawings	3D Presentation (Cognitive - Final Exam)	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	Able to make a report of Library and Existing	Existing studies and literature	Lecture & Studio consultation, and presentation survey	2 TM: 2x3x60" 2 ST: 3x3x60" TM: tatap muka ST: Studio	Create a survey report of the design object. Set up a Study Library on themes and design objects	material completeness and writing demands
3	Able to draw up a Design Concept proposal	Development concept of design: Goals & problems. Design themes User studies, Space needs and relationships, design concepts.	Lecture & Studio consultation/ independent	TM: 2x3x60" ST: 3x3x60"	Composing the Design Concept	material completeness and writing demands
4	Able to make suggestions lay out Space	Room layout alternatives	Lecture & Studio consultation/ independent	TM: 2x3x60" ST: 3x3x60"	Make ideas Design and alternative sketches lay out space	Zoning and room circulation according to room function
5	Able to arrange the design concept and lay out Space	Preview 1	Presentation	L/M: 2x3x60" ST: 3x3x60"	PRESENTATION: Design concept and lay out selected room	Design quality, Out put
6, 7	Able to prepare the concept dMampu make suggestions lay out Space and lay out Space	Furniture layout development	Lecture & Studio consultation/ independent	2 L/M : 2x3x60" 2 ST: 3x3x60"	3 alt Alt lay out Furnitur (A3)	compatibility with circulation and spatial function
8	Midterm Examination					
9	Able to create technical drawings	Elevation, floor and ceiling plan	Lecture & Studio consultation/ independent	L/M: 2x3x60" ST: 3x3x60"	2 elevation, ceiling plan, floor plan (A2)	accuracy of structure, material, technical drawing standard

10	Able to create 3D drawings	3d sketch/ perspektive	Lecture & Studio consultation/ independent	L/M: 2x3x60" ST: 3x3x60"	2 perspective for each selected room	Composition, atmosphere and theme of space
11	Able to create detailed technical drawings	Development of selected room 2	Lecture & Studio consultation/ independent	L/M: 2x3x60" ST: 3x3x60"	Plan, floor plan ceiling plan, 2 elevations (A2, scale 1: 25)	Completeness and technical drawing standard
12		Development of selected room 2	Lecture & Studio consultation/ independent	L/M: 2x3x60" ST: 3x3x60"	Plan, floor plan ceiling plan, 2 elevations (A2, scale 1: 25)	Completeness and technical drawing standard
13		Detail of furniture and aesthetical elements	Lecture & Studio consultation/ independent	L/M: 2x3x60" ST: 3x3x60"	2 Furniture Details, 2 aesthetical elements (A2, scale 1 :5/10)	Completeness and technical drawing standard
14, 15	Able to create mockup miniature	Mockup miniature	Lecture & Studio consultation/ independent	L/M: 2x3x60" ST: 3x3x60"	Mockup Miniature of selected room, scale 1: 25	Detail and mockup miniature neatness
16	Final Examination (Submission)					

REFERENCES (max 5):

1. Cross, Nigel (2001), Engineering Design Methods, Singapore, John Wiley & Sons.
2. Panero, Julius dan Zelnik, martin (1979), 'Dimensi Manusia dan Ruang Interior', Erlangga, Jakarta.
3. Mahardini (2010), Desain Rumah Buku, Tugas Akhir ITS.
4. Maulana, Dihlis (2010), Tugas Desain Interior 2, ITS, Surabaya.
5. Tiara Ika (2011), Galeri Batik Mangrove Sebagai Sarana Hiburan Edukasi tentang Mangrove di Surabaya, Tugas Akhir ITS

Catatan:

* Presentation, discussion task, quiz, Laboratory Practice

Note:

1 credit = (50' L/M + 60' SL + 60' IL)/Week
IL = Independent Learning
T = Theory (knowledge)
L/M = Meeting (Lecture)
PS = Practical Simulation (3 hours/week)
P = Practice (Skillfulness aspect)
SL = Structured Learning
LP = Laboratory Practice (3 hours/week)