



MODUL HANDBOOK INTERIOR DESIGN AND ECONOMY

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 Economic
Course unit code	DI 184731
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)	4 th year
Semester/trimester when the course unit is delivered	7 th
Number of ECTS credits allocated	8
Name of lecturer(s)	Dr. Ir. Prasetyo Wahyudie, M.T. Caesario Ari Budianto, S.T., M.T. Dr. Mahendra Wardhana, S.T., M.T. Anggra Ayu Rucitra, S.T, M.MT. Dr. Ir. Susy Budi Astuti, M.T. Ir. Nanik Rachmaniyah, M.T. Lea Kristina Anggraeni, S.T., M.Ds. Dr. Ir. Budiono, M.Sn. Dr. Firman Hawari, S.Sn., M.Ds. Aria Weny Anggraita, S.T., M.MT. Thomas Ari Kristianto, S.Sn., M.T. Onna Anieqo Tanadda, S.Ds., M.Ds.
Learning outcomes of the course unit	<ol style="list-style-type: none"> 1. Able to prepare final project proposal and report. 2. Able to develop design concepts. 3. Able to produce design ideas. 4. Able to transform the theme concept into space design. 5. 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)	The student has taken the "Interior Design and Culture" course
Course content	<ol style="list-style-type: none"> 1. Final Project Proposal: Procedures of scientific writing and Interior Design Research. 2. Design Concept: Design Objectives and Problems, Literature Review, Existing and Comparative Studies, User and Activities Studies, Programme of Needs and Spatial Relations, Analysis of themes and design concepts. 3. Alternative layouts of space and furniture: anthropometry studies, user activity and circulation, spatial relationship matrix. Design Objective: Formulating objective tree methods. 4. The application of economic aspects in interior design: Shape Transformation, Analogy, SCAMPER. 5. Design output documentation: working drawings (floor plans, snippets, details), presentation pictures 6. Technical Drawings

Recommended or required reading and other learning resources/tools	<ol style="list-style-type: none"> 1. McMorrough, J. (2018). <i>Architecture Reference & Specification Book: Everything architects need to know every day</i>. Quarry Books. 2. Grimley, C., Love, M., & Grimley, C. (2018). <i>The Interior Design Reference + Specification Book: Everything interior designers need to know every day</i>. Rockport Publishers Inc., an imprint of The Quarto Group. 3. Triatmodjo, S. (2020). Designing a Design Thinking Model in Interior Design Teaching and Learning. <i>Journal of Urban Society's Arts</i>, 7(2), 53–64. https://doi.org/10.24821/jousa.v7i2 4. Vaux, D.E., & Wang, D. (Eds.). (2020). <i>Research Methods for Interior Design: Applying Interiority (1st ed.)</i>. Routledge. https://doi.org/10.4324/9780429029325 5. Karpan, C. M. (n.d.). <i>Programming Interior Environments: A practical guide for students</i>. Routledge. 6. Cline, L. S. (2022). <i>Architectural drafting for Interior Design</i>. Fairchild Books. 7. Serrat, O. (2017). The SCAMPER Technique. In: <i>Knowledge Solutions</i>. Springer, Singapore. https://doi.org/10.1007/978-981-10-0983-9_33 8. Obeidat, I., Obeidat, S., Rumman, S. A., & Al-Jubouri, F. (2022). The role of sustainable interior design and its impact on customer's behavior in Commercial Environments. <i>IOP Conference Series: Earth and Environmental Science</i>, 1026(1), 012054. https://doi.org/10.1088/1755-1315/1026/1/012054 9. Whiting, P., Cullen, V., Adkins, H., & Chateur, F. (2023). A new retail interior design education paradigm for a circular economy. <i>Sustainability</i>, 15(2), 1487. https://doi.org/10.3390/su15021487 10. Lounassaari, A. K. K. (2019). <i>Teaching-Learning Experiences in Interior Architecture in the Context of Creative Economy and Socially Responsible Design</i>, 9 11. Vaux, D. E., & Wang, D. (2021). <i>Research methods for interior design: Applying interiority</i>. Routledge, Taylor & Francis Group. 12. Duan, H. (2022). The development trend and optimization of Interior Design. <i>BCP Social Sciences & Humanities</i>, 20, 240–243. https://doi.org/10.54691/bcpssh.v20i.2209 13. Mitton, M. (2018). <i>Interior Design Visual Presentation: A guide to graphics, models, and presentation methods</i>. Wiley. 14. Mansour, M. (2023). The relationship between the visual identity of graphic and interior design and the place-making of interior spaces. <i>Convergence of Contemporary Thought in Architecture, Urbanism, and Heritage Studies</i>. https://doi.org/10.38027/ICCAUA2023EN0392 15. Afthony, Naufal. (2021). <i>Desain Interior Fasilitas Edukasi Kelistrikan 'Energo' TJB Educenter Berkonsep Edutainment Dengan Implementasi Projection Mapping Guna Menciptakan Nuansa Imersif Pada Pengunjung</i>. Undergraduate thesis, Institut Teknologi Sepuluh Nopember. 16. Haidar, Almer. (2021). <i>Redesain Desain Interior Singgasana Hotel Surabaya berkonsep Eksimplifikasi Kakawin Negarakertagama Sebagai Wujud Pelestarian Kisah Kerajaan di Jawa Serta Didukung Dengan Konsep Green Building</i>. Undergraduate thesis, Institut Teknologi Sepuluh Nopember.
Planned learning activities and teaching methods	Project-Based Learning
Language of instruction	Indonesia and English
Assessment methods and criteria	Project, Midterm Exam, and Final Exam

Learning Outcome (LO)

LO	Description
LO1	Able to think critically in conducting interior design research
LO2	Able to think critically and creatively in preparing interior design ideas/ concepts
LO4	Able to present design outputs (process and design results) manually and/ or computer-assisted in 2D and 3D
LO5	Able to utilize environmental and maritime technology in the field of interior design

Course Learning Outcome (CLO)

CLO	Description	Mapping of CLO to LO				Weight of CLO (%)
		LO 1	LO 2	LO4	LO5	
CLO1	Able to explore the problems and objectives of interior design based on the characteristics and types of interior design objects	x				25
CLO2	Able to generate interior design ideas according to user needs and interior design object problems		x			25
CLO3	Able to produce appropriate interior design concepts for existing interior design objects obyek			x		25
CLO4	Able to compile proposals, concept presentation books, pre-design drawings and sketches				x	25

Assessment Plan

No.	Course Learning Outcomes*	Assessment Technique	Assessment Weight (%)
1	CLO2 Able to generate interior design ideas according to user needs and interior design object problems	Interior design concept report book (Case Method)	25
2	CLO4 Able to compile proposals, concept presentation books, pre-design drawings and sketches	Sketch drawing and design concept (Case Method)	25
3	CLO1 Able to explore the problems and objectives of interior design based on the characteristics and types of interior design objects	Book Presentation of Interior Design Concepts (Case Method)	25
4	CLO3 Able to produce appropriate interior design concepts for existing interior design objects	Interior design engineering drawing (Case Method)	25
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 - 3	Able to prepare final project proposal	Preliminary studies, Preparing final project proposal, Existing studies, description of problems and objectives, design methodologies	Lectures & Studio consultation and Weekly Survey progress presentation	3 L/M: 2x3x60" 3 ST: 3x3x60" L/M: tatap muka ST: Studio	Create a survey report of the design object. Prepare the Library Studies tentag theme and design object Compile reports	material completeness and writing
4, 5	Able to develop design concepts.	DEVELOPMENT CONCEPT OF DESIGN: Goals & Problems. Design Themes User studies, Space Needs and Relationships, Design Concepts.	Lectures & Studio consultation / independent, Weekly progress presentation	L/M: 3x3x60" ST: 3x3x60"	Constructing a Design Concept	material completeness and writing
6 - 8	Able to produce design ideas	DESIGN ALTERNATIVE	Lectures & Studio consultation / independent	L/M: 2x3x60" ST: 3x3x60"	Make ideas Design and alternative sketches lay out space	Zoning dan room circulation as function
9, 10	Able to transform the concept of theme into space design		Presentasi	L/M: 2x3x60" ST: 3x3x60"		Design quality, out put
11 - 15	Can communicate the final result / design out put in the form of 2-dimensional images and 3 dimensions by manual and computer-assisted.		Lectures & Studio consultation / independent	2 L/M: 2x3x60" 2 ST: 3x3x60"		Completeness and technical drawing standard complex, Detail images

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

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)