MODUL HANDBOOK
TRANSPORTATION INTERIOR DESIGN

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

Institut Teknologi Sepuluh Nopember

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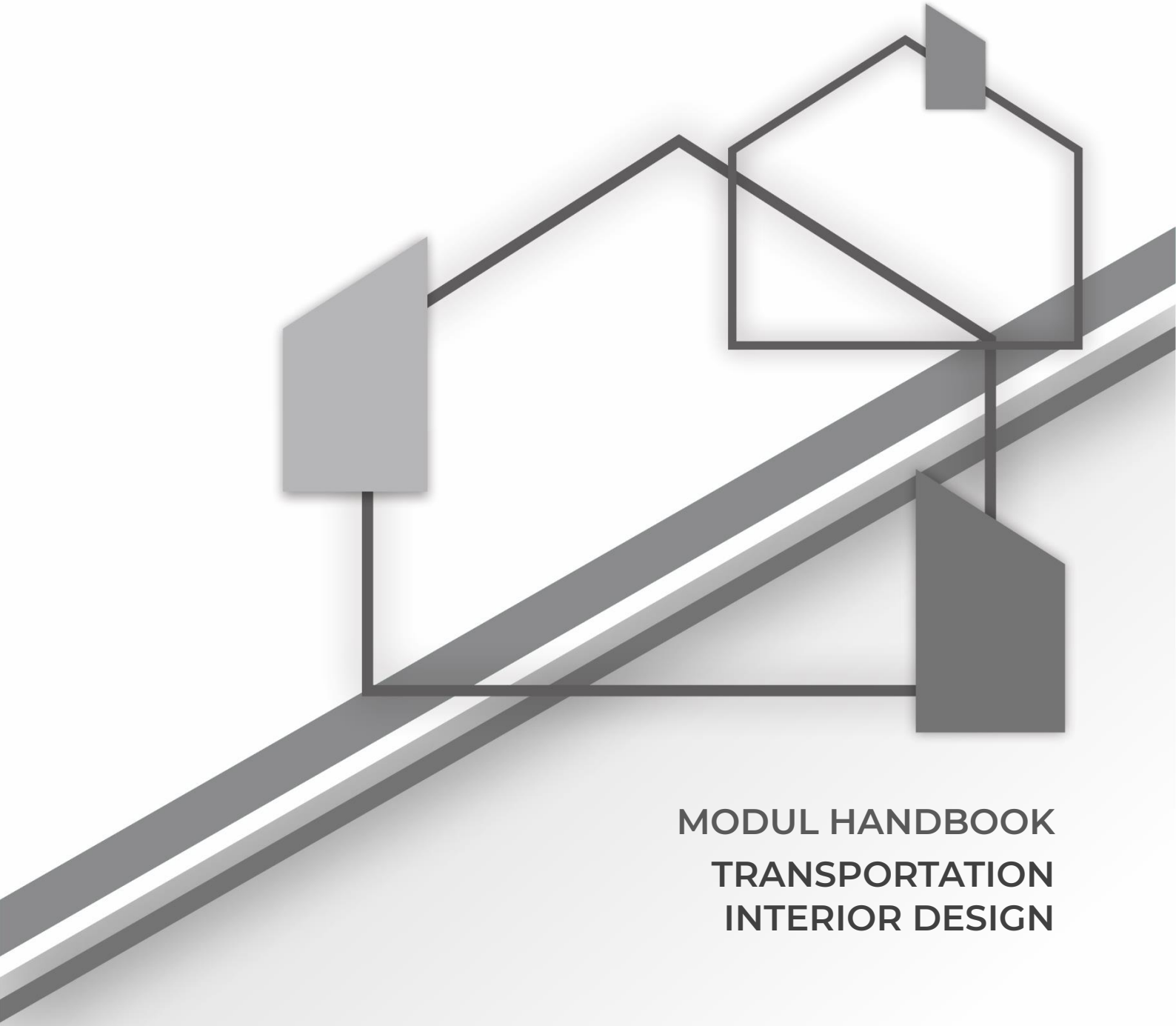
Sepuluh Nopember

INTERIOR
DESIGN
ITS



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Description of Course Unit

Course unit title	Transportation Interior Design
Course unit code	DI184526
Type of course unit (compulsory,optional)	optional
Level of course unit (according to EQF: first cycle Bachelor, secondcycle Master)	**first cycle Bachelor**
Year of study when the course unitis delivered (if applicable)	1st year
Semester/trimester when thecourse unit is delivered	5th or 6th semester
Number of ECTS credits allocated	4,8 Credits
Name of lecturer(s)	Thomas Ari Kristianto, S.Sn., M.T. Caesario Ari Budianto, ST., MT.
Learning outcomes of the courseunit	1. Students can define the meaning of ship interior design. 2. Students understand the interior character according to the transportation type. 3. Students can analyze problems in transportation interiors. 4. Students can implement transportation interior design research into a concept. 5. Students can implement the concepts into every component of the transportation interior. 6. Students can implement design concepts into design alternatives. 7. Students can implement the concepts into design visualization and presentation images. 8. Students can create transportation interior working drawings. 9. Students can create mock-ups of transportation interior designs / designed components. 10. Students are capable of presenting and showing the important work of the design.
Mode of delivery (face-to-face,distance learning)	face-to-face
Prerequisites and co-requisites(if applicable)	**-**
Course content	1. Ship interiors and human activities inside. 2. Ship classification 3. Marine transportation aspects in the world and Indonesia. 4. Accommodation barch 5. K3 6. Characters of ship users, passengers, and crew 7. Facilities in the ship's interior. 8. Materials suitability for the interior. 9. Ship barch accommodation as a tourist accommodation. 10. Barch accommodation operations. When used for company operations, for example, mining, and oil.
Recommended or required reading and other learning resources/tools	– Ching, Franchis D. K. 2007. Architecture. *Form, Space and Order ed. 3rd. NJ* : John Wiley & Son Inc. – Ocvirk, Otto; Bone, Robert; Stinson, Robert; Wigg, Philip. 1981. *Art Fundamentals Theory and Practice*. Iowa : William C. Brown Company

	– Wong, Wucius. 1986. *Beberapa Asas Merancang Dwimatra*, diterjemahkan oleh Adjat Sakri. Bandung : Penerbit ITB – Ahola, Markus. 2017. *Tracing Passenger Safety Perception for Cruise Ship Design*. Aalto University. https://shop.aalto.fi/p/602-tracing-passenger-safety-perception-for-cruiseship-design/. – Laird, Ross. 2019. “Choosing Wood for Marine Applications | Ross Laird.” 2019. https://www.rosslaird.com/blog/creativity/2007-08-16-choosing-wood-for-marine-use/ – Prvanov, Sinisa. 2017. “The Refurbishment of M/V Anna Mary: Four Samples of Using Durable Wood Products – T. Ask, Engineering for industrial designers and inventors : fundamentals for designers of wonderful things. Beijing: O'Reilly, 2016. – E. Neufert, P. Neufert, and J. Kister, Architects' data, 4. ed. Chichester, West Sussex, UK: Wiley-Blackwell, 2012 – D. Shafran. "What Materials Are Used In Boat Building?" Maritime Page. https://maritimepage.com/materials-used-in-boat-building/ (accessed 2023-02-22, 2023) – K. Kreisler. "Weight Distribution." Southern Boating. https://southernboating.com/engines/outboards/weight-distribution/ (accessed 02-16, 2023)
Planned learning activities andteaching methods	Problem-Based Learning, Project-Based Learning and Blended Learning
Language of instruction	Indonesia and English
Assessment methods andcriteria	Assignment, Project, Quiz, Midterm Exam and Final Exam

Learning Outcome (LO)

LO	Description
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
LO7	Mastering basic knowledge of aesthetics, behavior and technology in the field of interior design
LO10	Able to provide alternative solutions and make the right, creative and innovative decisions related to the field of interior design based on good leadership and communication skills

Course Learning Outcome (CLO)

CLO	Description	Mapping of CLO to LO					Weight of CLO (%)
		LO 2	LO 4	LO5	LO7	LO10	
CLO1	Students are able to define the meaning of ship interior design and understand the interior character according to its type			x			20
CLO2	Students are able to analyze problems and make transportation interior design research into a concept				x		20
CLO3	Students are able to translate design concepts into alternative design visualizations and presentation images	x				x	40
CLO4	Students are able to make technical drawing, mock up designs, and present their work to show the importance of the design		x				20

Asessment Plan

No.	Course Learning Outcomes*	Asessment Technique	Asessment Weight (%)
1.	**CLO1** Students are able to define the meaning of ship interior design and understand the interior character according to its type	Maritime Introduction task (Cognitive – Assignment)	20
2.	**CLO2** Students are able to analyze problems and make transportation interior design research into a concept	Route and ship study (Team-based Project)	20
3.	**CLO3** Students are able to translate design concepts into alternative design visualizations and presentation images	Design idea and implementation (Case Method)	40
4.	**CLO4** Students are able to make technical drawing, mock up designs, and present their work to show the importance of the design	Presentation and technical drawing (Case Method)	20
		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	Lecture Introduction	Explanation of lecture rules, assessment. Overview of shipping, ship, and interior. The interior of the ship and human activities in it. Introduction of student basic ability to determine the load / intensity of college assignments.	Task 1. Make a group presentation of the types of ships, uses, and interior.	L/M: 1x(1x150”)	Group discussion	Assessment of attendance and liveliness. The class leader get additional 10% score of the accumulated value.
2	Type of Ship Initiation of the main task of designing interior of accomodation barge	Ship classification of: 1. Function 2. Weight 3. Cruising power or ability 4. Material maker Things about sea transportation in the world and Indonesia. Ship production capacity in Indonesia. The development of ship production in the world. World trade traffic at sea. Introduction to accommodation barge	Group presentation on related materials. Presentation materials in powerpoint form and continue to add material until the end of the course, ready to be a layouted into a good book.	L/M: 1x(1x150”)	Group discussion	Presentation score Each group has a flexible and continuously added folder / order collection.
3	Ship interior	Accidents due to	The task of adding data	L/M: 1x(1x150”)	Group discussion and	

		human error. Human error due to burnout and fatigue. Character of ship users, passengers and crew. Activity on board	to the ship accident data. Types of ship users: passengers and crew. The organizational structure of the crew. Activities on board (passengers and crew). Exterior color code of ships according to ship type. The addition of world ships interior material. For the group presentation, discussing one of the interior of the favorite ship and explain why. Group presentation.		presentation	
4	Ship interior	User activity and facility requirements. Study accommodation barge. Main task: distribution of CAD file of accommodation barge existing drawing.	Students in the group choose one type of ship, make a list of activities and facilities on medium-sized vessels. Create a study of activities and facilities in the accommodation barge.	L/M: 1x(1x150”)	Discussion	
5	Ship interior details	Interior design factor in user convenience. Facilities in the interior of the ship.	Character of interior material of ship and furniture. List of materials and	L/M: 1x(1x150”)	Discussion	

		Furniture. Eligibility of materials for interior. Main task:	characters.			
6	Main task And the introduction of color composition	Designed with guidance. Accommodation barge ship for use as a place to stay. Operational accommodation barge. When used for company operations, such as mining and petroleum. Main task: envelope drawing of selected rooms.	Workshop of creating color composition of magazine clippings. Arranged in A3 paper pallet. Group.	L/M: 1x(1x150”)	Group discussion	Collection of clipping task in group folders.
7	Main task of designing accommodation barge room	Description of the interior as a whole, dimensions, materials, colors, completeness of facilities. Main Task: application of design drawings in envelope engineering drawings.	Make clippings in group about 3 and 5 star hotel rooms. Clipping format remains in the folder.	L/M: 1x(1x150”)	Group discussion	
8	Introduction of design compositions. The main task is continued. Blocking, zoning and	Pengenalan dilanjutkan penajaman pemahaman terhadap interior desain. Ditampilkan banyak image board dari otomotif, interior bangunan darat dan	Discussion with image board. Students choose one of the designs and express their opinions.	L/M: 1x(1x150”)	Discussion	Collection of clipping task in group folders.

	circulation.	interior kapal, mahasiswa mengutarakan pendapatnya. Berlatih ketajaman selera desain dengan kata kunci: modern, klasik, berat, ringan, minimalis, segar, mahal, mewah, formal, non formal, usil, kreatif, dll. Pengenalan blocking, zoning dan sirkulasi dalam ruang. Besaran ruang minimal. Tugas utama: membuat denah dan sketsa ruang terpilih.	Students continue working on main task.			
9	Introduction of compositions in the design. The main task is continued	Introduction about acumen of understanding of interior design continued. Displaying imageboards from automotive, interior of land building and ship interior, students are expressing their opinion. Practicing the acumen of design taste with keywords: modern,	Discussion with image board. The result of the composition is associated with the main task of each group made into the image board. Students continue working on main task.	L/M: 1x(1x150”)	Discussion	

		classic, heavy, light, minimalist, fresh, expensive, luxurious, formal, non formal, nosy, creative. Main tasks: create floor plans and sketches of selected space.				
10	Collection of ship interior materials. Plus utilities. The main task is continued.	Each group collects examples of interior materials such as: Iron strip, bracket, marine plywood, acp, glasswool, aluminum plate, vinyl, tempered glass, plexiglass, wallpaper, paint, printed vinyl, acrylic board, lamp, door drawing, signage etc. Main tasks: create floor plans and sketches of selected space.	Students sharing with different groups, to complete the collection of each group. Students continue working on main task.	L/M: 1x(1x150”)	Discussion	
11	Collection of ship interior materials. Plus utilities. The main task is continued.	Each group collects examples of interior materials such as: Iron strip, bracket, marine plywood, acp, glasswool, aluminum plate, vinyl, tempered glass, plexiglass, wallpaper, paint, printed vinyl, acrylic board, lamp, door drawing, signage etc. Completion of selected room design, guided by lecturers in group	Materials are arranged in group image board, Students continue working on main task.	L/M: 1x(1x150”)	Group discussion	

		assistance.				
12	Main Task Interior design	Completion of selected room design, guided by lecturers in group assistance.	Students continue working on main task.	L/M: 1x(1x150”)	Group discussion	
13	Main Task Interior design	Drawing the 3D of selected design with the help of Sketchup or 3d Max. The output target is rendered images.	Students continue working on main task.	L/M: 1x(1x150”)	Discussion	
14	Main Task Drawing of selected design.	Creating engineering drawing of design result.	Students continue working on main task.	L/M: 1x(1x150”)	Discussion	
15	Main Task Drawing of selected design.	Creating engineering drawing of design result. Creating scientific poster of group design result in A1 format. The poster could be made with the help of Photoshop or Corel.	Students are working on main task. Preparation of final task submission.	L/M: 1x(1x150”)	Discussion	
16	Submission of Main Tas and Portfolio.	Engineering drawing, concept, and study result binded in A3 format. Scientific poster in framed A1 format.	Submission of final task in groups. And A1 poster.	L/M: 1x(1x150”)	Discussion	The final assessment of final task