

Introduction to Built Environment

DESCRIPTION OF COURSE UNIT

Program Studi Sarjana (S1) Desain Produk

Bachelor of Industrial Design (BOLD)

2018-2023



Description of Course Unit
according to the ECTS User's Guide 2015

Course unit title	Introduction to Built Environment
Course unit code	DI 184733
Type of course unit	Compulsory
Level of course unit	First Cycle Bachelor
Year of study when the course unit is delivered	4 th year
Semester/trimester when the course unit is delivered	7 th
Number of ECTS credits allocated	4,8
Name of lecturer	Lea Kristina Anggraeni, S.T., M.Ds. Dr. Ir. Susy Budi Astuti, M.T.
Learning outcomes of the course unit	<ol style="list-style-type: none"> 1. Students understand the concept of behavior, built environment and sustainable design. 2. Students are able to see the phenomena that occurs in Indonesia related to lifestyles and ecological issues. 3. Students understand the relationship between lifestyle prevailing in society as the basic concept in designing interior and its aesthetic elements. 4. Students understand and able to apply the process of design and sustainability management in designing the interior and its supporting elements. 5. Students recognize, understand the characteristics of material, and are able to choose the right material to support the sustainable design. 6. Students are able to create design as problem solver, which is visually attractive and environmentally friendly. 7. Students are able to create research based on behavior, lifestyle and environmental ecological issues.
Mode of delivery	Face-to-Face
Prerequisites and co-requisites	<ol style="list-style-type: none"> 1. Already take Course Study - Interior Design & Culture 2. Already take Course Study – Interior Design Research 3. Already take Course Study – Behavior & environment 4. Already take Course Study – Interior Science 5. Already take Course Study – Material & Interior

	<p>application</p> <p>6. Already take Course Study - Ergonomic</p>
Course content	<ol style="list-style-type: none"> 1. Human behavior 2. Lifestyle 3. Environmental ecological issues 4. Sustainable design
Recommended or required reading and other learning resources/tools	<ol style="list-style-type: none"> 1. 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 2. Whiting, P., Cullen, V., Adkins, H., & Chatteur, 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 3. Pacheco-Torgal, F., & Goran-Granqvist, C. (2023). <i>Adapting the built environment for climate change: Design principles for climate emergencies</i>. Woodhead Publishing. 4. Obeidat, I. (2022). The effect of self-sufficiency in interior design and its reflection on user's behavior within built environments. <i>Dirasat: Human and Social Sciences</i>, 49(1), 428–457. https://doi.org/10.35516/hum.v49i1.1669 5. Araya León, M. J., Guasch, R., Estévez, A. T., & Peña, J. (2022). Interaction between the interior built environment and the human being. an integrative review in relation to perception, health, and well-being. <i>Theoretical Issues in Ergonomics Science</i>, 24(6), 698–728. https://doi.org/10.1080/1463922x.2022.2134940 6. Kotradyova, V. (2019). Sustainability in interior design: Interdisciplinary research used for exploring relation between built environment and human. <i>IOP Conference Series: Materials Science and Engineering</i>, 603(4), 042100. https://doi.org/10.1088/1757-899x/603/4/042100 7. Hes, D., & Hernandez-Santin, C. (2019). <i>Placemaking fundamentals for the built environment</i>. Palgrave Macmillan. 8. Coles, R., Costa, S., & Watson, S. (2019). <i>Pathways to well-being in design: Examples from the Arts, humanities and the built environment</i>. Routledge, Taylor et Francis Group. 9. Seta, F., Biswas, A., Khare, A., & Sen, J. (2018). <i>Understanding built environment proceedings of the National Conference on Sustainable Built Environment 2015</i>. Springer Singapore. 10. Briede, I., & Strode, A. (2020). Possibilities of environmental sustainability in interior design. <i>SOCIETY. INTEGRATION. EDUCATION. Proceedings of the International Scientific</i>

	<i>Conference, 5, 627.</i> https://doi.org/10.17770/sie2020vol5.4870
Planned learning activities and teaching methods	Problem-Based Learning
Language of instruction	Indonesia
Assessment methods and criteria	Assignment, Midterm Exam, and Final Exam

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Course Details

DW184201

Pengantar Lingkungan Binaan
Introduction to Built Environment
2 credits
Coordinator: Denny Indrayana Setyadi, S.T., M.Ds.

Course Form :
Course Type : Tidak Ada
Minimum Passing Grade : C

Course Description

Belum ada deskripsi.

No description yet.

LO CLO Assessment & Evaluation Plan Lesson Plan

Learning Outcomes Charged by the Course

Mohon untuk mengecek kurikulum yang lain juga pada pilihan di bawah ini (lalu klik **Tampilkan**). Kemudian mohon pastikan centang CPL telah sesuai dengan yang dibutuhkan oleh CPMK.

Curriculum: Kurikulum 2018 S-1 Desain Produk

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No.	Description
<input type="checkbox"/>	1. Mampu menyusun konsep desain dengan mengidentifikasi sumber masalah, menganalisis, dan mensintesis kebutuhan dengan mempertimbangkan aspek estetika, kenyamanan dan keselamatan pengguna pada suatu produk <i>Able to develop design concepts by identifying problem sources, analyzing, and synthesizing needs by considering aesthetic, comfort and user safety aspects of a product</i>
<input type="checkbox"/>	2. Mampu merancang sistem produk dan benda produk berdasarkan penguasaan metoda desain, cara produksi dan sistem distribusi, untuk menghasilkan produk yang dapat dipertanggungjawabkan terhadap kaidah desain, dampak pada lingkungan hidup, dan isu-isu sosial budaya <i>Able to design product systems and product objects based on mastery of design methods, production methods and distribution systems, to produce products that can be accounted for by design principles, impacts on the environment, and socio-cultural issues</i>
<input type="checkbox"/>	3. Mampu membuat model untuk menyelesaikan masalah desain yang kompleks secara kreatif berdasarkan prinsip-prinsip desain dan rekayasa, dengan mempertimbangkan faktor ekonomi, keamanan, keselamatan, dan kelestarian lingkungan <i>Able to create models to solve complex design problems creatively based on design and engineering principles, taking into account economic, security, safety, and environmental sustainability factors</i>
<input checked="" type="checkbox"/>	4. Melakukan kolaborasi dalam bidang kerja yang multi disiplin dengan memanfaatkan pengetahuan dan kemampuan desainnya <i>Collaborating in multi-disciplinary work areas by utilizing design knowledge and skills</i>
<input checked="" type="checkbox"/>	5. Memahami konsep teoretis desain: 1. fungsi, 2. estetika, 3. ekonomi, 4. sosial dan, 5. teknologi secara umum <i>Understand the theoretical concepts of design: 1. function, 2. aesthetics, 3. economy, 4. social and, 5. technology in general</i>
<input type="checkbox"/>	6. Ketrampilan presentasi lisan, tulisan dan multimedia dan teknologi presentasi secara umum <i>Oral, written and multimedia presentation skills and general presentation technology</i>
<input type="checkbox"/>	7. Ketrampilan rekabentuk dan visualisasi 2 dan 3 matra secara mendalam <i>Design skills, 2 and 3 dimension visualization in depth</i>
<input type="checkbox"/>	8. Prinsip dan metodologi desain secara mendalam <i>Design principles and methodologies</i>
<input type="checkbox"/>	9. Konsep user centered design secara mendalam <i>The concept of user centered design in depth</i>
<input type="checkbox"/>	10. Sejarah dan perkembangan desain produk secara mendalam <i>The history and development of product design in depth</i>
<input type="checkbox"/>	11. Wawasan budaya dan perkembangan tren secara mendalam <i>Insight into culture and trend developments in depth</i>
<input type="checkbox"/>	12. Prinsip dan isu terkini dalam teknologi manufaktur secara umum <i>Current principles and issues in manufacturing technology in general</i>
<input type="checkbox"/>	13. Bisnis dan pemasaran, kewirausahaan, kode etik dan HAKI (Hak atas Kekayaan Intelektual) secara umum <i>Business and marketing, entrepreneurship, code of ethics and IPR (Intellectual Property Rights) in general</i>
<input type="checkbox"/>	14. Konsep dan prinsip pelestarian lingkungan secara umum <i>Environmental conservation concepts and principles in general</i>

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ADVANCING HUMANITY

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Course Form

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Course Type

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Tidak Ada

Minimum Passing Grade

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Course Description

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No description yet.

LO CLO Assessment & Evaluation Plan Lesson Plan

Course Learning Outcomes

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Code	Description of CLO	Mapping of CLO to LO		Weight of CLO
		LO 4	LO 5	
CLO-1	Mampu menguasai konsep umum Lingkungan Binaan <i>Understanding the general concepts of the Built Environment</i>	<input type="checkbox"/>	<input type="checkbox"/>	30%
CLO-2	Mampu memahami peran Desain Komunikasi Visual dalam Lingkungan Binaan <i>Able to understand the role of Visual Communication Design in the Built Environment</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	30%
CLO-3	Mampu menganalisis fungsi dan peran Desain Komunikasi Visual dalam konteks Lingkungan Binaan <i>Able to analyze the function and role of Visual Communication Design in the context of the Built Environment</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	40%
Total Weight		50%	50%	100%

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Course Details

DW184201[Pengantar Lingkungan Binaan](#)*Introduction to Built Environment*

2 credits

Coordinator: Denny Indrayana Setyadi, S.T., M.Ds.

Course Form

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Course Type

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Belum ada deskripsi.

No description yet.[LO](#) [CLO](#) [Assessment & Evaluation Plan](#) [Lesson Plan](#)

Assessment & Evaluation Plan

No.	Evaluation Plan	CLO-1	CLO-2	CLO-3	Total Weight
1	Kuis 1 : Konsep Lingkungan Binaan Quiz 1 : <i>Built Environment Concept</i> Kognitif - Quiz <i>Cognitive - Quiz</i>	10%	0%	0%	10%
2	Kuis 2 : Tradisi Lingkungan Binaan Quiz 2 : <i>Traditions Built Environment</i> Kognitif - Quiz <i>Cognitive - Quiz</i>	10%	20%	0%	30%
3	Kuis 3 : Environmental Graphic Design Quiz 3 : <i>Environment Graphic Design</i> Studi Kasus <i>Case Method</i>	10%	10%	0%	20%
4	UTS <i>Midterm Exam</i> Studi Kasus <i>Case Method</i>	0%	0%	10%	10%
5	UAS <i>Final Exam</i> Studi Kasus <i>Case Method</i>	0%	0%	30%	30%
TOTAL		30%	30%	40%	100%
Target		30%	30%	40%	100%

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Lesson Plan

Weeknum	Course Material	Learning Method		
1	Pengantar Lingkungan Binaan Introduction Built Environment	Metode SCL lainnya		
2	Komponenn Lingkungan Binaan The Built Environment Component	Metode SCL lainnya		
3	Tradisi Lingkungan Binaan Traditions of Built Environment	Metode SCL lainnya		
4	Membangun bersama Manusia Built with people	Metode SCL lainnya		
5	Pengantar Desain Produk dan Lingkungan Binaan Introduction to Product Design and the Built Environment	Metode SCL lainnya		
6	Pengantar Desain Interior dan Lingkungan Binaan Introduction to Interior Design and the Built Environment	Metode SCL lainnya		
7	Pengantar Arsitektur, Lansekap, Kota dan Lingkungan Binaan Introduction to Architecture, Landscape, Cities and the Built Environment	Metode SCL lainnya		
8	Ujian Tengah Semester Midterm Exam	Non SCL		
9	Sejarah Desain Grafis dan Lingkungan Binaan 1 History of Graphic Design and the Built Environment 1	Metode SCL lainnya		
10	Sejarah Desain Grafis dan Lingkungan Binaan 2 History of Graphic Design and the Built Environment 2	Metode SCL lainnya		
11	Branding Kawasan dan Lingkungan Binaan Environment Branding and Built Environment	Metode SCL lainnya		
12	Branding Kota dan Lingkungan Binaan City Branding and Built Environment	Metode SCL lainnya		
13	Signage, Wayfinding dan Lingkungan Binaan Signage, Wayfinding and Built Environment	Metode SCL lainnya		
14	Analisa Desain Grafis Lingkungan 1 Environmental Graphic Design Analysis 1	Metode SCL lainnya		
15	Analisa Desain Grafis Lingkungan 2 Environmental Graphic Design Analysis 2	Metode SCL lainnya		
16	Ujian Akhir Semester Final Term Exam	Non SCL		
	<div><div>Bahasa Indonesia</div><div>English</div></div>	<div>Choose method</div>		