

Carstyling 1

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	Carstyling 1
Course unit code	DP184524
Type of course unit	Elective
Level of course unit	First cycle Bachelor
Year of study when the course unit is delivered	3 rd year
Semester/trimester when the course unit is delivered	5 th semester
Number of ECTS credits allocated	4,8 ECTS Credits
Name of lecturer	Arie Kurniawan, S.T., M.Ds.
Learning outcomes of the course unit	<ul style="list-style-type: none"> - Presenting designs orally, in writing, and multimedia in the form of abstractions and visuals, in detail their functions of carbody design - Able to apply technology and equipment related to multi-dimensional (2D and 3D) design representation in design development - Able to develop design concepts by forming development methods carstyling - Able to read trends and car styling according to the user's persona
Mode of delivery	face-to-face
Prerequisites and co-requisites (if applicable)	-
Course content	<p>Courses as well as knowledge about trends and styles of car body design with vision. The implementation of lectures is in the forming development of carbody on visual concepts that can be explained well, clearly, and systematically.</p> <ol style="list-style-type: none"> 1) Insights into current trends in car design, designers, and design works. 2) Visual theory of car design. 3) Platform analysis. 4) Brand identity in car appearance. 5) Consumer behavior, persona, and designer impression. 6) Techniques for sketching and car design concepts. 7) Car Design Concepts and Portfolio. 8) Techniques for presenting car designs.

Recommended or required reading and other learning resources/tools	<ul style="list-style-type: none"> • Leon G. Schiffman, Leslie Lazar Kanuk (2007), “Consumer Behaviour”, Ninth Edition, Prentice Hall, Pearson Education, Inc, New Jersey. • Nikolaos Gkikas (2013), “Automotive Ergonomics-Driver Vehicle Interaction”, CRC Press, Taylor & Francis Group, 6000 Broken Sound Parkway, NW Suite 300, Boca Raton, London. • Stuart Macey, Geoff Wardley (2008), “H Point-The Fundamental of Car Design & Packaging”, Design Studio Press, Higuera Street, Culver City, California. • Eissen, Koos & Roselien Steur.2014. Sketching Product Design Presentation, Amsterdam:BIS Publisher
Planned learning activities and teaching methods	Discovery Learning; Case Method; Team Based Learning
Language of instruction	Indonesia and English
Assessment methods and criteria	Assignment, Project, Midterm Evaluation and Final Evaluation

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Course Details

DP184524

Car Styling 1

3 credits

Coordinator: Arie Kurniawan, S.T., M.Ds.

Course Form :

Course Type : Tidak Ada

Minimum Passing Grade : C

Course Description

Mata kuliah pilihan yang menekankan pengetahuan/ wawasan tentang trend dan gaya desain mobil baik sekarang maupun masa yang akan datang. Implementasi perkuliahan berupa pengembangan bentuk kendaraan yang menekankan pada konsep visual yang dapat dijelaskan secara baik, jelas dan sistematis.

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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

Show

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 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 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 checked="" type="checkbox"/>	6. Ketramampilan presentasi lisan, tulisan dan multimedia dan teknologi presentasi secara umum <i>Oral, written and multimedia presentation skills and general presentation technology</i>
<input checked="" type="checkbox"/>	7. Ketramampilan 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 checked="" 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

Gedung Desain Produk ITS Jl. Despro No.1 Kampus ITS Sukolilo Surabaya. 60111
Hotline Call official : +62315931147 email : despro@its.ac.id

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Course Details

DP184524

Car Styling 1

Car Styling 1

3 credits

Coordinator: Arie Kurniawan, S.T., M.Ds.

Course Form

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Course Type

: Tidak Ada

Minimum Passing Grade

: C

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Courses as well as knowledge about trends and styles of car body design with vision. The implementation of lectures is in the forming development of carbody on visual concepts that can be explained well, clearly and systematically.

LO CLO Assessment & Evaluation Plan Lesson Plan

Course Learning Outcomes

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Curriculum: Kurikulum 2018 S-1 Desain Produk [Show](#)

Code	Description of CLO	Mapping of CLO to LO			Weight of CLO
		LO 6	LO 7	LO 11	
CLO-1	Mempresentasikan desain secara lisan, tulisan, dan multimedia dalam bentuk abstraksi dan visual, secara detail fungsinya pada carstyling <i>Presenting designs orally, in writing, and multimedia in the form of abstractions and visuals, in detail their functions of carbody design</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20%
CLO-2	Mampu mengaplikasikan teknologi dan peralatan yang berkaitan dengan representasi desain secara multi-dimensional (2D dan 3D), dalam pengembangan desain. <i>Able to apply technology and equipment related to multi-dimensional (2D and 3D) design representation in design development</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10%
CLO-3	Mampu menyusun konsep desain dengan metode pengembangan bentuk pada carbody <i>Able to develop design concepts by forming development methods carstyling</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	50%
CLO-4	Mampu membaca trend dan gaya bentuk kendaraan sesuai dengan persona penggunanya <i>Able to read trends and car styling according to the user's persona</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	20%
Total Weight		50%	25%	25%	100%

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Assessment & Evaluation Plan

No.	Evaluation Plan	CLO-1	CLO-2	CLO-3	CLO-4	Total Weight
1	pengembangan bentuk morphology morphologycal forming Studi Kasus Case Method	0%	1%	5%	0%	6%
2	pengembangan bentuk biomimicry biomimicry forming Studi Kasus Case Method	0%	1%	5%	0%	6%
3	persona persona Studi Kasus Case Method	5%	1%	5%	5%	16%
4	identitas merek kendaraan brand identityt Studi Kasus Case Method	5%	1%	5%	5%	16%
5	semiotika semiotics Studi Kasus Case Method	0%	1%	5%	0%	6%
6	batasan manufaktur manufactur analysis Studi Kasus Case Method	0%	1%	5%	0%	6%
7	studi kasus desain mobil case study carstyling Studi Kasus Case Method	5%	2%	10%	5%	22%
8	strategi pengembangan bentuk minor mayor minor & major change Kognitif - Tugas Cognitive - Assignment	5%	2%	10%	5%	22%
TOTAL Target		20% 20%	10% 10%	50% 50%	20% 20%	100% 100%

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Lesson Plan

Weeknum	Course Material	Learning Method	
1	Peran cartyling pada kendaraan <i>The role of cartyling in vehicles</i>	Metode SCL lainnya	 
2	Morfologi bentuk <i>Morphological forming</i>	Case method	 
3	biomimicry <i>biomimicry</i>	Case method	 
4	persona-image board <i>persina image board</i>	Metode SCL lainnya	 
5	trend forecasting <i>trend forecasting</i>	Metode SCL lainnya	 
6	brand identity - bahasa merek <i>brand identity - language design</i>	Metode SCL lainnya	 
7	brand identity research forming <i>brand identity research forming</i>	Case method	 
8	transformasi bentuk <i>transformation forming</i>	Metode SCL lainnya	 
9	iconic, signature & arhetype study <i>iconic, signature & arhetype study</i>	Metode SCL lainnya	 
10	syntactic forming <i>syntactic forming</i>	Metode SCL lainnya	 
11	semantic case study <i>semantic case study</i>	Team-based project	 
12	jiku-kufu forming <i>jiku-kufu forming</i>	Metode SCL lainnya	 
13	aerodynamic vs diamond cuts forming <i>aerodynamic vs diamond cuts forming</i>	Metode SCL lainnya	 
14	Metode kombinasi <i>Combination methods</i>	Team-based project	 
15	minor change & major change <i>minor change & major change</i>	Case method	 
16	presentasi carstyling <i>carstyling presentation</i>	Case method	 
	<div><div>Bahasa Indonesia</div><div>English</div></div>	<div>Choose method ▼</div>	 