

Design Systems DESCRIPTION OF COURSE UNIT

Program Studi Sarjana (S1) Desain Produk Bachelor of Industrial Design (BOID) 2018-2023



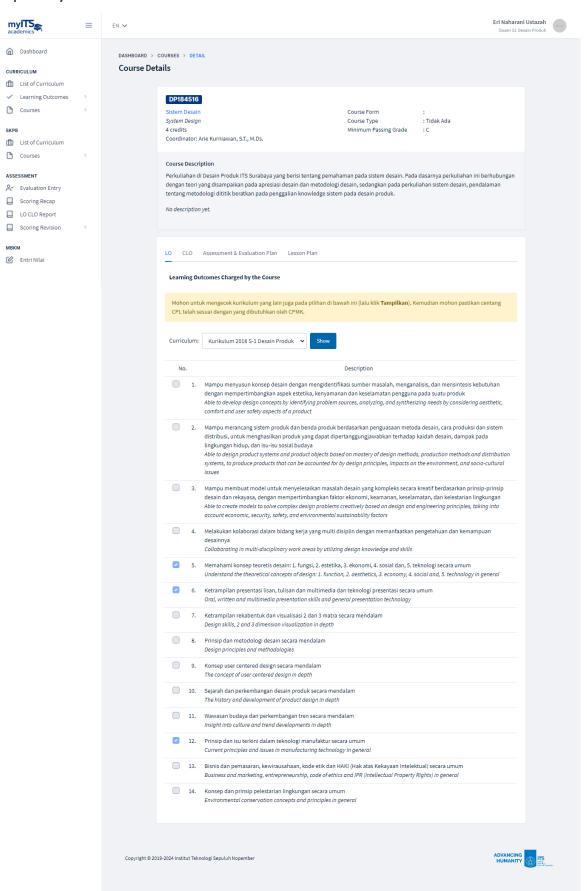
<u>Description of Course Unit</u> according to the ECTS User's Guide 2015

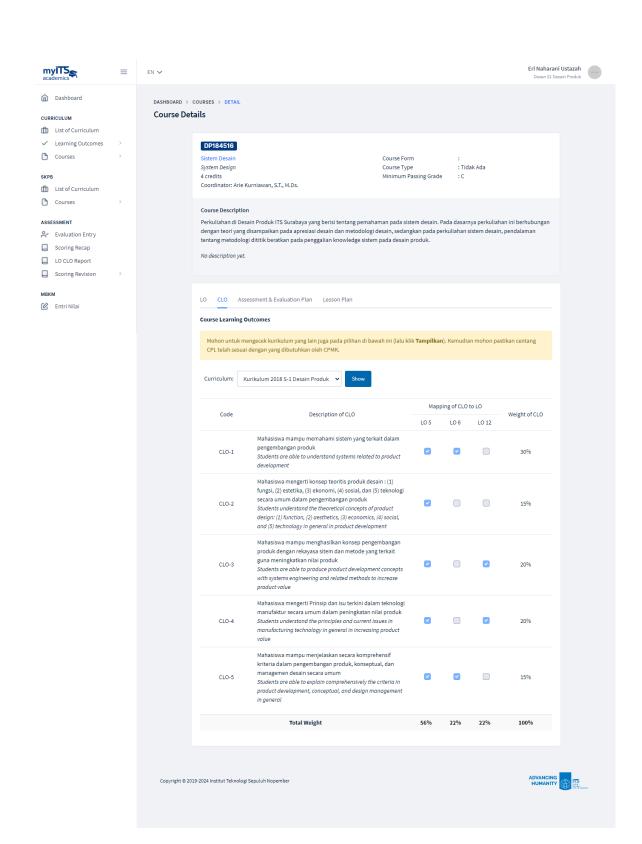
| Course unit title | Design System | | | | |
|--|--|--|--|--|--|
| Course unit code | DP184516 | | | | |
| Type of course unit | Compulsory | | | | |
| Level of course unit | First cycle Bachelor | | | | |
| Year of study when the course unit is delivered | 3 rd year | | | | |
| Semester/trimester when the course unit is delivered | 5 th semester | | | | |
| Number of ECTS credits allocated | 6,4 ECTS Credits | | | | |
| Name of lecturer | Arie Kurniawan, S.T., M.Ds. | | | | |
| Learning outcomes of the course unit | Students will be able to comprehensively explain criteria for: 1. Conceptual products. 2. Design Thinking. 3. Design Factors. 4. Visual Context. 5. Product Management. 6. Design Context. | | | | |
| Mode of delivery | face-to-face | | | | |
| Prerequisites and co-requisites | - | | | | |
| Course content | Creative learning in understanding the economic value of products and adapting product development strategies according to market segmentation needs and sustainable products. | | | | |
| | Modularity System and Product Development. Fractals System and Ornamental Variety Development. Exploration of product system and operation: Movable, foldable, knockdown, stacking, knockdown, and transformable systems. Exploration of the application of product semantic aspects. Interchangeability of Parts & Components. Strategies and Alternative Product Development. Strategies for the Development of Product Variants and Product Line up | | | | |

| Recommended or required reading and other learning resources/tools | Asbhy, Mike and Kara Johnson. 2010. Materials and Design-The Art and Science of Material Selection in Product Design. Burlington: ButterworthHeinemann | | |
|--|---|--|--|
| | Brown, Tim. 2010. Change by Design, HarperCollins | | |
| | Lawson, Bryan.2012. How Designers Think, London: The Architectural Press Ltd | | |
| | Martin, Bella and Bruce Hanington. 2010. Universal Methods of Design100 Ways to Research Complex Problems, Develop Innovative Ideas, and Design Effective Solutions. Massachusetts: Rockport Publishers | | |
| | Nelson, Harold.2012.The Design Way: Intentional Change in Unpredictable World. London : MIT Press | | |
| Planned learning activities and | Discovery Learning; Case Method; Team Based | | |
| teaching methods | Learning | | |
| Language of instruction | Indonesia | | |
| Assessment methods and criteria | Assignment, Project, Midterm Evaluation and Final Evaluation | | |

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Scoring Revision

🖆 Entri Nilai

| .0 | CLO | Assessment & Evaluation Plan | Lesson P | lan | | | | | | | | |
|------|-----------------------------|--|-------------------|-------------------|-------------------|-------------------|---------------------------|---------------------|--|--|--|--|
| sses | ssessment & Evaluation Plan | | | | | | | | | | | |
| No. | Evalu | uation Plan | CLO-1 | CLO-2 | CLO-3 | CLO-4 | CLO-5 | Total Weight | | | | |
| 1 | eksis Unde Desig | ahaman Sistem Desain pada ting erstanding of the existing on Sys I Kasus Case Method | 10% | 5% | 296 | 5% | 2% | 24% | | | | |
| 2 | pada Prodi meth | de pengembangan desain produk uct design development iods proyek Team-based Project | 10% | 3% | 8% | 5% | 2% | 28% | | | | |
| 3 | desa syste | uasi sistem pada produk in <i>m design evaluation</i> I Kasus <i>Case Method</i> | 5% | 396 | 096 | 5% | 2% | 15% | | | | |
| 4 | desig docu | entasi dan dokumentasi In system presentation and menta I proyek Team-based Project | 5% | 496 | 10% | 5% | 9% | 33% | | | | |
| | | TOTAL Target | 30% 30% | 15% 15% | 20% 20% | 20% 20% | 15% <i>15</i> % | 100% 100% | | | | |

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Eri Naharani Ustazah

