

## Design Basics 3 DESCRIPTION OF COURSE UNIT

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



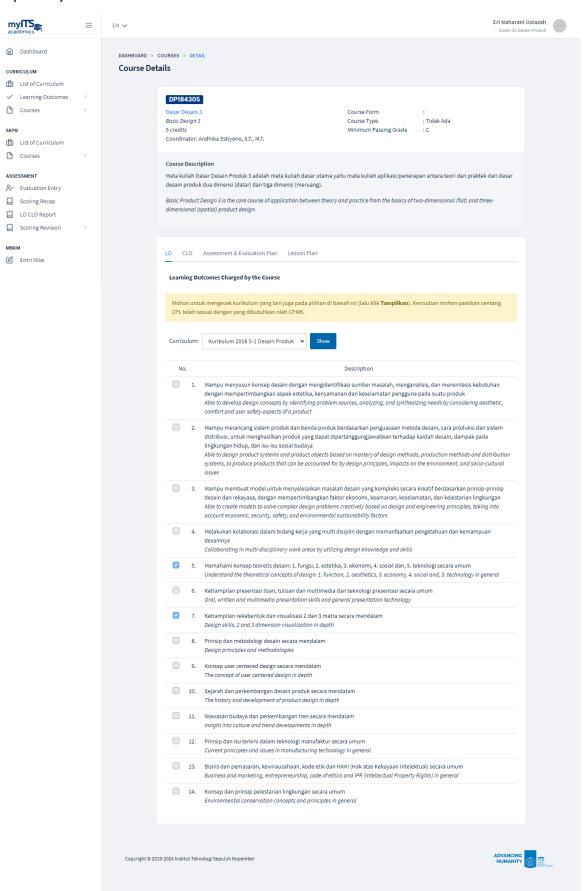
## <u>Description of Course Unit</u> according to the ECTS User's Guide 2015

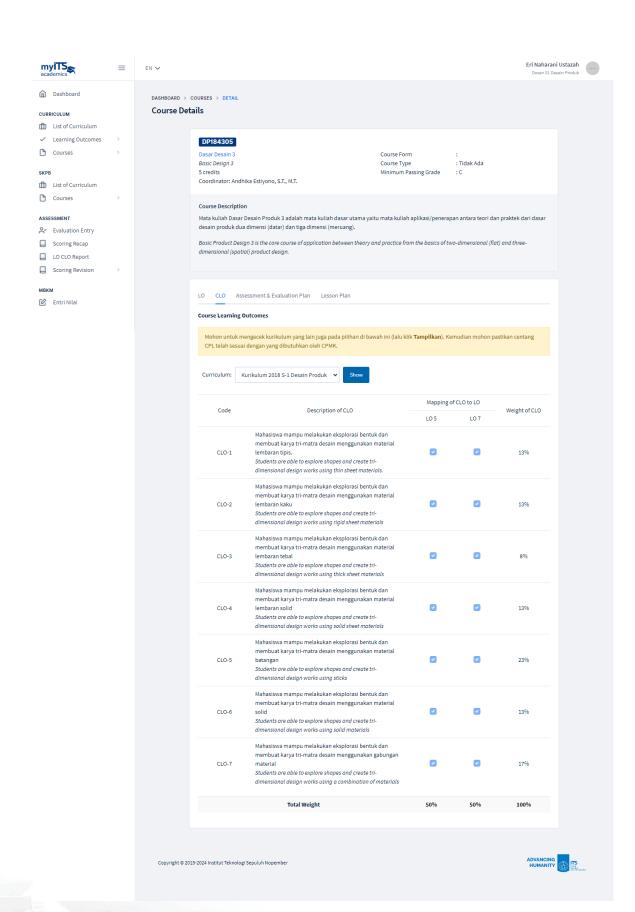
Course unit title	Design Basics 3
Course unit code	DP184305
Type of course unit	Compulsory
Level of course unit	First cycle Bachelor
Year of study when the course unit is delivered	2 <sup>nd</sup> year
Semester/trimester when the course unit is delivered	3 <sup>st</sup> semester
Number of ECTS credits allocated	8 ECTS Credits
Name of lecturer	Andhika Estiyono, S.T., M.T.
Learning outcomes of the course unit	Students are capable of exploring forms and creating three-dimensional design works using various materials: 1. Utilizing thin sheet materials 2. Utilizing rigid sheet materials 3. Utilizing thick sheet materials 4. Utilizing solid sheet materials 5. Utilizing rod materials 6. Utilizing solid materials 7. Utilizing a combination of materials
Mode of delivery	face-to-face
Prerequisites and co-requisites	-
Course content	The Design Basics 3 is a fundamental core course, specifically an applied course that bridges theory and practice, building upon the principles of twodimensional (flat) and three-dimensional (spatial) product design.  1) Introduction to the characteristics of natural and artificial materials that will impact form, such as: Sheets, rods, strands/wires, powder/flour (plaster, sand, cement), lumps (clay, wax), liquid (resin). 2) Introduction to various simple manual tools: hammer, screwdriver, pliers, saw, drill, rasp. 3) Application of tasks related to composition/application of twodimensional aesthetic theories: lines, planes, lines and planes, shape changes, color gradation, form unity, etc., on product
	objects, as well as application of aesthetic theories: harmony, rhythm, form unity, shape and color

	gradation, etc. 4) Application of tasks related to three-dimensional or spatial aesthetic theories: lines, planes, lines and planes, shape changes, color gradation, form unity, etc., on product objects, as well as application of aesthetic theories: harmony, rhythm, form unity, shape and color gradation, etc. 5) Practice applying aesthetics/form unity in 3D on two-dimensional media such as products: Automotive, furniture, street furniture, household items, etc. 6) Practice applying aesthetics/form unity in 3D on three-dimensional media such as products: Lampshades, household items, partitions/dividers, etc.
Recommended or required reading and other learning resources/tools	<ul> <li>Bielefeld, Basic Design Ideas, Boston, Springer, 2007</li> <li>Lidwell, William, Universal Principles of Design, USA: Rockport Publishers, 2003</li> <li>Kimberly, Elam, 2001, Geometry of design, studies ini Proportion and composition, Princeton Architectural Press, 37 East 7th Street, New York, new York 10003</li> <li>Lawson, Bryan, How Designers Think, London, The Architectural Press Ltd</li> <li>Williams, Christopher, Origin Form, New York, Architectural Book Publishing Company, 1981</li> </ul>
Planned learning activities and teaching methods	Discovery Learning; Case Method
Language of instruction	Indonesia
Assessment methods and criteria	Assignment, Project, Midterm Evaluation and Final Evaluation

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A Evaluation Entry

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Scoring Recap  $Basic\ Product\ Design\ 3\ is\ the\ core\ course\ of\ application\ between\ theory\ and\ practice\ from\ the\ basics\ of\ two-dimensional\ (flat)\ and\ three-level product\ product\$ dimensional (spatial) product design. ☐ LO CLO Report

> LO CLO Assessment & Evaluation Plan Lesson Plan Assessment & Evaluation Plan Total Weight 1 Makalah Analisis Estetika Aesthetic Analysis Paper Studi Kasus | Case Method 2 Struktur kertas Paper Structure Studi Kasus | Case Method 3 Fungsi Struktur: Penyangga Laptop Structure Function: Product Studi Kasus | Case Method 4 Eksplorasi Material Batang Lentur Exploration of Bending Rod Material Studi Kasus | Case Method 5 Material Knowledge: Batang Kaku Material Knowledge: Rigid Rod Studi Kasus | Case Method 6 Eksplorasi Material Batang Kaku Rigid Rod Material Exploration Studi Kasus | Case Method & Fungsi Existing Product Review- Form & Studi Kasus | Case Method 8 Eksplorasi Produk Studi Kasus Case Study Product Exploration Studi Kasus | Case Method TOTAL Target

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Eri Naharani Ustazah

