Module and Study Structure Digital Fabrication Design (B.A.)

valid from: winter semester 2026/2027

HBK ESSEN

1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester
Design Basics: 2D BA-DFD-M1 (P) 6 CP | 4 SWS | not graded	**Design Methods 1** BA-DFD-M5 (P) 6 CP | 4 SWS | graded	**Design Methods 2** BA-DFD-M8 (P) 6 CP | 4 SWS | graded	**Designing Complexity** BA-DFD-M11 (WP) LV: see course catalogue 9 CP | 4 SWS | graded	**Internship or studies abroad** BA-DFD-P (P) 30 CP | 2 SWS | not graded	**Disruptive Design** BA-DFD-M13 (WP) LV: see course catalogue 9 CP | 4 SWS | graded	**B.A. Thesis** **B.A. Colloquium** BA-DFD-A (P) LV: B.A. Thesis DFD-A1 12 CP | 0 SWS | graded
Design Basics: 3D BA-DFD-M2 (P) 6 CP | 4 SWS | not graded	**Designing Interactive Systems** BA-DFD-M6 (P) 6 CP | 4 SWS | graded	**Designing Embedded Systems** BA-DFD-M9 (P) 6 CP | 4 SWS | graded	**Cultural Fabrication** BA-DFD-M12 (WP) LV: see course catalogue 9 CP | 4 SWS | graded		**Speculative Fabrication** BA-DFD-M14 (WP) LV: see course catalogue 9 CP | 4 SWS | graded	LV: B.A. Colloquium DFD-A2 6 CP | 2 SWS | not graded
Digital Fabrication 1 BA-DFD-M3 (P) 6 CP | 4 SWS | not graded	**Digital Fabrication 2** BA-DFD-M7 (P) 6 CP | 4 SWS | graded	**Digital Fabrication 3** BA-DFD-M10 (P) 6 CP | 4 SWS | graded				
Practical Basis BA-DFD-PB (P) DFD-PB1 LV: Electronics Lab 3 CP | 2 SWS | not graded	DFD-PB4 LV: Photography Lab 3 CP | 2 SWS | not graded	DFD-PB6 LV: Rendering Lab 3 CP | 2 SWS | not graded	**Practical Specialization 1** BA-DFD-PV1 (WP) DFD-PV1.1 LV: see course catalogue 3 CP | 2 SWS | not graded		**Practical Specialization 2** BA-DFD-PV2 (WP) DFD-PV2.1 LV: see course catalogue 3 CP | 2 SWS | not graded	LV: Presentation DFD-A3 6 CP | 2 SWS | not graded
DFD-PB2 LV: Mold Making Lab 3 CP | 2 SWS | not graded	DFD-PB5 LV: Materials Research Lab 3 CP | 2 SWS | not graded	DFD-PB7 LV: Structural Design Lab 3 CP | 2 SWS | not graded	DFD-PV1.2 LV: see course catalogue 3 CP | 2 SWS | not graded		DFD-PV2.2 LV: see course catalogue 3 CP | 2 SWS | not graded	
DFD-PB3 LV: Woodworking Lab 3 CP | 2 SWS | not graded	**Subject-specific Theory 1** DW-FT1.1 LV: History and Theory of Design 1 3 CP | 3 SWS | not graded	DW-FT1.2 LV: History and Theory of Design 2 3 CP | 2 SWS | graded	DFD-PV1.3 LV: see course catalogue 3 CP | 2 SWS | not graded		DFD-PV2.3 LV: see course catalogue 3 CP | 2 SWS | not graded	**Subject-specific Theory 2** LV: Research project / colloquium DW-FT2.6 6 CP | 1 SWS | not graded
Theory 1 BA-T1 (P) LV: Design Theory DW-T1.4 3 CP | 3 SWS | graded	DW-T1.5 LV: Perception+ Media Theory 3 CP | 2 SWS | not graded	**Theory 2** BA-T2 (WP) LV: Philosophy + Aesthetics DW-T2.1 o. Design and Ethics DW-T2.2 3 CP | 2 SWS | not graded	LV: Research-based Design DW-T2.3 o. Contract Law + Copyright Law DW-T2.6 3 CP | 2 SWS | graded		**Subject-specific Theory 2** BA-FT2 (WP) LV: DW-FT2.3 o. DW-FT2.4 o. DW-FT2.7 3 CP | 2SWS | graded	

Field of Study Methods and Projects
Field of Study Workshops and Laboratories
Field of Study Theory

(P) = Pflichtmodul / Obligatory module
(WP) = Wahlpflichtmodul / Elective module
BA-*** = Modulkennung / Module ID

CP = Credit Points
SWS = Semesterwochenstunden / Contact hours per week
LV = Lehrveranstaltung / Course