Product Design Courses

Courses

PD 101. Introduction to Product Design. 4 Credits.
This course is an introduction to the Product Design profession and its cultural relevance. Lectures, reading and projects convey theory (critical thinking), designers (history), design methods (CAD, drawing, building), and storytelling (documentation / presentation) to give a foundation in product innovation, creation, and portfolio generation.

PD 198. Workshop: [Topic]. 1-12 Credits.
Repeatable.

PD 199. Special Studies: [Topic]. 1-5 Credits.
Repeatable.

PD 223. Beginning Design Drawing. 4 Credits.
Focuses on perspective, line weight, construction with primary shapes, and shading in the creation of three-dimensional objects.

PD 240. Designers' Tools. 4 Credits.
Fundamental construction methods for design. Develop and understanding material properties and the use of specific tools through the design, development and construction of two projects.

PD 301. Introduction to Design Studio. 4 Credits.
Introduction to a studio based design course that combines theory and practice with a series of assignments and projects.
Prereq: PD 223, PD 240, PD 330.

PD 302. Introduction to Design Studio II. 4 Credits.
Integrate 2D and 3D communication and presentation skills to develop project-based design solutions.
Prereq: PD 301; coreq: PD 323.

PD 323. Design Drawing. 4 Credits.
Introduces specific techniques in drawing and modeling objects and their spatial context; the demonstration and implementation of various media and types of drawing. Repeatable once for a maximum of 8 credits.
Prereq: ART 115, PD 223.

PD 330. Introduction to Computer Aided Design. 4 Credits.
Introduction to computer-assisted design (CAD) in which students learn virtual design and physical manufacturing relationships and techniques.

PD 340. Design for Use. 4 Credits.
Provides the basic theoretical underpinnings for considering the socio-cultural background and design of products. Lectures and readings present main issues; discussions complete conceptual principals.
Prereq: PD 350.

PD 350. Objects and Impacts. 4 Credits.
Explores how design influences and is influenced by materials and manufacturing processes. Lectures, readings, and discussions present sustainability, aesthetic, and functional aspects of product design.
Prereq: PD 370.

PD 370. Design Process. 4 Credits.
Introduces design processes, from theoretical to professional, using readings, guest lectures, and experimental new structures.

PD 399. Special Studies: [Topic]. 1-5 Credits.
Repeatable.

PD 400M. Temporary Multilisted Course. 1-5 Credits.
Repeatable.

PD 401. Research: [Topic]. 1-12 Credits.
Repeatable with change of topic.

PD 404. Internship: [Topic]. 1-12 Credits.
Repeatable twice for a maximum of 12 credits with change of topic.

PD 405. Special Problems: [Topic]. 1-12 Credits.
Repeatable.
Prereq: instructor's permission.

PD 406. Practicum: [Topic]. 1-12 Credits.
Repeatable with change of topic.
Prereq: instructor's permission.

PD 407. Seminar: [Topic]. 1-4 Credits.
Repeatable.

PD 408. Workshop: [Topic]. 1-6 Credits.
Repeatable with change of topic.

PD 410. Experimental Course: [Topic]. 1-6 Credits.
Repeatable.

PD 430. Computer-Assisted Design and Production. 4 Credits.
Meshes virtual design and physical design as students work on projects using shop tools and computer-aided design and manufacturing software and equipment.
Prereq: ART 115, ART 116, PD 223.

PD 483. Advanced Studio I. 4 Credits.
Design studio focuses on personal questions that are explored through active design development. Questions may relate to issues of user interface, sustainability, or societal problems. Repeatable twice for a maximum of 12 credits.
Prereq: PD 302, PD 340.

PD 484. Advanced Studio II. 4 Credits.
Design studio focuses on global questions explored through active development. Questions may relate to issues of user interface, sustainability, or societal problems. Repeatable twice for a maximum of 12 credits.
Prereq: PD 302, PD 340.

PD 485. Advanced Studio III. 4 Credits.
Design studio focuses on corporate questions that are explored through active design development. Questions may relate to issues of user interface, sustainability, or societal problems. Repeatable twice for a maximum of 12 credits.
Prereq: PD 302, PD 340.

PD 486. BFA Studio I. 6 Credits.
Explores problems that stress design development through innovation and the responsibility to solve complex societal, functional, and aesthetic issues. Seminar component fosters theoretical, professional, and creative discussion.

PD 487. BFA Studio II. 6 Credits.
Second course in series of interactive studios in which students engage in independent project-based learning. Sequence with PD 486, PD 488.
Prereq: PD 486, BFA standing.

PD 488. BFA Studio III. 6 Credits.
Third course in series of interactive studio in which students engage in independent project-based learning. Sequence with PD 486, PD 487.
Prereq: PD 487, BFA standing.

PD 510. Experimental Course: [Topic]. 1-6 Credits.
Repeatable.