Three-Dimensional Design Courses (Art and Art History) (TDSN)

This is a list of all 3-D design courses. For more information, see Art and Art History.

TDSN:2210 Problems in 3-D Design 4 s.h.
Materials, their formal and structural possibilities. Prerequisites: ARTS:1510 and ARTS:1520.

TDSN:2240 Digital Drafting with AutoCAD 4 s.h.
Basic principles of 2-D and 3-D computer-aided drafting; use of AutoCAD software to draw plans, elevations, and sections for objects and interior spaces. Prerequisites: CERM:2010 or SCLP:2810 or TDSN:2210 or MTLS:2910. Same as CEE:2240.

TDSN:2250 Computer Modeling with 3ds Max 4 s.h.
Basic knowledge and practical technical skills using 3ds Max studio software; experience creating and manipulating basic forms and working with texture, background, light, and camera viewpoints; basic animation. Prerequisites: CERM:2010 or SCLP:2810 or TDSN:2210 or MTLS:2910.

TDSN:3200 Product Design 4 s.h.
How objects are designed and structured; modeling, graphic skills necessary for basic project development. Prerequisites: TDSN:2250.

TDSN:3205 Advanced Robotics 3 s.h.
Advanced peripheral integration and control, including stepper motors, solar power, audio playback, and live data manipulation through physical sensors; advanced fabrication (e.g., printed circuit boards and wiring harness design); for students with previous experience in robotics and electronics. Prerequisites: SCLP:3840.

TDSN:3220 Interior Design 4 s.h.
Relationship of interior space to its architecture, environment, human element; color, materials, furnishings, lighting; projects. Prerequisites: TDSN:2250.

TDSN:3230 Color for Interior Design 4 s.h.
Use of color for interior spaces; principles of color theory reviewed and applied to 3-D environments; color as a compositional element and psychological tool. Prerequisites: TDSN:2250.

Three-dimensional computer-aided drafting; use of AutoCAD software. Prerequisites: MTLS:2910 or SCLP:2810 or CERM:2010 or TDSN:2210.

TDSN:3250 Bicycle Design 4 s.h.
Drafting software, bicycle design, and history of bicycle from velocipede to mountain bikes; development of bicycle design as new materials, fabrication techniques, and ergonomics were applied; use of BikeCad, a parametric software, to design bicycles and bicycle components. Prerequisites: ARTS:1510 and ARTS:1520. GE: Engineering Be Creative.

TDSN:3260 Design for Production 4 s.h.
TDSN:4299 Undergraduate Individual Instruction  arr.
Individual instruction in 3-D design for advanced students.

TDSN:6299 Individual Instruction in 3-D Design  arr.
Individual instruction in 3-D design for advanced students.