Technology, Art and Design - Design Courses

TADD 1430 Design Foundations (4 credits)
This course introduces students to fundamental concepts and application of both two and three-dimensional design. Students gain an understanding of the principles of design, the design process, and design as a profession.

TADD 1440 Drawing Foundations (4 credits)
Two-dimensional visual design and problem solving through introductory drawing experiences. An introduction to the various methods and techniques along with use of materials and understanding of the elements of design and drawing. Students gain a psychological understanding of the connection between humans and nature and the influence of natural forms in the creative process. Liberal Education Goal Area 6.

TADD 1460 Introduction to Digital Imaging (4 credits)
This course will explore digital photography and imaging techniques with special application to art and communication, with an emphasis on the principles of photography.

TADD 2317 Painting: Watercolor (4 credits)
Gives students a basic foundation in painting. Students investigate basic materials, techniques, and form and content as applied to painting. Liberal Education Goal Area 6.

TADD 2319 Painting: Oil (4 credits)
Further develops students' understanding of painting. Students investigate use of materials, techniques, form, and content as applied to painting.

TADD 2440 2D Design Software (4 credits)
An introduction to 2D digital techniques used to create and edit bitmap, vector, and metafile graphic images for various print and digital outputs. Students gain experience in the ideation and critical thinking process used to design and analyze imagery.

TADD 2517 Printmaking: Relief (4 credits)
This course will introduce students to basic concepts involving relief printmaking techniques and aesthetic issues within traditional printmaking practices. Students will explore the hand processes of relief printmaking: woodcut, linoleum block, monotype, solar etching and collagraph. Slide lectures, videos, critiques, demonstrations, discussions and reflective writing will support farther development of students skills, along with learning how to evaluate visual art within historical and contemporary context.

TADD 2519 Printmaking: Silkscreen/Intaglio (4 credits)
This course will explore the screen printing process, from image preparation to actual textile and paper printing. Students will create designs, prepare screens and burn screens, and print on several types of media.

TADD 2925 People of the Environment: Technology, Art, and Design Perspective (3 credits)
Discussion and evaluation of current environmental topics related to technology, art, and design. Liberal Education Goal Area 10.

TADD 3251 Watercolor/Aqueous Media (3 credits)
Concentration on the study of composition, color and light, leading to an understanding of watercolor and/or acrylics. Prerequisite: VSAR 2250 or consent of instructor.

TADD 3420 Introduction to Exhibit Design (4 credits)
This course is an introduction to exhibit design. Emphasis is on the inventiveness of creating immersive experiences. Students will gain experience in the ideation, creativity, and critical thinking process. This course will apply the design process, color, lighting, space planning, materials, furnishings, details, computer software, and other technologies specific to the field of exhibit design.

TADD 3430 Introduction to Graphic Design (4 credits)
This course is an introduction and overview of the graphic design profession. Through lecture, demonstration, research and studio experience, students become familiar with the conceptual and visual processes of the working graphic designer. Prerequisites: TADD 1430, TADD 1440.

TADD 3440 3D Design Software (4 credits)
A comprehensive study of 3D computer modeling and rendering as it relates to spatial definition and form in exhibition design.

TADD 3450 History of Modern Design (4 credits)
An advanced level survey of major movements and tendencies, and key figures in the development of graphic, craft, and industrial design between the mid-nineteenth century and the present day. Liberal Education Goal Area 6.

TADD 3548 Advanced 3D Design (4 credits)
Includes topics on advanced 3D modeling and digital-video editing techniques. Focuses on 3D modeling, materials, lighting, and rendering. In combination with the 3D elements, also includes topics on video production, menu design, and video delivery methods. Prerequisites: TADD 1440, TADD 2440, TADD 3440, or consent of instructor.

TADD 3549 Interactive Design (4 credits)
Focuses on digital media development tailored towards interactive design. Includes topics on digital-signage, web design, animation, and application development. Prerequisites: TADD 1440, TADD 2440, TADD 3440, or consent of instructor.

TADD 3568 Exhibit Design/Trade Show (4 credits)
Focused study of the essential components of exhibition design as they relate to designing for the trade show industry. Engages the exhibit designer in project proposal and design of trade show booths of various types and sizes. Includes concepts relating to "green," modular/portable booths, fabric design solutions, and designing from an RFP. Prerequisites: TADD 1440, TADD 2440, TADD 3440, or consent of instructor; Corequisite: May be taken concurrently with TADD 3440.

TADD 3569 Exhibit Design/Environments (4 credits)
Focused study of the essential components of the exhibition design industry as they relate to designing for three-dimensional environments such as corporate lobbies, educational/museum exhibits, outdoor installations/museums, visitor centers, etc. Prerequisites: TADD 1440, TADD 2440, TADD 3440, or consent of instructor; Corequisite: May be taken concurrently with TADD 3440.

TADD 3578 Typography (4 credits)
A theoretical and practical study of the visual nature and expressive potential of digital type forms as a fundamental tool of the graphic designer. Students also practice digital print production that includes preparation of all digital typographic and/or graphic assets, and digital layout assembly to create single, spot, and process color documents. Prerequisites: TADD 2440 or consent of instructor.

TADD 3579 Branding and Packaging (4 credits)
A theoretical and practical study of the visual and conceptual problems related to branding and packaging. Students also practice digital print production management techniques for all digital assets, and digital layout assembly to create 3D package design, visual identity systems, and related marketing materials. Prerequisites: TADD 2440 or consent of instructor.

TADD 3648 Color Theory (4 credits)
Addresses basic principles of color theories and applications of color in drawing, painting, and design. Using a variety of materials, tools, and techniques, students work on projects that demonstrate concepts such as color mixing, color interaction, color space, color emphasis, and color emotion. Prerequisites: TADD 1440 or consent of instructor. Liberal Education Goal Area 6.

TADD 3658 Drawing: Figure (4 credits)
A continued study and application of design elements and principles with a focus on expressive drawing. Drawing materials, papers, and techniques are explored, with an increased use of color. Prerequisites: TADD 1440, or consent of instructor.

TADD 3659 Drawing: Still Life (4 credits)
Expanded instruction in drawing the human figure. This course allows the student to expand his/her knowledge and technical fluency on an individual basis, and encourages personal expression and development. Prerequisites: TADD 1440, or consent of instructor.

TADD 3748 Ceramics/Hand Building (4 credits)
The study and application of hand building for 3-dimensional visual design and problem solving that is integrated with the introduction to basic forming methods, glazing and firing of ceramic forms. Liberal Education Goal Area 6.

TADD 3749 Ceramics/Wheel (4 credits)
Three-dimensional visual design and problem solving is integrated with an introduction to potters wheel forming methods, glazing, and firing of ceramic forms. Liberal Education Goal Area 6.

TADD 3900 Junior Culmination (2 credits)
This course is designed to prepare design students for employment in the design industry. Topics include resume creation, goal setting, self-promotion and interviewing techniques. Students will also gain an understanding of personnel management issues, leadership and management styles, basic business principles and models. Prerequisites: Junior level status and consent of instructor.

TADD 4450 Studio Arts Senior Culmination (4 credits)
An examination and application of the functions and means of developing a well-designed art exhibition, culminating in an on-campus individual or group exhibition of an Art and Design major's personal art work. Thesis projects may culminate in research or experiential activities.

TADD 4549 Advanced Media Design (4 credits)
Focuses on combining several digital media elements. Combines 3D modeling, video-production, audio-production, and interactive delivery methods in order to produce advanced digital media content. Prerequisites: TADD 3548, TADD 3549, or consent of instructor.

TADD 4569 Advanced Exhibit Design (4 credits)
Advanced application of exhibit industry design concepts. Includes custom booths, exhibit construction systems, and flexible modular/portable designs. Students are also engaged in various aspects of project management, cost estimation, and budgeting. Prerequisites: TADD 3568, TADD 3569, or consent of instructor.

TADD 4579 Advanced Graphic Design (4 credits)
An advanced study of graphic design and its application in solving practical and complex visual problems. Prerequisites: TADD 3578, TADD 3579, or consent of instructor.

TADD 4630 Topics in Design (2-4 credits)
Research, advanced exploration, and/or applied study of various topics related to design.

TADD 4649 Advanced Painting (4 credits)
Further develops students' understanding of painting. Students investigate use of materials, techniques, form, and content as applied to painting. Prerequisites: TADD 3649 or consent of instructor.

TADD 4659 Art History (4 credits)
Through lectures, readings, gallery visits, and hands-on activities, students develop an understanding of the elements and principles of art, a basic vocabulary for describing visual art, a general understanding of the role art has played throughout history, and contemporary trends.

TADD 4808 Special Readings (2 credits)
Reading assignments related to studio research. Prerequisite: Consent of instructor.

TADD 4900 Senior Culmination (2 credits)
This course will focus on the preparation and presentation of a professional portfolio. Prerequisites: TADD 3900 and consent of instructor.

All-University Courses

The course numbers listed below, not always included in the semester class schedule, may be registered for by consent of the advisor, instructor, or department chair, or may be assigned by the department when warranted. Individual registration requires previous arrangement by the student and the completion of any required form or planning outline as well as any prerequisites.

1910, 2910, 3910, 4910 DIRECTED INDEPENDENT STUDY
1920, 2920, 3920, 4920 DIRECTED GROUP STUDY
1930, 2930, 3930, 4930 EXPERIMENTAL COURSE
1940, 2940, 3940, 4940 IN-SERVICE COURSE
1950, 2950, 3950, 4950 WORKSHOP, INSTITUTE, TOUR
1960, 2960, 3960, 4960 SPECIAL PURPOSE INSTRUCTION
1970, 2970, 3970, 4970 INTERNSHIP
1980, 2980, 3980, 4980 RESEARCH
1990, 2990, 3990, 4990 THESIS