

GRA: GRAPHIC ARTS

| Courses | Credit(s) | Contact | Lab |
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| GRA 1109. HISTORY OF GRAPHIC DESIGN. HISTORY OF GRAPHIC DESIGN This course explores the contemporary, historical, cultural and technological trends and advances which influence graphic design industry practices of today. | 3 | 3 | 0 |
| GRA 1142C. GRAPHIC DESIGN ESSENTIALS. GRAPHIC DESIGN ESSENTIALS An introduction to a variety of visual communication principles, methods and careers in today's computer age. Typography, design, layout, color, production, and introduction to an industry - standard personal computer and software for production of graphics and multimedia all are explored. This course includes learning activity designed to ensure competence in oral communication. (Special Fee: \$117.00). | 5 | 5 | 2 |
| GRA 1180C. PORTFOLIO PREP. PORTFOLIO PREP Prerequisites: Minimum grades of C in GRA 2113C or GRA 2133C or department approval. This course is designed to get students prepared to do an internship and to help them prepare to be successful in their capstone course, Portfolio Review. Students will take a comprehensive exam, work on their personal brand, design their resumes, develop self-promotional items, and conduct an audit of their work. (Special Fee: \$117.00). | 1 | 1 | 1 |
| GRA 1203C. LAYOUT, DESIGN AND COPY PREPARATION. LAYOUT, DESIGN AND COPY PREPARATION Prerequisites: Minimum grade of C in GRA 1142C or department approval. A practical course in utilizing industry-standard layout software to convert rough ideas into technically sound print-ready layouts. Students are encouraged to apply various design fundamentals, such as color, balance, hierarchy and the typographic grid. (Special Fee: \$117.00). | 3 | 3 | 1 |
| GRA 1206C. FUNDAMENTALS OF TYPOGRAPHY. FUNDAMENTALS OF TYPOGRAPHY Prerequisites: Minimum grade of C in both GRA 1142C and GRA 1413; or minimum grade of C in both DIG 2109C and DIG 1940; or department approval. Includes the history and classification of type. Contemporary type usage will be explored. Projects in type design and production include the use of a personal computer and industry-standard software. (Special Fee: \$117.00). | 3 | 3 | 1 |
| GRA 1413. PROFESSIONAL DEVELOPMENT FOR DESIGNERS. PROFESSIONAL DEVELOPMENT FOR DESIGNERS Students will learn how to best prepare for a career in design. Activities include developing an educational plan, and learning about employer expectations such as how to prepare for an internship or employment, designing a résumé, how to develop a portfolio and the importance of networking. | 1 | 1 | 0 |
| GRA 1751. INFORMATION ARCHITECTURE. INFORMATION ARCHITECTURE Provides instruction in user interaction and user experience to assist students in learning to research, plan, organize and develop an interactive solution. Logical thinking and creative problem solving processes used for planning interactive solutions, especially those found on the internet, will be provided. Special emphasis on visual communication fundamentals, problem solving, content strategy, sitemaps, wireframes, user interaction and user experience will be covered. | 2 | 2 | 0 |

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| GRA 1933C. FUNDAMENTALS OF CREATIVE THINKING. FUNDAMENTALS OF CREATIVE THINKING A course designed to encourage creative thinking and problem solving through group and individual projects, activities and discussions. The course will include a study of characteristics of a creative mind, alternative design approaches, creative process, creative problem-solving, assessing and increasing growth of creative potential. (Special Fee: \$117.00). | 3 | 2 | 1 |
| GRA 1951C. PORTFOLIO REVIEW. PORTFOLIO REVIEW Prerequisite: Minimum grade of C in GRA 1180C and minimum grade of C in either GRA 2182C or GRA 2143C or departmental approval.. This course is designed to help students prepare their portfolios, professionally produce their self-promotional items, and gain valuable interviewing skills. Students participate in an interview conducted by a panel of professionals as a portion of their grade. (Special Fee: \$117.00). | 1 | 1 | 1 |
| GRA 1956C. PHOENIX DESIGN PROJECT. PHOENIX DESIGN PROJECT Prerequisite: A minimum grade of C in GRA 1206C or department approval. Students will be charged with the tasks of working with the editorial staff of the Phoenix (the college's literary magazine) to design and produce a finished layout for print. Each spring term a small group of students will work alongside Phoenix's editorial staff and faculty advisor to transform student submissions of literary work and visual artwork into a finished publication. This publication will be submitted for competition with other student literary publications. (Special Fee: \$117.00). | 3 | 3 | 1 |
| GRA 2113C. ADVANCED GRAPHIC DESIGN I. ADVANCED GRAPHIC DESIGN I Prerequisites: Minimum grades of C in GRA 1203C and GRA 1206C or department approval. Addresses practical problems relevant to contemporary industry standards in graphic design. Emphasis is placed on producing concept-to-execution advertising design campaigns and developing work for portfolio. (Special Fee: \$117.00). | 3 | 1 | 2 |
| GRA 2121C. PUBLICATION DESIGN. PUBLICATION DESIGN Prerequisite: Minimum grade of C in both GRA 1203C and GRA 1206C. This course is designed to provide students with hands on usage of high-end publishing software and hardware for the production of quality publications. A focus on good graphic design skills will include: composition, layout, typography, pagination, style, balance, format and project planning. (Special Fee: \$117.00). | 3 | 3 | 1 |
| GRA 2132C. ADVANCED INTERACTIVE DESIGN. ADVANCED INTERACTIVE DESIGN Prerequisite: Minimum grade of C minimum grade of C in GRA 2133C or departmental approval. Students learn advanced techniques to produce interactive design projects. Students design projects through various steps of development, implementation, testing, and final output. Special attention is given to scripting, design considerations for output media and system configurations. Vector and bitmapped graphics software, video, sound, and authoring software will be utilized. (Special Fee: \$117.00). | 3 | 3 | 1 |
| GRA 2133C. INTERMEDIATE WEB DESIGN. INTERMEDIATE WEB DESIGN Prerequisites: Minimum grade of C in GRA 2141C and GRA 2723C or department approval. Provides intermediate instruction in the most current applications and coding languages being used in the industry to assist students in the creation of web pages. Instruction on proper coding of the pages with consideration of various platforms and cross-platform testing will be provided. Special emphasis on visual communication techniques, web design principles, responsive web design and intermediate coding skills will be covered. (Special Fee: \$117.00). | 3 | 3 | 1 |

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| GRA 2141C. WEB PAGE DESIGN. | 3 | 3 | 1 | GRA 2207C. ADVANCED IMAGE EDITING. | 3 | 3 | 1 |
| WEB PAGE DESIGN Prerequisite: Minimum grades of C in DIG 2100C and GRA 1206C and GRA 2201C or departmental approval. Provides instruction in the most current applications being used in the industry for production of web pages. Proper coding of the pages with consideration of various platforms will be provided. Special emphasis on good design, proper usage of typography and images for delivery on the Internet will be covered. (Special Fee: \$117.00). | | | | ADVANCED IMAGE EDITING Prerequisite: GRA 2201C and GRA 2156C with a minimum grade of a C or departmental approval Exploration of advanced image processing techniques. Students will learn how to prepare images for various output venues, including print, web and multimedia publishing, animation and video. Projects focus on resolution, color management, image and texture creation, and special effects. Industry- standard hardware and software will be utilized. (Special Fee: \$117.00). | | | |
| GRA 2143C. ADVANCED WEB PAGE DESIGN. | 3 | 3 | 1 | GRA 2225C. ADVANCED TYPOGRAPHY. | 3 | 3 | 1 |
| ADVANCED WEB PAGE DESIGN Prerequisite: Minimum grades of C in GRA 2133C and GRA 2724C or department approval. Advanced tools and techniques will be taught enabling students to produce sophisticated, interactive Web sites according to audience needs and capabilities. Understanding of Web site maintenance and administration will be covered. (Special Fee: \$117.00). | | | | ADVANCED TYPOGRAPHY Prerequisites: Minimum grades of C in GRA 1206C and GRA 1413 This course provides students with the opportunity to advance their typographic understanding and application beyond the fundamental level. Students will be given the opportunity to design advanced typographic solutions for their visual portfolio. (Special Fee: \$117.00). | | | |
| GRA 2151C. ILLUSTRATING. | 3 | 3 | 1 | GRA 2310C. GRAPHIC REPRODUCTION PROCESSES. | 3 | 3 | 1 |
| ILLUSTRATING Prerequisites: ART 1300C and a minimum grade of C in GRA 1142 or department approval. A basic course in the application of various traditional (non-computer) illustration styles, materials, and techniques used to visually communicate. (Special Fee: \$117.00). | | | | GRAPHIC REPRODUCTION PROCESSES Prerequisites: Minimum grade of C in GRA 2121 or department approval Fundamentals of single and multi-color layout and pre-press production will be introduced. Traditional production techniques and current usage of a personal computer, software, and peripherals will be studied. Course includes lecture and field trips to local graphic arts production and printing facilities. (Special Fee: \$117.00). | | | |
| GRA 2156C. VECTOR ILLUSTRATION. | 3 | 3 | 1 | GRA 2425. BUSINESS & ETHICS OF GRAPHIC DESIGN. | 3 | 3 | 0 |
| VECTOR ILLUSTRATION Prerequisites: Minimum grade of C in ART 1300C and a minimum grade of C in either DIG 2109C or GRA 1142C; or departmental approval. A course covering the concepts of electronic publishing and the ability to create and manipulate full color graphic illustrations. Students will receive training on Adobe Illustrator or the most current vector illustration program standard in the industry. Class lecture will be supported with handouts and demonstrations. (Special Fee: \$117.00). | | | | BUSINESS & ETHICS OF GRAPHIC DESIGN Prerequisite: Minimum grade of C in GRA 1142C This course helps students understand fundamental business operations, procedures, contracts, copyright laws, etiquette, and ethical concerns specific to the graphic design industry. | | | |
| GRA 2160C. COMPUTER ANIMATION. | 3 | 3 | 1 | GRA 2585C. USER INTERFACE DESIGN. | 3 | 3 | 1 |
| COMPUTER ANIMATION Prerequisite: ART 1300C and GRA 2156C or GRA 2156 with a minimum grade of a C or departmental approval Instruction in the use of a personal computer to generate 2-D images and incorporate them into animated sequences. Principles of traditional animation, storyboard and animation effects will be explored and applied to computer imagery. Students will become familiar with the necessary hardware and software to create and output animated images. (Special Fee: \$117.00). | | | | USER INTERFACE DESIGN Prerequisites: Minimum grade of C in GRA 1751 and GRA 1142C or departmental approval. Provides instruction in user interface design to assist students in learning to research, plan, organize and develop interactive solutions for a variety of user interfaces and user experiences. Special emphasis on visual design fundamentals, problem solving, design process, emerging trends, user interaction and experience will be covered. (Special Fee: \$117.00). | | | |
| GRA 2182C. ADVANCED GRAPHIC DESIGN II. | 3 | 1 | 2 | GRA 2723C. CSS DESIGN. | 3 | 3 | 1 |
| ADVANCED GRAPHIC DESIGN II Prerequisite: GRA 2113C with a minimum grade of C or departmental approval. Comprehensive course involving in-depth study of advanced design problem solving. Includes marketing strategies, exploring design solutions, dealing with clients, estimating costs, presentation and production techniques. (Special Fee: \$117.00). | | | | CSS DESIGN Prerequisites: Minimum grade of C in DIG 2100C or department approval. Students will apply the fundamentals of visual communication and typography acquired in prerequisite courses and advance their knowledge of CSS (Cascading Style Sheets) to plan, design, and develop standards- compliant to create effective, accessible Web pages. (Special Fee: \$117.00). | | | |
| GRA 2201C. ELECTRONIC IMAGING. | 3 | 3 | 1 | GRA 2724C. ADVANCED CSS DESIGN. | 3 | 3 | 1 |
| ELECTRONIC IMAGING Prerequisites: GRA 1142 or departmental approval Utilizing the most current industry standard image editing software, this course is designed for the intermediate to the experienced graphic designer black and white or color imagery into their page layout or web design projects. Program features will be utilized to create original bitmapped images, edit scanned images, design graphics for web pages and import images rendered in other applications. Emphasis will be placed on the application of good design principles through projects based on typical assignments within the industry. (Special Fee: \$117.00). | | | | ADVANCED CSS DESIGN Prerequisite: Minimum grade of C in GRA 2723C or departmental approval Students will apply visual communication, creative problem solving and typographic layout techniques to create advanced level web site solutions for their professional portfolios. Students will plan, design, and develop standards-compliant, visually attractive web pages utilizing advanced CSS (Cascading Style Sheets) and other industry standard software and coding languages. (Special Fee: \$117.00). | | | |

GRA 2755C. WEB DEVELOPMENT FOR DESIGNERS. 3 3 1

WEB DEVELOPMENT FOR DESIGNERS Prerequisites: Minimum grades of C in GRA 2143C and GRA 2132C or department approval. This course allows front-end web designers to further develop their skills and understanding in current industry-standard back-end web development. (Special Fee: \$117.00).

GRA 2930. SELECTED TOPICS IN GRAPHIC ARTS. 1-3 variable

SELECTED TOPICS IN GRAPHIC ARTS Prerequisite: Department approval In-depth study of various advanced concepts, methods and techniques currently employed in graphic arts field. Explores state-of-the-art applications through research, experimentation, discussion and demonstration. Multiple credit course. May be repeated for credit but grade forgiveness cannot be applied.

GRA 2942. INTERNSHIP IN GRAPHICS. 1-4 variable

INTERNSHIP IN GRAPHICS Prerequisites: Satisfactory completion of all mandated courses in Reading, Mathematics, English, and English for Academic Purposes; a minimum 2.0 institutional or overall GPA; 12 credits, including a minimum grade of C in either GRA 2143C or GRA 2182C; and Program Director's approval. The Program Director/ Program Chair/Program Coordinator or Internship Placement Office has the discretion to provide override approval as it relates to the waiver of required program/discipline-related courses. This course is a planned work-based experience that provides students with supervised career exploration activities and/ or practical experiences. Each earned credit of internship requires a minimum of 80 clock hours of work. Multiple credit course. May be repeated for credit, but grade forgiveness cannot be applied. (Internship Fee: \$10.00).