

GRAPHIC DESIGN

<http://www.design.iastate.edu/graphicdesign/index.php> (<http://www.design.iastate.edu/graphicdesign/>)

Undergraduate Study

The department offers the degree Bachelor of Fine Arts (B.F.A.) in Graphic design.

B.F.A. Graphic Design. Emphasis is on creative problem solving, design process, visual organization and communication media, and interaction design. Graphic design graduates effectively integrate abstract thinking skills such as communication design theory, history, methodology; and technology. Components of visual communication including typography, symbology, time-based media, information design, branding, image creation, and other communication systems are integrated with an understanding of professional practice.

Curriculum in Graphic Design

The Curriculum in Graphic Design leads to a 123.5-credit undergraduate Bachelor of Fine Arts in Graphic Design including the 30-credit Core Design Program.

Admission into the professional program depends upon available resources and is subject to the approval of a faculty committee at the completion of the Core Design Program. Information on admission criteria is posted each year on the College of Design website.

Transfer students with studio credits from other programs, colleges, and universities must present for departmental review a portfolio of work done in those courses in order to have the credits apply toward studio requirements. Students are required to present this portfolio upon admission and prior to registration for classes. Arrangements for this process must be made with department advisers.

A 30-graduate-credit program is offered leading to the Master of Arts with a specialization in Graphic Design for students planning to undertake a professional degree. (NOTE: Applicants without a degree background in graphic design may be required to complete up to 18 additional credits of coursework).

A 64-graduate-credit post-professional graduate program is also offered leading to the degree Master of Fine Arts.

For more complete graduate program descriptions, see Graduate Study under Graphic Design in the Courses and Programs section.

Total Degree Requirement: 123.5 credits

Only 65 credits from a two-year institution may apply, which may include up to 16 technical credits; 9 P-NP credits of free electives; 2.00 minimum GPA.

International Perspective: 3 credits

U.S. Diversity: 3 credits

Communications: 10 credits

ENGL 150	Critical Thinking and Communication *	3
ENGL 250	Written, Oral, Visual, and Electronic Composition *	3
LIB 160	Information Literacy	1
One of the following:		3
COMST 101	Introduction to Communication Studies	
COMST 211	Interpersonal Communication	
CMDIS 286	Communicating with the Deaf	
SP CM 110	Listening	
SP CM 212	Fundamentals of Public Speaking	

Total Credits 10

* with a C or better

Humanities: 6 credits

6 credits from program curriculum sheet.

Social Sciences: 6 credits

6 credits from program curriculum sheet.

Math/Physics/Biol. Sciences: 6 credits

COM S 106	Introduction to Web Programming	3
3 credits from program curriculum sheet		3
Total Credits		6

General Education Courses: 12 credits

6 credits of course level 300-400 from program curriculum sheet; Complete 6 credits from department curriculum sheet.

College of Design Core: 11.5 credits

DSN S 102	Design Studio I	4
DSN S 115	Design Collaborative Seminar	0.5
or DSN S 110	Design Exchange Seminar I	
DSN S 131	Drawing I	4
DSN S 183	Design in Context	3
Total Credits		11.5

Art and Design History: 12 credits

ART H 280	History of Art I	3
ART H 281	History of Art II	3
Six credits from program curriculum sheet		6
Total Credits		12

Studio Options: 6 credits

6 credits from ARTIS, ARTID, LA, ARCH, or other approved studio course.

Graphic Design: 52 credits

ARTGR 270	Graphic Design Studio I	3
ARTGR 271	Graphic Design Studio II	3

ARTGR 272	Digital Photography for Graphic Design	3
ARTGR 273	Typography I	3
ARTGR 274	Typography II	3
ARTGR 377	Graphic Design Internship Seminar	1
ARTGR 370	Graphic Design Studio III	3
ARTGR 371	Graphic Design Studio IV	3
ARTGR 387	Graphic Design History/Theory/ Criticism I	3
ARTGR 372	Graphic Design Materials and Processes	3
ARTGR 470	Graphic Design Studio V	3
ARTGR 471	Graphic Design Capstone	3
ARTGR 480	Graphic Design Internship	3
ARTGR 481	Graphic Design Professional Practices	3
Twelve credit options from program curriculum sheet		12
Total Credits		52

Electives: 2 credits

Remaining electives sufficient to complete graduation requirements.

Graphic Design, B.F.A.

First Year

Fall	Credits	Spring	Credits
DSN S 102 or 131	4	DSN S 102 or 131	4
DSN S 183 (or General Education)	3	DSN S 183 (or General Education)	3
DSN S 110 or 115	0.5-1	ENGL 150 (or General Education)	3
ENGL 150 (or General Education)	3	General Education	3
General Education	3	General Education	3
General Education	3	LIB 160	1
16.5-17		17	

Second Year

Fall	Credits	Spring	Credits
ARTGR 270	3	ARTGR 271	3
ARTGR 273	3	ARTGR 274	3
ART H 280	3	ART H 281	3

ARTIS,	3	ARTIS,	3
ARTID, LA, or ARCH Studio or ART GR 272		ARTID, LA or ARCH studio or ART GR 272	
ENGL 250 (or Communication Study)	3	ENGL 250 (or Communication Study)	3
15		15	

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
ARTGR 370	3	ARTGR 371	3	ARTGR 480 (or)	
ARTGR 387	3	ART GR Option	3	ARTGR 495	3
ARTGR Option	3	ARTGR 372	3	Students who elect to participate in the Rome Program need to take additional 3 elective credits to reach the 123.5 needed to graduate.	

ARTIS, ARTID, LA, or ARCH Studio	3	ART or DSN History, General Education, or Rome Prep	3
General Education	3	ARTGR 377	1
		DSN S 301	1

	Elective: ROME, Italian	1	
		15	15
Fourth Year			
Fall	Credits	Spring	Credits
ARTGR 470		3 ARTGR 471	3
ARTGR Option		3 ARTGR 481	3
ART & DESIGN History or General Education		3 Elective	2-3
ARTIS, ARTID, LA or ARCH Studio or General Ed		3 General Education	3
General Education		3 ARTGR Option	3
		15	14-15

Admission into the BFA in Graphic Design Program is based on departmental resources and will be determined by overall cumulative grade point average following completion of 29.5 credits including DSN S 120, 131, ENGL 150 or 250, and other general education requirements. A portfolio review will also be significant factor.

Graduate Study

The department offers the degrees of Master of Fine Arts (M.F.A.) in Graphic Design and Master of Arts (M.A.) in Experiential Graphic Design.

M.F.A. in Graphic Design

The Master of Fine Arts in Graphic Design is recognized as the terminal degree in the field and requires a minimum of 64-credits. M.F.A. graduates in Graphic Design are skilled in communication design, problem solving, and are adept in the use of visual language, symbology, and interaction. Graduates are proficient in the design of communications and the use of technologies that incorporate human interaction with environments, objects, and electronic and traditional publications. Students and faculty work collaboratively on a required thesis; integrating theory, creation, research, and design problem solving.

The M.A. in Experiential Graphic Design

This 30-credit degree focuses on preparing students for visual communication. This degree provides a comprehensive exposure to all

aspects of user experience, including but not exclusive to wayfinding, exhibition design, interaction, information design, and placemaking.

The MAXGD is for those seeking a graphic design specialization with little to no previous experience in the area. Students may use the degree as a complement to a bachelor's degree in graphic design or another design field to enhance their skills and qualifications for employment. It can also be used to complement those students with an undergraduate degree in a graphic design area that would like to add an additional graduate level study to their coursework prior to enter the field.

Graphic Design Graduate Program

Credit earned at Iowa State University or other institution for the Master of Arts degree may be applied toward the Master of Fine Arts degree at the discretion of the program of study committee.

Applicants to the graduate program should have an undergraduate major in an art or design area and demonstrate the ability to do technically competent and original work through the presentation of a digital portfolio for faculty review. Past academic performance and the quality of studio work are critical in the admission process. A minimum 3.0 GPA in the student's undergraduate major is the standard for full admission to the graduate program. Admission is also determined by studio space available within the program area, which changes yearly due to graduate students' progress in their programs of study.

Graduate students who have not completed an undergraduate program of study substantially equivalent to that required of undergraduates in the department can expect that additional supporting coursework, determined by the graduate faculty, may be required.

Prospective students are advised to contact the graduate coordinator with specific questions about admission procedures and portfolio review. Application and additional program information may be obtained from the Department of Graphic Design, College of Design, Iowa State University, Ames, IA 50011-3092.

MFA in Graphic Design Degree Requirement

Graphic Design Requirements, 27 cr.

ARTGR 511	Graphic Design Graduate Studio I	3
ARTGR 512	Audience and Perception	3
ARTGR 521	Graphic Design Graduate Studio II	3
ARTGR 522	Critical Media	3
ARTGR 530	User Engagement	3
ARTGR 540	Design for Behavioral Change.	3
ARTGR 610	Thesis Preparation Studio	3
ARTGR 620	Graduate Thesis Studio I	3
ARTGR 630	Graduate Thesis Studio II	3

Total Credits 27

Graphic Design Seminar Requirements, 10 cr.

ARTGR 510	Graphic Design Theory	3
ARTGR 520	Design & Cultural Semiotics	3
ARTGR 531	Graphic Design Thesis Preparation	1
DSN S 501x	Introduction to Design Research	3
Total Credits		10

Elective Focus Area, 12 cr.

Outside of graphic design but supports area of research, may be studio (ex. DSN S 546) or other class outside the College of Design: See Graphic Design MFA Suggested Minor Course List

May also include ISU Preparing Future Faculty (PFF): 3-11 cr.

Art History, Theory, Criticism, 12 cr.

Seminar in College of Design	6
Grad-level Art History or other College of Design History Course	6
Total Credits	12

Thesis, 3-6 cr.

ARTGR 699	Research-Thesis	3-6
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Total 64-67 cr. (not including any potential prerequisites)

Courses primarily for undergraduates:

ARTGR 270: Graphic Design Studio I

(0-6) Cr. 3. F.

Prereq: DSN S 102, DSN S 131; admission to the graphic design program through department review

Introduction to the fundamental skills required in the graphic design profession.

ARTGR 271: Graphic Design Studio II

(0-6) Cr. 3. S.

Prereq: ARTGR 270

Reinforces and further explores the fundamental skills, principles, and tools required for effective visual communication.

ARTGR 272: Digital Photography for Graphic Design

(0-6) Cr. 3. F.S.

Prereq: Concurrent enrollment in ARTGR 270 OR ARTGR 271

This course will address the development of "seeing" as a medium design, expression, and visual communication including compositional dynamics, advanced digital image manipulation, software usage and support, digital camera operations along with scanning and other digital input devices, color management, digital format for presentation and printing with digital ready formats.

ARTGR 273: Typography I

(0-6) Cr. 3. F.

Prereq: Concurrent enrollment in ARTGR 270

Emphasizes foundational typographic principles from letterform construction to hierarchies of extended text, directed toward typographic vocabulary, and typographic organization. Students will also understand both classical and contemporary typographic forms, as well as having the ability to construct typographic compositions and systems.

ARTGR 274: Typography II

(0-6) Cr. 3. S.

Prereq: Concurrent enrollment in ARTGR 271

Advances the skills and principles learned in Graphic Design Typography I. Exploration of more complex problems that address typographic hierarchy, context, sequence and typography and image.

ARTGR 275: Graphic Technology I

(0-4) Cr. 2. F.

Prereq: concurrent enrollment in ARTGR 270

Basic 2-dimensional computer skills for graphic design.

ARTGR 276: Graphic Technology II

(0-4) Cr. 2. S.

Prereq: ARTGR 275 and concurrent enrollment in ARTGR 271

Basic 3-dimensional computer skills for graphic design.

ARTGR 281: Visual Communication and Branding

(3-0) Cr. 3. F.

Introduction to basic principles of visual communication that contribute to the successful comprehension of intended visual messages; these include promotional messages, such as corporate branding and marketing campaigns, as well as informational messages, such as those used in computer interface design or in the clear presentation of diagrammatic data. Emphasis is placed on sensitivity to the diversity of the intended American or global audience, and to the cross-cultural differences that may affect the ways that visual messages are interpreted. Methods for creating brand experiences are explored as they apply to both small and large enterprises, ranging from personal brand to corporate brand identities.

ARTGR 370: Graphic Design Studio III

(0-6) Cr. 3. F.

Prereq: ARTGR 271, ARTGR 276, and credit or concurrent enrollment in ARTGR 387

Creation and design of images and symbols for communication.

Application and integration of typography with images and symbols.

ARTGR 371: Graphic Design Studio IV

(0-6) Cr. 3. S.

Prereq: ARTGR 370 and ARTGR 387

Development and preparation of design concepts for application to the printing and electronic publishing process. Creative problem-solving skills, introduction to systems design.

ARTGR 372: Graphic Design Materials and Processes

(3-0) Cr. 3. S.

Prereq: Credit or concurrent enrollment in ARTGR 371

Lecture about the processes and materials involved in graphic design arts reproduction. Course covers pre-press, paper selection and specification, ink systems, type systems and fonts, output technology, printing presses and bindery operations.

ARTGR 377: Graphic Design Internship Seminar

(1-0) Cr. 1. S.

Prereq: Credit or concurrent enrollment in ARTGR 370 or ARTGR 371

Procedural and ethical concerns related to the graphic design internship. Personal goals, preparation of resume and plans for internship. Study and tours of areas of interest within the graphic design profession.

ARTGR 378: Critical Issues in Graphic Design

(2-0) Cr. 2.

Prereq: Credit or concurrent enrollment in ARTGR 370

Lecture, discussion and writing about the critical issues facing the communications field today and in the future.

ARTGR 387: Graphic Design History/Theory/ Criticism I

(Dual-listed with ARTGR 587). (3-0) Cr. 3. F.

Late nineteenth century to the 1990s. This course will explore the cultural, social, political, industrial, and technological forces that have influenced the practice of graphic design in Britain, Europe, and the United States. Students will study the historical issues and problems facing designers, their clients, and their publics.

Meets International Perspectives Requirement.

ARTGR 388: Graphic Design History/Theory/ Criticism II

(Dual-listed with ARTGR 588). (3-0) Cr. 3. S.

Critical issues that affect the contemporary practice of graphic design as it relates to the United States. Students will study a variety of issues that include, but are not exclusive to, new media, gender, class, design and the public sphere, design as social action, postmodern design theory, sustainability, and ethical practice.

Meets U.S. Diversity Requirement

ARTGR 391: Graphic Design Field Study

(0-1) Cr. 1. Repeatable, maximum of 2 credits.

Prereq: Concurrent enrollment in 300 or 400 level graphic design studio course

Travel, study, and tours of areas of interest within the graphic design profession such as print production companies, design studios, and museums. Offered on a satisfactory-fail basis only.

ARTGR 463: 3D Motion Graphics

(Dual-listed with ARTGR 563). (0-6) Cr. 3. S.

Prereq: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470

3D visualization in a Motion Graphics context. Emphasis on design in 3D computer animation as it relates to various electronic media.

ARTGR 464: Digital Imaging

(Dual-listed with ARTGR 564). (0-6) Cr. 3. F.

Prereq: Concurrent enrollment in ARTGR 370, ARTGR 371 or ARTGR 470.

Studio in experimental techniques using the digital drawing tablet combined with manual drawing mediums, exploring the digital tablet, scanner, and camera as ways to collect and make images, conceptual and compositional development of digital techniques and software, and connecting digital techniques to visual processes and ideation. Students will have a better understanding of different ways of working digitally while exploring image-making processes.

ARTGR 470: Graphic Design Studio V

(0-6) Cr. 3. F.

Prereq: ARTGR 371

Advanced design systems as applied to corporate identity and environmental graphic design. Symbology as an integrated component of communication systems.

ARTGR 471: Graphic Design Capstone

(0-6) Cr. 3. S.

Prereq: ARTGR 470 or permission of instructor

Experience design and innovation in a multi-disciplinary design studio. Class will use unique research, design, evaluation, creativity, and innovation methodologies to solve human problems on special topics. Designed solutions will be in the form of products, artifacts, interfaces, information, and human environments.

ARTGR 472: Photography and Narrative Message

(Dual-listed with ARTGR 572). (0-6) Cr. 3.

Prereq: Enrollment in ARTGR 370, ARTGR 371, ARTGR 470, or ARTGR 471

Photography as a tool for creating conceptually-driven images and metaphors. Emphasis is on photography as an evocative storytelling device for a range of audiences and design applications. Compositional and technical aspects are explored to ensure successful interpretation of the photograph's intended message.

ARTGR 473: Multimedia Design

(Dual-listed with ARTGR 573). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470 Graduate: graduate enrollment in College of Design

The design of visual, aural and textual communication for electronic media.

ARTGR 474: Exhibition Design

(Dual-listed with ARTGR 574). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470 Graduate: graduate enrollment in College of Design

Visual communication applied to exhibition design focusing on educational or interactive museum exhibitions, trade show booth design, and modular unit design for traveling exhibitions. Translation of graphic information to a three-dimensional space.

ARTGR 475: Advanced Typography

(Dual-listed with ARTGR 575). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470 Graduate: graduate classification in College of Design

Typographic theory exploring traditional and non-traditional forms, both historical and contemporary typographic achievements.

ARTGR 476: Graphic Design Methodology

(Dual-listed with ARTGR 576). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371 or ARTGR 470 Graduate: graduate enrollment in College of Design

Analysis and application of scientific, systematic, and non-traditional problem-solving and problem-seeking techniques.

ARTGR 477: Graphic Design Practicum

(0-6) Cr. 3.

Prereq: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470

Graphic design outreach and problem solving. Individual and group projects for non-profit clients selected by the instructor.

ARTGR 478: Design for E-Commerce/Graphic Applications

(Dual-listed with ARTGR 578). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470. Graduate: Graduate enrollment in College of Design

The development of advanced and experimental web design for the applications of e-commerce, education and the communication of visual information.

ARTGR 479: Wayfinding Design

(Dual-listed with ARTGR 579). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470. Graduate: Graduate enrollment in College of Design

Study of the navigational challenges of built environments and outdoor spaces, including site analysis, development of navigational plans, and design of wayfinding sign systems. Issues of function, accessibility, legibility, and fabrication are considered.

ARTGR 480: Graphic Design Internship

(3-0) Cr. 3. SS.

Prereq: ARTGR 377, 12 credits in graphic design; permission of instructor, registration in advance of enrollment

Graphic design experience in an off-campus professional environment.

ARTGR 481: Graphic Design Professional Practices

(3-0) Cr. 3. S.

Prereq: Credit or concurrent enrollment in ARTGR 470

Professional design management: ethics, setting up a new business, client/designer relationships, contractual options, billing practices, and effective operating procedures.

ARTGR 482: Professional Presentation

(0-6) Cr. 3. S.

Prereq: ARTGR 470 and concurrent enrollment in ARTGR 471

Exploration and development of job application materials and presentation skills.

ARTGR 484: Selected Studies in Graphic Design

(Dual-listed with ARTGR 584). Cr. 1-3. Repeatable, maximum of 9 credits. F.S.SS.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470. Graduate: graduate enrollment in College of Design.

Special issues related to graphic design. Topics vary each time offered.

ARTGR 490: Independent Study

Cr. 1-6. Repeatable.

Prereq: Written approval of instructor and department chair on required form in advance of semester of enrollment

Student must have completed related graphic design coursework appropriate to planned independent study. Offered on a graded basis or a satisfactory-fail basis.

ARTGR 490A: Independent Study: Theory, Criticism, and Methodology

Cr. 1-6. Repeatable.

Prereq: Written approval of instructor and department chair on required form in advance of semester of enrollment

Student must have completed related graphic design coursework appropriate to planned independent study. Offered on a graded basis or a satisfactory-fail basis.

ARTGR 490B: Independent Study: Two-Dimensional Design

Cr. 1-6. Repeatable.

Prereq: Written approval of instructor and department chair on required form in advance of semester of enrollment

Student must have completed related graphic design coursework appropriate to planned independent study. Offered on a graded basis or a satisfactory-fail basis.

ARTGR 490C: Independent Study: Three-Dimensional Design

Cr. 1-6. Repeatable.

Prereq: Written approval of instructor and department chair on required form in advance of semester of enrollment

Student must have completed related graphic design coursework appropriate to planned independent study. Offered on a graded basis or a satisfactory-fail basis.

ARTGR 490H: Independent Study: Honors

Cr. 1-6. Repeatable.

Prereq: Written approval of instructor and department chair on required form in advance of semester of enrollment

Student must have completed related graphic design coursework appropriate to planned independent study. Offered on a graded basis or a satisfactory-fail basis.

ARTGR 490I: Internship/Cooperative (in-depth experience other than ArtGr 480)

Cr. 1-6. Repeatable.

Prereq: Written approval of instructor and department chair on required form in advance of semester of enrollment

Student must have completed related graphic design coursework appropriate to planned independent study. Offered on a graded basis or a satisfactory-fail basis.

ARTGR 491: Publication Design

(Dual-listed with ARTGR 591). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470. Graduate: Graduate enrollment in College of Design.

The philosophy, concepts, and structures of publication design.

ARTGR 492: Graphic Design Systems Thinking

(Dual-listed with ARTGR 592). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470. Graduate: Graduate enrollment in College of Design.

The philosophy, concepts, and structures of systems thinking in graphic design.

ARTGR 493: Workshop

Cr. 1-3. Repeatable.

Prereq: Evidence of satisfactory experience in area of specialization

Intensive 2 to 4 week studio exploration. Topics vary each time offered.

ARTGR 495: Graphic Design Abroad

(Dual-listed with ARTGR 595). Cr. 3. SS.

Prereq: Permission of instructor

International study abroad program with visits to design studios, art museums, and educational facilities.

ARTGR 496: Graphic Design Semester Abroad

Cr. R. Repeatable.

Prereq: Concurrent enrollment in Iowa State University Graphic Design Study Abroad Rome Program or an equivalent approved program; DSN S 301 is a prerequisite for students going to Rome.

Study and tours of museums, galleries, artist and/or designer studios, and other areas of interest within art and design. Offered on a satisfactory-fail basis only.

ARTGR 497: Graphic Design Field Study

(0-1) Cr. 1. Repeatable. F.S.SS.

Prereq: Acceptance to the undergraduate or graduate programs in graphic design.

Introduction to places related to graphic design in urban environments such as museums and design studios. Culture and context of design in the urban environment. Offered on a satisfactory-fail basis only.

Courses primarily for graduate students, open to qualified undergraduates:**ARTGR 510: Graphic Design Theory**

(3-0) Cr. 3. F.

Prereq: Graduate classification in College of Design or permission of instructor.

This course will investigate graphic design as a tool to represent and create imageability in the mind of the audience, through relevant readings in graphic design theory and principles of visual organization in various media.

ARTGR 511: Graphic Design Graduate Studio I

(0-6) Cr. 3. F.

Prereq: Graduate classification in College of Design or permission of instructor.

Introduction to a range of research topics, methods, and ideas that are predicated on learning through the process of creation.

ARTGR 512: Audience and Perception

(0-6) Cr. 3. F.

Prereq: Graduate classification in College of Design or permission of instructor.

Theory and investigation of systems, structures, principles of visual organization for communication through the experimental application of traditional and non-traditional media. Studio problems will be influenced by social, cultural, environmental, or technological factors.

ARTGR 520: Design & Cultural Semiotics

(3-0) Cr. 3. S.

Prereq: Graduate classification in College of Design or permission of instructor.

Introduction to semiotics as it relates to art, design and culture. Historical and contemporary vantage points and the importance of designers as makers of meaning. Key concepts of semiotics and the interrelationship between message, meaning, design and culture.

ARTGR 521: Graphic Design Graduate Studio II

(0-6) Cr. 3. S.

Prereq: Enrollment in the Graphic Design Graduate Program.

In this advanced graduate graphic design studio led by a variety of faculty, students will be introduced to a range of research topics, methods and ideas that are predicated on learning through the process of creation.

ARTGR 522: Critical Media

(0-6) Cr. 3. S.

Prereq: Enrollment in the Graphic Design Graduate Program.

Advanced theory and investigation of critical media and application of principles of visual organization for communication. Through hypothetical design work with critical media tools, studio problems will examine and be informed by social, cultural, environmental, or technological factors.

ARTGR 530: User Engagement

(0-6) Cr. 3.

Prereq: Graduate enrollment in the Graphic Design Program or graduate enrollment in College of Design or permission of instructor

The exploration and design of interface/interaction with products, systems, and technologies.

ARTGR 531: Graphic Design Thesis Preparation

(0-1) Cr. 1. F.

Prereq: Acceptance to graphic design graduate program.

Exploration, formulation, and structuring of graduate thesis topic, investigation of design research and creative scholarship. Offered on a satisfactory-fail basis only.

ARTGR 540: Design for Behavioral Change.

(0-6) Cr. 3.

Prereq: Graduate enrollment in the Graphic Design Program or graduate enrollment in College of Design or permission of instructor

The exploration and design of educational experiences and artifacts as they relate to the social, emotional, and behavioral aspects of society.

ARTGR 563: 3D Motion Graphics

(Dual-listed with ARTGR 463). (0-6) Cr. 3. S.

Prereq: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470
3D visualization in a Motion Graphics context. Emphasis on design in 3D computer animation as it relates to various electronic media.

ARTGR 564: Digital Imaging

(Dual-listed with ARTGR 464). (0-6) Cr. 3. F.

Prereq: Concurrent enrollment in ARTGR 370, ARTGR 371 or ARTGR 470.

Studio in experimental techniques using the digital drawing tablet combined with manual drawing mediums, exploring the digital tablet, scanner, and camera as ways to collect and make images, conceptual and compositional development of digital techniques and software, and connecting digital techniques to visual processes and ideation. Students will have a better understanding of different ways of working digitally while exploring image-making processes.

ARTGR 572: Photography and Narrative Message

(Dual-listed with ARTGR 472). (0-6) Cr. 3.

Prereq: Enrollment in ARTGR 370, ARTGR 371, ARTGR 470, or ARTGR 471

Photography as a tool for creating conceptually-driven images and metaphors. Emphasis is on photography as an evocative storytelling device for a range of audiences and design applications. Compositional and technical aspects are explored to ensure successful interpretation of the photograph's intended message.

ARTGR 573: Multimedia Design

(Dual-listed with ARTGR 473). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470 Graduate: graduate enrollment in College of Design

The design of visual, aural and textual communication for electronic media.

ARTGR 574: Exhibition Design

(Dual-listed with ARTGR 474). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470 Graduate: graduate enrollment in College of Design

Visual communication applied to exhibition design focusing on educational or interactive museum exhibitions, trade show booth design, and modular unit design for traveling exhibitions. Translation of graphic information to a three-dimensional space.

ARTGR 575: Advanced Typography

(Dual-listed with ARTGR 475). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470 Graduate: graduate classification in College of Design

Typographic theory exploring traditional and non-traditional forms, both historical and contemporary typographic achievements.

ARTGR 576: Graphic Design Methodology

(Dual-listed with ARTGR 476). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371 or ARTGR 470 Graduate: graduate enrollment in College of Design

Analysis and application of scientific, systematic, and non-traditional problem-solving and problem-seeking techniques.

ARTGR 578: Design for E-Commerce/Graphic Applications

(Dual-listed with ARTGR 478). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470. Graduate: Graduate enrollment in College of Design

The development of advanced and experimental web design for the applications of e-commerce, education and the communication of visual information.

ARTGR 579: Wayfinding Design

(Dual-listed with ARTGR 479). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470. Graduate: Graduate enrollment in College of Design

Study of the navigational challenges of built environments and outdoor spaces, including site analysis, development of navigational plans, and design of wayfinding sign systems. Issues of function, accessibility, legibility, and fabrication are considered.

ARTGR 584: Selected Studies in Graphic Design

(Dual-listed with ARTGR 484). Cr. 1-3. Repeatable, maximum of 9 credits. F.S.SS.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470. Graduate: graduate enrollment in College of Design.

Special issues related to graphic design. Topics vary each time offered.

ARTGR 587: Graphic Design History/Theory/ Criticism I

(Dual-listed with ARTGR 387). (3-0) Cr. 3. F.

Late nineteenth century to the 1990s. This course will explore the cultural, social, political, industrial, and technological forces that have influenced the practice of graphic design in Britain, Europe, and the United States. Students will study the historical issues and problems facing designers, their clients, and their publics.

Meets International Perspectives Requirement.

ARTGR 588: Graphic Design History/Theory/ Criticism II

(Dual-listed with ARTGR 388). (3-0) Cr. 3. S.

Critical issues that affect the contemporary practice of graphic design as it relates to the United States. Students will study a variety of issues that include, but are not exclusive to, new media, gender, class, design and the public sphere, design as social action, postmodern design theory, sustainability, and ethical practice.

Meets U.S. Diversity Requirement

ARTGR 589: Design and Ethics

(Cross-listed with HCI). (3-0) Cr. 3. F.S.

Prereq: Graduate classification or permission of instructor.

Issues in ethics and decision-making as they relate to technology, design, design research, HCI, and the design industry.

ARTGR 590: Special Topics

Cr. arr.

Prereq: Bachelor's degree in graphic design, or evidence of satisfactory equivalency in specialized area

Written approval of instructor and department chair on required form in advance of semester of enrollment.

ARTGR 590A: Special Topics: Theory, Criticism, and Methodology

Cr. arr.

Prereq: Bachelor's degree in graphic design, or evidence of satisfactory equivalency in specialized area

Written approval of instructor and department chair on required form in advance of semester of enrollment.

ARTGR 590B: Special Topics: Two-Dimensional Design

Cr. arr.

Prereq: Bachelor's degree in graphic design, or evidence of satisfactory equivalency in specialized area

Written approval of instructor and department chair on required form in advance of semester of enrollment.

ARTGR 590C: Special Topics: Three-Dimensional Design

Cr. arr.

Prereq: Bachelor's degree in graphic design, or evidence of satisfactory equivalency in specialized area

Written approval of instructor and department chair on required form in advance of semester of enrollment.

ARTGR 591: Publication Design

(Dual-listed with ARTGR 491). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470. Graduate: Graduate enrollment in College of Design.

The philosophy, concepts, and structures of publication design.

ARTGR 592: Graphic Design Systems Thinking

(Dual-listed with ARTGR 492). (0-6) Cr. 3.

Prereq: Undergraduate: Concurrent enrollment in ARTGR 370, ARTGR 371, or ARTGR 470. Graduate: Graduate enrollment in College of Design.

The philosophy, concepts, and structures of systems thinking in graphic design.

ARTGR 593: Workshop

Cr. 1-3. Repeatable.

Prereq: Graduate classification; evidence of satisfactory experience in area of specialization

Intensive 2 to 4 week studio exploration. Topics vary each time offered.

ARTGR 595: Graphic Design Abroad

(Dual-listed with ARTGR 495). Cr. 3. SS.

Prereq: Permission of instructor

International study abroad program with visits to design studios, art museums, and educational facilities.

ARTGR 599: Creative Component

Cr. arr. Repeatable.

Courses for graduate students:

ARTGR 610: Thesis Preparation Studio

(0-6) Cr. 3. S.

Prereq: ARTGR 531, Graduate enrollment in the College of Design.

Initial development and exploration of graduate thesis topic, investigation of design research and creative scholarship. Determine Faculty Committee and Program of Study and file forms with Graduate College.

ARTGR 620: Graduate Thesis Studio I

(0-6) Cr. 3. F.

Prereq: ArtGr 610.

Advanced creative scholarship in specialized area of focus within graphic design. Culminates in a development plan, preliminary design work, and supporting documentation.

ARTGR 630: Graduate Thesis Studio II

(0-6) Cr. 3. S.

Prereq: ArtGr 620

Advanced research component in specialized area of focus within graphic design. Advances a development plan, preliminary design work, and supporting documentation.

ARTGR 690: Advanced Topics

Cr. arr. Repeatable.

ARTGR 699: Research-Thesis

Cr. arr. Repeatable.