GDES 202. Design Technology. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: successful completion of the Art Foundation Program. A design foundation workshop that emphasizes skills development and application of design technology: time and project management, visual thinking, image capturing and editing.

GDES 205. Design Methods and Processes. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. An in-depth investigation of the theoretical aspects of the design process within the context of designing effective visual communications.

GDES 211. Typography I. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisites: ARTF 131, ARTF 132, ARTF 133 and ARTF 134. An introduction to communication problem-solving through the visual medium of language. The fundamentals of typography and typographic design are explored in experimental and practical projects.

GDES 212. Design Form and Communication. 3,6 Hours.
Semester course; 2 lecture and 3 studio hours or 4 lecture and 6 studio hours. 3 credits for Richmond; 6 credits for VCUQ. Prerequisites: ARTF 131, ARTF 132, ARTF 133 and ARTF 134. The relationship of form and communication in graphic design is explored through theoretical and applied projects. The impact of typography and imagery and their syntactic relations upon audience and content is stressed.

GDES 213. Typography II. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: GDES 211. An intermediate exploration of typography as an expressive and functional communication vehicle. Emphasis is placed on defining effective design criteria to meet the reader’s needs, the communicator’s intent and the designer’s formal sensibilities.

GDES 214. Imaging I. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisites: ARTF 131, ARTF 132, ARTF 133 and ARTF 134. Enrollment requires successful completion of the Art Foundation Program. A studio course focusing on the use of digital imaging techniques for communication purposes. The processes and techniques for making and working with digital images are explored.

GDES 216. Imaging II. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: GDES 214. A studio course focusing on the creation of visual images for communication purposes. The processes and media for making visual images and the limits of visual literacy are explored.

GDES 252. History of Visual Communication. 3 Hours.
Semester course; 3 lecture hours. 3 credits. An investigation of contemporary visual communication concepts, media and images, and their role in contemporary society.

GDES 253. Theory and Philosophy of Visual Communication. 3 Hours.
Semester course; 3 lecture hours. 3 credits. An overview of theoretical and philosophical issues influencing the practice of visual communication design.

GDES 301. Beginning Letterpress. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. An introductory/intermediate printmaking studio course designed for students interested in developing their visual vocabulary in letterpress and relief printing. Students will undertake critical analysis of the letterpress medium and utilize techniques to develop and produce finished editions of each assigned task.

GDES 302. Book Arts. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. An introduction to the tools, materials and craft of contemporary bookmaking. Investigation of bookbinding, handcraft and related techniques.

GDES 308. Web Design. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: permission of instructor. A course developing the design of websites. Emphasis is placed on the visual design, navigation, development, communication and authoring of websites.

GDES 330. The Business of Design. 3 Hours.
Semester course; 3 lecture hours. 3 credits. This course introduces basic global economics and general design business concepts such as the free enterprise system, legal forms of business and financial considerations. It also surveys business and management practices such as planning, decision-making, communication, global ethics, marketing, human resources, finance and entrepreneurial skills needed to open a design business. Crosslisted as: GDES 330/FASH 330.

GDES 343. Systems in Design. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisites: GDES 205, GDES 213 and GDES 216. The study of systematic and methodological approaches to communication design through the solving of complex problems in visual communication. Emphasis is placed on objective process and research in approaches to various professional situations.

GDES 345. Print I. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisites: GDES 205, GDES 213 and GDES 216. An introduction to the design process and applied realizations of print-based materials and outcomes. Addresses the form and communication of the printed page from the tradition of print to the organizational principles outside that tradition. Objectives accomplished through lectures, demonstrations and problem-solving.

GDES 346. Visual Narrative I. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisites: GDES 205, GDES 213 and GDES 216. Studio course that introduces the conceptual and technical issues involved in the design and production of sequential documents and time-based compositions. Addresses the possibilities and limitations of the integration of word, image, video and sound as they relate to problem-solving in visual communication.

GDES 347. Interaction I. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisites: GDES 205, GDES 213 and GDES 216. An introduction to the conceptual and technical issues involved in the design and production of interactive documents and environments. Addresses the possibilities and limitations of computer-generated images, sound and digital video as they relate to problem-solving in visual communication.
GDES 356. Studio Management. 3 Hours.
Semester course; 3 lecture hours. 3 credits. A study of business and management factors that relate to creative design. Topics include marketing, structure and organization; financial factors; ethical and legal aspects; and management of design, illustration and photography studios.

GDES 365. Print II. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: GDES 345. An advanced studio course devoted to the study of systematic and methodological approaches to the design process and applied realization of print-based materials and outcomes. Emphasizes rigorous objective and experimental research methods in approaches to various professional situations. Objectives accomplished through lectures, demonstrations and team-based approaches to problem-solving.

GDES 367. Interaction II. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: GDES 347. A studio course devoted to the design and production of advanced projects in interaction design and experience design with focus on research, problem definition and team-based approaches to problem-solving.

GDES 370. Design History: 20th and 21st Centuries. 3 Hours.
Semester course; 3 lecture hours. 3 credits. Prerequisites: ARTF 105-106. Study of the major theories and styles on communication arts, fashion and interior environments of the 20th and 21st centuries. Contemporary analysis of cultural conditions and the manner in which designers respond to those conditions. Crosslisted as: FASH 370/IDES 370.

GDES 391. Lecture Topics in Design. 1-3 Hours.
Semester course; variable hours. 1-3 credits per semester. May be repeated for a maximum of 9 credits. Topical lectures in design issues and visual communications.

GDES 392. Research/Individual Study. 2-4 Hours.
Semester course; 1-2 lecture and 3-6 studio hours. 2-4 credits. May be repeated for a total of 6 credits. Enrollment requires permission of instructor, approval of faculty adviser and chair. The structuring, research, execution and presentation of an independent project in visual communications under the direction of a faculty adviser. The student will be encouraged to become a self-generating problem seeker and solver with the ability to carry out self-stated goals.

GDES 401. Advanced Letterpress. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. May be repeated for a maximum of 6 credits. Prerequisite: GDES 301. An advanced print studio course designed for students interested in exploring their visual vocabulary in digital and letterpress relief printing. Students will undertake critical analysis of the combined media of digital and letterpress and utilize techniques inherent within each technology to develop and produce finished editions.

GDES 403. Design Activism. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. An overview of the ethical issues faced by practitioners in the field of design and proactive roles available outside of the traditional client/designer relationship. The course presents critiques of the various roles that designers play in the areas of marketing, advertising, product development, and as entrepreneurs and content generators. The course includes a component in which problem identification, team work and real-world engagement are required.

GDES 404. Typeface Design. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Glyph construction is explored through historical and methodological analysis as well as the creation of typographic systems. Formal mechanics of typefaces are emphasized in discussion of their function as vehicles for communication. Both the functional and expressive nature of typefaces are examined through hands-on exercises.

GDES 408. Advanced Web Design. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: GDES 308. Investigation into the design and development of dynamic websites. Introduces database integration, webhost management and advanced coding techniques. Emphasis is placed on the semantic design and development of content-rich websites and blogs.

GDES 412. Typography III. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: GDES 212. Advanced problems in typographic design with emphasis on the development of a personal creative approach to form and communication.

GDES 413. Package Design. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisites: GDES 213 and 367. Theoretical and studio investigation of three-dimensional structural principals as they relate to the area of packaging, exhibition and environmental design.

GDES 414. Exhibition and Environmental Graphic Design. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisites: GDES 213 and 366. Study of the presentation of information in large-scale, three-dimensional formats. Exploration of exhibition and environmental design, including developing imagery and typography, understanding the use of "wayfinding" (identification, interpretation and orientation) and human factors, communicating of programmed content.

GDES 417. Interdisciplinary Team Design. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisites: GDES 213 and 367. Advanced projects in visual communication in which student design teams solve complex problems requiring collaboration.

GDES 418. Design Center. 3-9 Hours.
Semester course; 2-6 lecture and 3-9 studio hours. 3-9 credits. May be repeated for a total of 12 credits. Enrollment requires portfolio review by faculty. A professional studio to give students practicum experience working with faculty on self-initiated and client-initiated, real-world design projects.

GDES 445. Problem Seeking. 3 Hours.
Semester course; 3 lecture hours. 3 credits. A seminar exploring the nature, scope and limitations of design objectives in terms of limitations, requirements and potentials of a product's implementation, performance and life cycle.

GDES 470. Senior Seminar. 3 Hours.
Semester course; 3 lecture hours. 3 credits. An examination of selected theoretical, historical, aesthetic and social areas of concern to the graphic designer. Scholarly research, critical analysis and discussion are expected.

GDES 472. Senior Studio. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. A capstone course oriented toward the creation of a professional portfolio, self-promotional materials and business system. The course culminates in the annual Senior Show.
GDES 491. Studio Topics in Design. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. May be repeated for a total of 12 credits. Topical studio focusing on research and experimentation in specialized visual communication media.

GDES 492. Design Internship. 1-3 Hours.
Semester course; 1-3 credits. May be repeated for a maximum of 3 credits. Prerequisites: senior standing, 3.0 GPA or permission of the chair. Supervised pragmatic work experiences. Training is provided under the direction and supervision of qualified professional practitioners.

GDES 567. Visual Interface Design. 4 Hours.
Semester course; 3 lecture and 3 studio hours. 4 credits. Prerequisite: Permission of instructor. A course concentrating on the visual design and development of human-computer interface systems. Emphasis is placed on visual design processes and methods in the diverse arena of user interface design.

GDES 591. Advanced Studio Topics in Visual Communications. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: permission of instructor. May be repeated for a maximum of 6 credits. Topical studio focusing on research and experimentation in specialized visual communication media.

GDES 593. Visual Communications Internship. 3,6 Hours.
Semester course; 3 or 6 credits. May be repeated to a maximum of 6 credits. Prerequisite: Permission of chair required. Supervised study in cross-disciplinary visual communications research projects to integrate theory with practice. Training is provided under the direction and supervision of qualified professional practitioners and a faculty adviser.

GDES 610. Visual Communications Workshop. 4 Hours.
Semester course; 3 lecture and 3 studio hours. 4 credits. Prerequisite: permission of the graduate director. A studio course focusing on the philosophical, communicative and aesthetic relationships of visual communications problem-solving and the effective articulation of concepts.

GDES 611. Visual Communications Workshop. 4 Hours.
Semester course; 3 lecture and 3 studio hours. 4 credits. May be repeated for a maximum total of 16 credits. Prerequisite: permission of the graduate director. A studio course focusing on the philosophical, communicative and aesthetic relationships of visual communications problem solving and the effective articulation of concepts.

GDES 612. Research Methods in Visual Communications. 4 Hours.
Semester course; 3 lecture and 3 studio hours. 4 credits. Prerequisite: permission of program director. A studio-based examination of design research methods with emphasis place on linking knowledge, comprehension and application of historic and emerging methods of experimentation to generative and iterative studies. The course culminates in the writing and presentation of a research proposal for the second year of study.

GDES 621. Visual Communications Seminar. 4 Hours.
Semester course; 4 lecture hours. 4 credits. May be repeated. A detailed examination of selected theoretical, historical, aesthetic and social areas of concern to the designer. Scholarly research, critical analysis and discussion are expected.

GDES 631. Visual Communications Teaching Practicum. 3 Hours.
Semester course; 1 lecture and 6 practicum hours. 3 credits. Prerequisite: Permission of department chair. Observation, instruction, and practice to develop skills in the design, organization, and conduct of courses in visual communications. Explores multiple teaching strategies, student development, learning styles, and evaluation techniques.