KINETIC IMAGING (KINE)

KINE 208. Introduction to Media Arts Technologies. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Enrollment requires successful completion of Art Foundation Program and permission of department chair. Covers basic techniques and software necessary for contemporary video, animation and sound art practice.

KINE 233. Media Arts Survey. 3 Hours.
Semester course; 3 lecture hours. 3 credits. A historical overview of contemporary media art to include experimental animation, video art, sound art, the Internet and other technology-based art movements.

KINE 234. Animation I. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. An introduction to the techniques and principles of animation as frame-by-frame sequential media, covering preproduction methods particular to animation, and a survey of historical techniques with an emphasis in viewing and responding to animated work.

KINE 235. Animation II. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: KINE 234. Students will build on skills learned in prerequisite course. Topics covered include principles of animation and timing, intermediate digital skills, narrative and experimental structures in animation.

KINE 236. Video I. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. A survey of video as a creative medium, including but not limited to narrative, abstract and experimental approaches. This course will also cover basic video production and editing.

KINE 237. Sound Communication I. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. The basic theory and production of media-based sound.

KINE 291. Special Topics. 1-4 Hours.
Semester course; 1-4 variable hours. 1-4 credits. May be repeated for a maximum of eight credits. Various topics of special interest will be offered on a changing basis.

KINE 308. Web Technologies for Media Artists. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: KINE 208. This course investigates current and potential uses of online media. Students create content and/or disseminate their work using Internet technology; this includes inquiry into online media, social media tools and emerging web technologies.

KINE 335. Motion Graphics. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: KINE 235. Students will study the creation of moving graphic elements as an extension of animation and video art. The history and development of motion graphics in art, broadcast and effects studios will be examined. Students will engage in innovative development of motion graphics using current digital technology combined with experimental techniques.

KINE 336. Video II. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: KINE 236. Focuses on developing a unique artistic voice with an emphasis on video content and how various visual techniques can be used to express concept, mood, narrative and individual truth. This course will also cover advanced production and editing.

KINE 337. Sound Communication II. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. May be repeated for a maximum of 9 credits. Prerequisite: KINE 237. Continues the focus and specialization of sound design introduced in the prerequisite course, supporting video and animation production as well as developing an awareness of sound art. Conventional and experimental approaches to sound design are covered, along with the use of both standard audio equipment and more specialized technology. Varies in focus from semester to semester, covering such topics as performance and improvisation, field recording and sampling, sound installation, and soundtrack composition.

KINE 338. 3-D Computer Animation I. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. A comprehensive introduction to the use of the computer for modeling, rendering and animating three-dimensional objects and environments.

KINE 357. Critical Issues in the Media. 3 Hours.
Semester course; 3 lecture hours. 3 credits. Prerequisite: UNIV 200 or HONR 200. Topics, theory and genre affecting media and time-based mediums are explored through critical discourse, readings, screenings and lectures.

KINE 392. Research/Individual Study. 1-4 Hours.
Semester course; 1-2 lecture and 3-6 studio hours. 1-4 credits. May be repeated for a total of 8 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-seeking and -solving with the ability to carry out self-stated goals.

KINE 402. Senior Research. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Critical analysis and development of a culminating project with emphasis on research, experimentation and conceptual development. By using and expanding upon the technical skills learned in other classes, students will identify the conceptual, aesthetic and technical concerns that are critical to their individual art practice.

KINE 403. Senior Studio. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Prerequisite: KINE 402. Critical analysis and development of a culminating project with emphasis on implementation, execution and presentation.

KINE 434. Animation III. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. May be repeated for a maximum of 9 credits. Prerequisite: KINE 235. Students will work with advanced analogue and digital experimental animation techniques. Developing creative problem-solving strategies, students will be introduced to animation as a fine art practice, to animation on and off the screen, and in an installation and performance context.

KINE 436. Video III. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. May be repeated for a maximum of 9 credits. Prerequisite: KINE 336. An advanced course in video art that varies in topic and approach from semester to semester.

KINE 438. 3-D Computer Animation II. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. May be repeated for a maximum of 6 credits. Prerequisite: KINE 338. Advanced study of three-dimensional computer animation, exploring a variety of aesthetic and conceptual applications of the technology.
KINE 454. Live Coding. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. This course introduces live coding as a performance practice that involves real-time computer programming to create interdisciplinary work including visuals, sound, choreography and more. Students will explore a range of tools and environments for coding and examine other art forms that inform this methodology.

KINE 457. Socially Engaged Media. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. A studio multimedia course involving the creation of diverse artworks in a social, political and public context. Students engage in weekly projects, both independent and collaborative, along with presentations, discussions and ongoing blog entries.

KINE 458. Virtual Interactive Worlds. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. Maybe repeated for a maximum of 6 credits. Prerequisite: KINE 338 or permission of instructor. A transdisciplinary course exploring alternative game strategies, virtual environment aesthetics, interactivity and mixed-reality in a team project setting.

KINE 460. Wearable Technologies. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. An exploration of digital technologies on and interfacing with the body. Skills from physical computing and maker culture will be utilized to create innovative wearable designs. Topics include sensing, haptics, biofeedback and 3-D printing.

KINE 464. Animation IV. 3 Hours.
Semester course; 2 lecture and 3 studio hours. 3 credits. May be repeated for a maximum of 9 credits. Prerequisite: KINE 434. An advanced course in animation studies. Students will produce a self-directed project, with progress reviewed in class critiques through the semester, culminating in a final animation-based project.

KINE 491. Studio Topics. 1-4 Hours.
Semester course; variable credit (1 lecture and 2 studio hours per credit). 1-4 credits. May be repeated for a total of 12 credits. Topical studio focusing on research and experimentation in specialized visual communication media.

KINE 492. Internship. 1-3 Hours.
Semester course; variable hours. 1-3 credits. May be repeated for a maximum of 6 credits. Prerequisite: permission of the chair. Open to kinetic imaging majors only. Creative learning experiences in the professional realm under the direction and supervision of qualified practitioners.

KINE 500. Graduate Studio. 8 Hours.
Semester course; 16 lab/studio hours. 8 credits. May be repeated for a total of 16 credits. Prerequisite: admission to the kinetic imaging track of the MFA in Fine Arts program or permission of graduate adviser. Emphasis on individual creative production focusing on video, animation and sound, with periodic exposure of student's work and ideas to the critical attention of the teaching faculty of the Department of Kinetic Imaging. Degree requirement for first-year graduate students in department.

KINE 510. Foundations in Media. 3 Hours.
Semester course; 3 lecture hours. 3 credits. Prerequisite: admission to the kinetic imaging track of the MFA in Fine Arts program or permission of graduate adviser. A seminar focusing on a historical overview of media arts, including video art, experimental animation, sound art, performance, installation and critical theory. Designed to equalize the base of knowledge among graduate students from various backgrounds and levels of familiarity with issues in contemporary media.

KINE 591. Topics in Contemporary Media. 3 Hours.
Semester course; 3 lab/studio hours. 3 credits. May be repeated for a maximum of 12 credits. Prerequisite: admission to the kinetic imaging track of the MFA in Fine Arts program or permission of graduate adviser. Explores selected topics of current interests or needs relative to digital media. See the Schedule of Classes for specific topic to be offered each semester.

KINE 600. Graduate Studio. 8 Hours.
Semester course; 16 lab/studio hours. 8 credits. May be repeated for a total of 12 credits. Prerequisite: KINE 500. Emphasis on individual creative production focusing on video, animation and sound, with periodic exposure of student's work and ideas to the critical attention of the teaching faculty of the Department of Kinetic Imaging. Degree requirement for second-year graduate students in the department.

KINE 690. Graduate Seminar. 4 Hours.
Semester course; 4 lecture hours. 4 credits. May be repeated for a total of 12 credits. Prerequisite: admission to the kinetic imaging track of the MFA in Fine Arts program or permission of graduate adviser. Weekly seminar for the purpose of exploring recent developments in media and conducting critiques in which students can discuss the ideas and attitudes manifest in their work. Degree requirement for graduate students in the Department of Kinetic Imaging.

KINE 691. Independent Study. 1-4 Hours.
Semester course; variable hours. 1-4 credits. May be repeated for a maximum of 12 credits. Prerequisite: permission of instructor and kinetic imaging area head. Students will pursue advanced, individually directed study under the guidance of a faculty adviser. Includes project research, creative execution and presentation.

KINE 692. Graduate Seminar. 4 Hours.
Semester course; 4 lecture hours. 4 credits. May be repeated for a total of 12 credits. Prerequisite: admission to the kinetic imaging track of the M.F.A. in Fine Arts program or permission of a kinetic imaging graduate adviser. Weekly seminar for the purpose of exploring artistic developments and critical issues in media. Provides students with critical evaluation of their work in relation to contemporary practice while focusing on their final thesis exhibition. Degree requirement for graduate students in the Department of Kinetic Imaging.

KINE 695. Advanced Sound. 3 Hours.
Semester course; 3 lab/studio hours. 3 credits. May be repeated for a total of 12 credits. Prerequisite: experience with multichannel sound software such as Pro Tools. Focuses on sound as a medium and its connection to animation and video. Designed as an advanced studio course where students develop their own aesthetic in sound and explore creative possibilities. Expands on recording and mixing techniques with a particular focus on 5.1 surround sound mixing for video, animation and sound art.