



EMDA-prefix classes that meet University Studies requirements

<http://www.sou.edu/universitystudies>

EMDA 201 - Digital Image Foundations

Approved for University Studies Strand E – Humanities

Co-requisite: EMDA 201R

Lectures focus on the fundamentals of visual narrative, design, and critical thinking about the creation of visuals in a digital age. EMDA 201 serves as a prerequisite or recommended course for several upper division classes in art, applied multimedia, computer science, photojournalism, and video production.

EMDA 205 - Programming for Artists

Approved for University Studies Strand G – Physical, Biological, & Computer Science

Co-requisite: EMDA 205R

Cross-listed with ART 205

Students learn fundamental concepts of computer programming and electronics within the context of contemporary arts practice. Through lectures and hands-on projects, students learn to build algorithmic and interactive works utilizing images, video, sound, and robotics. Students develop projects using Max (a visual programming language for interactive art, music, and multimedia) and Arduino (a text-based programming language for robotics). No previous programming or electronics experience necessary.

EMDA 331 - The Art of Data: Visualizing Our World

Approved for University Studies Strand H – Science, Technology, and Society

Cross-listed with Art 331

Data is an ever present aspect of contemporary life. Students explore the uses of data in art as well as the application of artistic principles on data representing a range of local, social, political, scientific, environmental, and global issues. Through a series of hands-on computer programming based projects, students develop skills to represent and interpret complex datasets in a variety of ways including static and dynamic visualizations, sonification, and alternative modalities. Lecture topics include relevant visual theory, design theory, database aesthetics, and art and science collaboration.

an EMDA elective that meets University Studies requirements

ARTH 330 - Art, Culture, and Technology

Approved for University Studies Strand H – Science, Technology, & Society

Prerequisite: Completion of all lower division University Studies requirements

Examines the impact of twentieth-century technological, social, and historical change on our conceptions of art and culture. Using readings from cross-disciplinary sources, students explore the origins, evolution, and proliferation of new media and communications technologies, including photography, film, television, computers, and the Internet.

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To view a complete list of courses that meet University Studies requirements, please visit

<http://www.sou.edu/universitystudies/eligible.html>