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Interdisciplinary Minor in Multimedia Arts

CO-DIRECTORS

Karen Panetta, Electrical and Computer Engineering, Halligan Hall, x75976. karen@eecs.tufts.edu.
Howard Woolf, Experimental College, 95 Talbot Avenue, x 73384. howard.woolf@tufts.edu.

WEB SITE

<http://ase.tufts.edu/cms/mma.html>

THE PROGRAM

The Multimedia Arts program is a collaborative initiative designed to promote creativity in our digital age. We offer an interdisciplinary minor that provides frameworks within which motivated students combine study in the arts with critical training in the uses of cutting-edge creative technologies. To this end, we concentrate our efforts in such areas as filmmaking, electronic music composition and production, electronic instrument design, web site design and construction, animation, CD and DVD presentation authoring, digital still photography, and 3D imaging.

A student interested in the program should read through our website carefully and then contact one of the co-directors as early in his or her undergraduate career at Tufts as possible.

OUR MISSION

The Multimedia Arts program actively seeks to break down the old divide between the arts and technology. We believe that students in engineering who are exposed to the arts and humanities make better engineers and that students across the liberal arts deeply enrich their education by becoming technologically literate.

OUR PARTNERS

Linking the School of Engineering with the School of Arts and Sciences, the MMA program is supported by the Electrical and Computer Engineering Department and the Computer Science Department in concert with the Experimental College, Art and Art History Department, the Drama and Dance Department, and the Music Department.

THE INTERDISCIPLINARY MINOR

The Multimedia Arts minor is administered by the Communications and Media Studies program, in large part because MMA and CMS share many core values. The Multimedia Arts minor helps you develop skills relevant to many careers: project design and implementation, creativity and critical thinking, media and computer literacy, oral and written communication, as well as teamwork and leadership. Most importantly, these competencies are gained through an integrative approach wherein each student, working closely with an adviser, ***puts together his or her own plan for navigating the minor.***

As with all interdisciplinary minors, students pursuing the Multimedia Arts minor **must take a minimum of five courses. In addition, the MMA minor requires that you take a half-credit Colloquium during the fall of your senior year and complete a Senior Project.**

A project completed for your major may not be used as the MMA Senior Project. In addition, except for the Senior Colloquium, **all MMA classes must be taken for a letter grade.** Finally, you cannot "double count" a course for the minor and a foundation requirement.

REQUIREMENTS FOR THE MINOR

The specific requirements for the MMA minor incorporate four elements: work in multimedia practice, taking an appropriate set of electives, enrolling in the CMS Senior Colloquium, and completing a Senior Project

1/ Multimedia Practice. *Each student enrolled in the minor must take at least two full-credit, letter-graded courses* from an approved list of classes that introduce students to the tools, methods, and theories current in the field (*see section below*).

2/ Electives. In addition, *each student must take three full-credit, letter-graded courses* selected from classes offered by the supporting departments (Electrical Engineering, Computer Science, Art and Art History, Drama and Dance, and Music) or from appropriate classes across the curriculum.

3/ Senior Colloquium (half-credit, pass/fail). **This is a mandatory course** for students enrolled in any of the three CMS minors who are doing Senior Projects. It is to be taken in the fall of a student's senior year and is designed to aid in the planning and successful completion of your Senior Project.

4/ Senior Project (full-credit, letter-graded). The Senior Project is an original work which reflects an understanding of and facility with one or more of the expressive and/or conceptual disciplines associated with multimedia. **Collaborative projects are strongly encouraged.**

NOTES REGARDING THE MINOR

- Courses taken for MAJOR credit **cannot** be counted as MMA electives.
- **Only one course** in a field related to your major may count as an MMA elective. For example, if a Music major takes one course in Art and Art History, then all other electives must fall outside the arts. Conversely, if a Computer Science major takes one course in Electrical and Computer Engineering, then all other electives must fall outside engineering.
- **Where appropriate, a third multimedia practice course may count as an elective.**
- **All elective choices must be made in consultation with your MMA adviser.**

COURSES

You should check the program website (<http://ase.tufts.edu/cms/mma.html>) on a regular basis for changes in the course listings.

1/ Required Courses.

Experimental College 190BF/CF. *Senior Colloquium*

Experimental College 194CS. *Senior Project*

2/ Approved List of Multimedia Practice Courses.

Art and Art History (FAH) 188. *Multimedia and the Visual Arts I.* (fall)

Art and Art History (FAH) 189. *Multimedia and the Visual Arts II.* (spring)

Drama 21. *Computer-Assisted Design.* (fall)

Drama 22. *Introduction to the Art of Multimedia.* (spring)

Electrical and Computer Engineering 120. *Computer Animation for Technical Communications.* (tba)

Engineering Science 88. *CAD for Engineers.*

Experimental College 56. *Making Movies: The Study and Practice of Filmmaking.* (spring)

Experimental College 101. *Advanced Filmmaking.* (permission of instructor required)

Experimental College 102. *Advanced Electronic and Digital Media.* (permission of instructor required)

Music 51/151. *Music for Multimedia I.* (fall and spring)

Music 52/152. *Music for Multimedia II.* (fall)

Music 53/153. *Electronic Musical Instrument Design.* (spring) Cross-listed as Engineering Science 95ME.

Music 191. *Multimedia Projects for Music-Culture Research.*

Studio Art (FAM) 65A. *Photography and the Computer.*

*Courses offered by the Experimental College that are listed as counting for MMA multimedia practice.

*New courses in multimedia practice as they are developed and approved by the program.

3/ Elective Courses.

Within the guidelines listed above, the large majority of courses offered by the supporting departments may count as electives. **In all cases, it is essential to understand that selecting electives is a highly individual endeavor, one to be done in consultation with your MMA adviser.**

QUESTIONS/FURTHER INFORMATION

Contact Howard Woolf (howard.woolf@tufts.edu) or Karen Panetta (Karen@eecs.tufts.edu). And check our website, <http://ase.tufts.edu/cms/mma.html>.

CORE FACULTY

Karen Panetta

Electrical and Computer Engineering
Co-Chair, Multimedia Arts
Animation for Engineering
Computer Aided Simulation

Howard Woolf

Experimental College
Co-Chair, Multimedia Arts
Filmmaking
Digital Imaging
Advanced Digital Media

Neil Hirsig

Information Technology Services
Computer Generated Animation
Multimedia Design

Paul Lehrman

Music
Music for Multimedia
Electronic Musical Instrument Design

Christine Cavalier

Art and Art History
Multimedia and the Visual Arts
Interactive Research