

# CMSI 252

## MULTIMEDIA APPLICATIONS

<http://myweb.lmu.edu/dondi/spring2005/cmsi252>

**Spring 2005** — Doolan 222

Tuesdays and Thursdays, 9:25–10:40am, 3 semester hours

Office Hours: T 4–6pm, TR 11am–12pm

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### **Course Objectives**

To learn the structure and components of a modern multimedia application, independent of the application's implementation technology. The course emphasizes the model-view-controller (MVC) paradigm as the basis for applications that involve interactions with images, audio, video, and other content. Students will be exposed to several specific platforms for building multimedia applications, including but not limited to DVD authoring, Macromedia Flash, frameworks such as Java Swing or Cocoa, and browser-based multimedia applications.

### **Course Requirements**

General familiarity and operating knowledge of current computing platforms; prior experience with multimedia authoring is helpful but not required; ability to document, demonstrate, and explain one's own software; willingness to participate actively in class discussions.

### **Materials and Texts**

- Assorted handouts and sample files to be distributed throughout the semester.

Alternatively, much of the information (and software) for this course is available in various forms on the Worldwide Web; starter links are available on the class Web site. Do not hesitate to search for and find additional sources of information regarding the techniques, tools, and paradigms that we will discuss.

### **Course Work and Grading**

Your graded coursework will consist of accumulated homework (30%), 2 midterms (40% or 20% each midterm), and 1 final exam (30%). Ungraded coursework includes frequent discussion of current topics and your own work in front of the class.

Letter grades are determined as follows:  $\geq 90\%$  gets an A– or better;  $\geq 80\%$  gets a B– or better;  $\geq 70\%$  gets a C– or better. Fractions of a percent are handled with the usual rule:  $\geq 0.5$  rounds up to the next integral value. The instructor may curve your grade upward based on qualitative considerations such as degree of difficulty, effort, time constraints, and overall attitude throughout the course. Grades are never curved downward.

### **Homework**

Homework will consist of assorted questions, exercises, and technical assignments, to be given throughout the semester. Homework is where you can “learn from your mistakes” without grading penalty. If you submit your homework on time, you will get full credit for them, regardless of their correctness. What goes around comes around — the effort you put into your homework pays off in the exams.

Homework is due at the beginning of the next class. Late homework, whether 10 minutes late or 10 days late, will receive half credit. At the end of the semester, the proportion of homework that I have

from you relative to the total homework assigned will answer for 30% of your final numeric grade. For example, if homework is assigned 5 times throughout the semester, 5 out of 5 on-time submissions result in a full 30%; 3 on-time submissions and 2 late submissions add up to 24%; and 2 submissions result in 12% credited.

Occasionally, “extra credit” homework may be assigned. Fulfilling this extra credit work is counted *on top of* the 30% allocation of homework to your final grade.

## Exams

Midterm 1 is initially scheduled for February 15. Midterm 2 is scheduled for March 29. The final exam is scheduled for May 5. All tests are open-*paper*-everything; no sharing. Electronic lookups may also be allowed depending on the scope or subject matter. You may neither solicit nor give help while an exam is in progress. Late and/or missed tests will be handled on a case-to-case basis; in all instances, talk to me about them.

## Attendance

I am not a stickler for attendance, but I do like having a full class. Your submitted work will determine your final grade. Remember that the university add/drop deadline is March 18.

## University Policy on Academic Honesty

Loyola Marymount University expects high standards of honesty and integrity from all members of its community. Applied to the arena of academic performance, these standards preclude all acts of cheating on assignments or examinations, plagiarism, forgery of signatures or falsification of data, unauthorized access to University computer accounts or files, and removal, mutilation, or deliberate concealment of materials belonging to the University Library.

## Course Topics and Schedule

This schedule may change based on the actual ebb and flow of the class; deadlines, exams, and university dates (italicized) are less likely to change than lecture topics.

January	Introduction to multimedia applications; multimedia assets
February	DVD authoring; Macromedia Flash
<i>February 15</i>	<i>Midterm 1</i>
March	Web applications
<i>March 18</i>	<i>University add/drop deadline</i>
<i>March 22, 24</i>	<i>Easter break; no class</i>
<i>March 29</i>	<i>Midterm 2</i>
<i>March 31</i>	<i>Cesar Chavez Day; no class</i>
April	Other multimedia frameworks and technologies
<i>May 5</i>	<i>Final Exam (8:00 AM)</i>

You can view the class calendar on the Web at <http://ical.mac.com/dondi/LMU>. If you have an iCalendar-savvy client (i.e. Mozilla Calendar, Ximian Evolution, KOrganizer, Apple iCal, etc.), you can subscribe to the class calendar at <webcal://ical.mac.com/dondi/LMU.ics>. On-the-fly updates and adjustments to the class schedule will be reflected in this calendar.