Ph.D. Student Handbook
2016-2017

School of Literature, Media, and Communication
Ivan Allen College of Liberal Arts
Georgia Institute of Technology

Next Application Date:
December 12\textsuperscript{th}, 2016 for Admission Fall 2017

http://dm.gatech.edu
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**Digital Media Graduate Course Descriptions**

Examples of Minor / Elective Courses Outside of LMC

**Project Studio – Overall description**

DM Online Archiving and Conference/Journal submission

Event or Demo Day Presentations

**Faculty in Digital Media**

**Program Contact Information**

Administration

DM Email Lists

Faculty Contact Information

**Appendices**

DM Ph.D. Progress to Degree

PhD Thesis Defense Guidelines

PART I. THESIS TOPIC

PART II. COMPREHENSIVE EXAMINATION

PART III. ADMISSION TO CANDIDACY
Program Description

The School of Literature, Media, and Communication at Georgia Tech is unique in housing within a single academic unit a faculty of internationally known practitioner-theorists who combine scholarship in the arts and humanities with a depth of experience in computationally sophisticated environments. Faculty in the program hold degrees in English, Art, Law, Classics, Film, Performance Studies, Mathematics, Computer Science, and other fields. The research areas within the Digital Media (DM) program fall into three main categories: arts and entertainment, knowledge and creativity, and civic media. They include critical design, interaction design, augmented reality, educational computing, on-line communities, responsive environments, artificial intelligence, bio-informatics, interactive video, and game design.

The Georgia Tech Digital Media (DM) Ph.D. provides both the theoretical and the practical foundation for careers as digital media researchers in academia and industry. The advent of a new technology for communication and representation is a significant event in human social and cultural history and introduces the possibility of new genres of artistic expression as well as new forms of information and knowledge transmission. The study of these new forms – from the point of view of the creators and the analysts – suggests a convergence of the methodologies of several traditional disciplines, as well as the development of appropriate new approaches in research and practice.

The DM Ph.D. program usually enrolls 3-5 full-time students each Fall Semester. DM students come from a range of educational backgrounds and have diverse intellectual and creative objectives. Many have significant work experience in a professional field. Students come with academic backgrounds from such fields as acting, anthropology, architecture, communications, computer science, engineering, English studies, graphic design, history, journalism, law, library science, management, marketing, philosophy, social work, software development, technical writing, and television production. The program welcomes a socially diverse and international student body.

Among the corporate partners who have provided internships or participated as research partners are: Alcatel-Lucent, Cisco Systems, Direct TV, Microsoft, Amazon, Yahoo, Google, Turner Broadcasting, CNN, nurun | ant farm, Schematic, IBM, Childrens Television Workshop, ABC, Disney Imagineering, Electronic Arts, LucasArts, Disney Interactive, Kaneva, IQ TV, Alcatel Lucent, Cisco/Scientific Atlanta. Non-profit partners include GPTV, WABE, the High Museum, the Museum of Modern Art (NYC), National Academy of Television Arts and Sciences, Bremen Jewish Heritage Museum,

Other Sources of Information

Program website: [http://dm.gatech.edu](http://dm.gatech.edu)
For Prospective Applicants: [http://www.gradadmiss.gatech.edu/](http://www.gradadmiss.gatech.edu/)
Office of the Dean of Students: [http://www.deanofstudents.gatech.edu/](http://www.deanofstudents.gatech.edu/)
Office for Graduate Studies and Research: [http://www.gradadmiss.gatech.edu/](http://www.gradadmiss.gatech.edu/)
Calendar and Registration: [http://registrar.gatech.edu/](http://registrar.gatech.edu/)
Admission, Tuition and Financial Aid

Admission Schedule
The final deadline for completed applications is December 12th. Students are only admitted to begin courses for the Fall semester. Decisions are announced by April 1st. Applications are accepted online at: http://gradadmiss.gatech.edu/applicants.php and must include a work sample, which should be provided online. The sample must be consistently available from December 12th – May 31st of the year of application.

Application Components
Students must provide the following information for admission. Documents must be provided in English. Incomplete applications will not be considered.

- Graduate Record Exam (GRE) test scores
- TOEFL score for non-native English speakers
- Completed on-line Georgia Tech Graduate Application Form
- Georgia Tech Application Fee: $75.00
- Certified undergraduate transcript (also graduate transcripts, if applicable)
- Three letters of recommendation
- Statement of purpose explaining the role of the DM program in applicant’s creative, intellectual, and professional development
- Work Sample
- Statement of adequate funds (international students only)

Admission Process
After the DM office receives all application materials, a committee of DM faculty will assess each application package individually. There is no single template for admission. The committee looks for analytical ability, design ability, knowledge of media forms, technical skills, academic preparation, work experience, understanding of the scope of the DM program, and fit with the offerings and research agenda of the program. In some cases, students may be offered conditional acceptance based on the satisfaction of requirements, such as the receipt of delayed test scores, demonstration of satisfactory English language skills, or the maintenance of a satisfactory Grade Point Average (GPA) during the first semester of study. Occasionally the admissions committee will establish a waiting list for admission.

Prospective applicants may address questions before the application deadline to the Director of Graduate Studies or the Associate Director. Applicants are also encouraged to familiarize themselves with the program and the faculty and attend the Demo Days of the program, which usually include an informational meeting for applicants. In addition, the program usually offers online information sessions that the student can attend.

The Graduate Program does not provide feedback on unsuccessful applications.
Tuition and Fees

Annual tuition and fees are listed in the Georgia Tech catalog or the Office of the Bursar website at: http://www.bursar.gatech.edu/tuiandfee.php. Please note that though some students receive Assistantships that cover tuition costs, all students are responsible for the fees, which are substantial, and due each semester.

Graduate Assistantships and Other Funding

The DM program offers most Ph.D. students support on a year-to-year basis in the form of one half time (20 hours/week). Graduate Assistantships provide $1870 and are usually for one term but are often extended. There are two forms of assistantships: Graduate Teaching Assistants teach one undergraduate course per semester; Graduate Research Assistants work under the supervision of DM faculty on a variety of research projects. Support is sometimes available for the summer as well. Students are not expected to require support for more than 4 years. Assistantships include remission of all tuition, but students are required to pay student fees each semester.

For information on fellowships and loans, visit: http://www.finaid.gatech.edu/graduate/.

Special Instructions for International Students

Before international students may be granted an I-20 visa, they are required to provide evidence of independent financial support to cover the cost of attendance for the first year at Georgia Tech. Cost of attendance includes tuition, room/board, and books. The amount that must be verified is set by the Graduate College at Georgia Tech, and varies slightly on an annual basis to reflect changes in tuition, room/board, and fees found here: bursar.gatech.edu

More information can be found on the Office of International Education website: http://www.oie.gatech.edu/pre-arrival.
Facilities

**Digital Media Learning and Research Labs**

The DM Program has dedicated learning and research labs on the third floor of the Skiles Classroom Building. The Program also has offices, workspaces, and labs in the Technology Square Research Building (TSRB) on the 3rd floor. This is where the core DM faculty offices are located and the Ph.D. students have their desks. The DM computer labs offer an extensive range of equipment for digital media production in hardware and software as well as for analysis and evaluation. Different research groups work under DM faculty guidance and usually provide specialized approaches and equipment ranging from hardware prototyping equipment to interactive television technologies and a dedicated game lab. Although each DM student is allocated personal storage space on the common LMC server, DM students are encouraged to keep personal backups.

Georgia Tech requires all students to own a laptop computer. Information about the technical specs can be found here: [http://sco.gatech.edu/](http://sco.gatech.edu/)

**Digital Media Ph.D. Program Dedicated Space**

The Ph.D. program has carrels on the third floor of the TSRB for the Ph.D. candidate. This area includes access to project studio labs; both Mac and PC workstations with a complete suite of digital media software; a kitchen, and an adjacent seminar room, and other common meeting and lounge spaces.

**Digital Media Ph.D. Travel Grants**

The program actively encourages Ph.D. candidates to participate in national and international conferences and events. This is supported by in-house travel grants as well as travel support on the college and GVU level. DM Ph.D. candidates regularly present at and attend events such as SIGGRAPH, CHI, ISEA, DiGRA, TEI, Creativity and Cognition, and other international conferences. More information regarding the travel grants is located on the DM website.

**Digital Media as Part of the Interdisciplinary GVU Center**

The DM program participates in the GVU, an interdisciplinary research center that brings together people and expertise from all six Georgia Tech colleges in order to solve complex problems. The GVU offers DM students further access to high-end graphics and computational environments. GVU research interests include projects in three-dimensional computer graphics, data and program visualization, Human Computer Interaction, medical informatics, augmented reality, virtual reality, ubiquitous computing, digital video effects, and animation. DM faculty regularly collaborates with faculty from other Georgia Tech colleges within the GVU center, as well as beyond.

All DM students are invited to take part in GVU events and to attend the weekly “Brown Bag” Thursday lunches, in which GVU members report on their research. Brown Bag Lunch can be taken as a one-credit course. (Past GVU Brown Bag events and detailed
GVU information can be seen online at http://gvu.gatech.edu. The GVU also provides limited travel funds for graduate students, and DM PhD students are eligible to apply for such funds. As additional lab space, the GVU provides its own prototyping lab equipped with 3D printer, 3D scanner, laser cutter, and other tools and equipment available for research projects.

**The Georgia Tech Library**

The Georgia Tech Online Library (GTEL) provides access to the holdings in Georgia Tech’s library, other library catalogs, and selected commercial databases. Students can access GTEL from one of the dedicated terminals in the library or from a remote location. The library catalog can also be accessed through the library’s website at http://www.library.gatech.edu. The DM program has a library liaison that is available to assist students with program-related research.
Program Requirements for the Ph.D. in Digital Media

Curriculum and Course of Study

Students will take 60 graduate credits from the following categories:

Foundational and Required Courses (36 credits)
The core curriculum is designed to cover three fundamental areas:

1. critical history, theory, and practice of using of computing technologies for expressive purposes
2. advanced principles of interaction design
3. applied research methods in digital media

**Bolded courses** are not open to waiver or substitution. Other courses may be substituted with equivalent previous work or alternate courses. Students should consult their advisors and the Director of Graduate Studies to determine the appropriate individual course of study.

LMC 6310 The Computer as an Expressive Medium (3 credits)
LMC 6313 Principles of Interactive Design (3 credits)
LMC 6316 Historical Approaches to New Media (3 credits)
LMC 6399 Discovery & Invention (3 credits)
LMC 6650 Project Studio (3 credits) x2
LMC 6800 Master’s Project OR LMC 7000 Master’s Thesis (6 credits)
LMC 8000 Pro-Seminar I (3 credits)
LMC 8001 Pro-Seminar II (3 credits)
LMC 9000 Doctoral Dissertation (6 credits)

Required Minor Concentration (9 credits):
Three related courses outside of the School of Literature, Media, and Communication. These courses may be in any school within the Ivan Allen College, or in other colleges at Georgia Tech.

Examples of a minor concentration in Computer Science:

CS 6750 Introduction to Human Computer Interaction (3 credits)
CS 6460 Foundations of Educational Technology (3 credits)
CS 6470 Online Communities (3 credits)

This requirement must be certified by filing a form signed by the DGS with the Georgia Tech graduate office. The form is available online at http://www.gradadmiss.gatech.edu/thesis/forms/Minor_form.pdf

Elective Courses (15 hours)

Students can choose from a wide variety of course in LMC and other schools to fulfill their Electives. A sample of classes includes:
LMC 6311 Visual Culture and Design (3 credits)
LMC 6312 Design, Technology, and Representation (3 credits)
LMC 6314 Design of Networked Media (3 credits)
LMC 6315 Project Production (3 credits)
LMC 6317 Interactive Fiction (3 credits)
LMC 6318 Experimental Media (3 credits)
LMC 6319 Intellectual Property Policy and Law (3 credits)
LMC 6213 Educational Applications of New Media (3 credits)
LMC 6215 Issues in Media Studies (3 credits)
LMC 6320 Globalization and New Media (3 credits)
LMC 6321 Architecture of Responsive Spaces (3 credits)
LMC 6650 Project Studio (repeatable) (3 credits)
LMC 7999 Preparation for Qualifying Examination (variable credit)
LMC 8803 Special Topics (repeatable) (3 credits)
LMC 8813 Advanced Issues in Interactive Narrative (repeatable) (3 credits)
LMC 8823 Special Topics in Game Design (repeatable) (3 credits)
LMC 8930 Special Problems (repeatable) (3 credits)
LMC 8831 Special Topics in Technologies of Representation (repeatable) (3 credits)
LMC 8999 Preparation for Doctoral Dissertation

Elective courses from other academic units may be substituted with approval of the DGS.

**RCR Requirements:**

- **NEW Doctoral Students**

  As part of the ethics and Responsible Conduct of Research practices at Georgia Tech, each Ph.D. student has to:

  ___ Successfully complete an online CITI RCR course within 90 days of beginning your first full semester in your doctoral program (see [www.rcr.gatech.edu/online-training](http://www.rcr.gatech.edu/online-training))

  **AND**

  ___ Successfully complete PHIL 6000 (preferably during your first summer session if full time then)

For more information refer to: [http://www.rcr.gatech.edu/doctoral-policy/](http://www.rcr.gatech.edu/doctoral-policy/)

**Portfolio Review**

The Director of Graduate Studies will consult the Chair of the Individualized Comprehensive Exam (who is also the presumptive Dissertation Chair) at the end of the first year of graduate work to do the portfolio review. The review covers three areas:

- Students need to demonstrate programming competency through course work and/or research projects completed in the past year. Students who were not required to take 6310 can submit projects from previous advanced degree work.
• Students need to write a brief research statement that synthesizes the course work and project work they have undertaken in the past year and which plots a research trajectory as they begin to construct their reading list for the second-year exam. The research statement should include current research questions, a brief contextualization of those questions (why it is interesting to pursue it), and a description of the methods or approach under consideration (how students will pursue this projected research). The document aims to begin the process of articulating and refining a student’s research and scholarship trajectory.

• Students need to present their work in a well designed, professional manner to fulfill the DM design requirement. The faculty expects this to take the form of a professional website showcasing the candidate’s work and research statement. The portfolio site needs to reflect mastery of the principles of information and interaction design and it needs to clearly communicate how students identify as researchers.

Fulfilling the portfolio requirement is a pre-requisite for taking the Individualized Comprehensive Examination.

**Comprehensive Examinations**

**Written Examination Part I: Common Examination**
Students will take a common Comprehensive Examination after completing LMC 8000 and LMC 8001, usually in the Spring of their first year in the Ph.D. program.

The instructor of LMC 8001 is responsible for grading the Written Examination I but the students’ answers are made available to the whole DM faculty for additional feedback. The faculty is invited to comment on the answers. Any additional comments are sent to the instructor of LMC 8001 who synthesizes them into the final feedback to the student.

**Written Examination Part II: Individualized Examination**
Students will take an Individualized Examination, usually by the end of their 4th semester (Spring of their second year) in the Ph.D. program.

In consultation with the Director of Graduate Studies, students will identify a Comprehensive Committee Chair and two additional Comprehensive Committee members, usually by the end of their first year, and will prepare an Examination List by the first semester of their second year. This reading list has to cover three core areas that inform the student’s proposed research and omit works covered by the Common Examination. The student’s chair and committee have to review the reading list. All reading lists will be archived and made available to other Ph.D. students.

Sample examination lists are available online at

Exam questions for the Individualized Examination are prepared by the student's advisor and qualifying exam committee. The questions are sent to the student by email at 9am on the date of the exam by the Associate Director of the Digital Media program. The number of questions ranges from 3 to 6 and the student must choose 2 of the questions to answer. The student must return their answers by email to the Associate Director within 8 hours on the date of the exam.

The Comprehensive Committee will review the responses to the Written Individual Comprehensive Exam within one (1) week of the exam date. If the responses are satisfactory, the student passes and is eligible to move forward to the Oral Examination (see below). If the student fails the Individualized Examinations, the exam must be rescheduled at a date to be determined by the student and the committee, but not later than three (3) months after the previous exam was taken. If a student fails the Individualized Comprehensive Examinations twice, they will be subject to program dismissal at the discretion of the DGS.

**Oral Comprehensive Examination**

Once the student passes the Individualized Comprehensive Examinations, within two (2) weeks after their completion the student will take a two-hour Oral Comprehensive Examination administered by the Comprehensive Committee. The Oral Examination will cover the Comprehensive Examination essays (including any questions the student chose not to answer) as well as the common and specialized Reading List. Students should prepare a short (15-minute) preliminary statement on the Dissertation, which the Committee will help the student to refine during the Oral Examination.

The Comprehensive Committee will inform the student if the Oral Comprehensive Examination has been passed at the end of the two-hour examination. If the student fails the Oral Comprehensive, the exam must be rescheduled at a date to be determined by the student and the committee, but not later than three (3) months after the previous exam was taken. The committee may, at its discretion, issue new questions or topics for a repeated Oral Comprehensive Exam, although the student will not be required to prepare a written response in advance. If a student fails the Individualized Comprehensive Examinations twice, they will be subject to program dismissal at the discretion of the Director.
Ph.D. Dissertation

Proposing the Dissertation Topic
After passing the Comprehensive Exam, the student will identify a Dissertation Committee Chair from the Digital Media faculty and two Dissertation Committee members from the Digital Media faculty and/or other units in the School of LMC. The student will meet with the Dissertation Committee Chair regularly to prepare a Dissertation Prospectus. When the Dissertation Committee Chair deems the student is ready, usually within six months of the Oral Comprehensive Examination, a Dissertation Prospectus Defense will be scheduled.

Written Dissertation Prospectus
The written prospectus is a document intended to demonstrate that the student is poised to make a unique contribution to a research or scholarly field. There may be significant differences between a Dissertation prospectus making theoretical arguments and one that centers upon the design and implementation of a new digital media system. Additionally, a prospectus may contain a rationale for radical interdisciplinary methods, results, specification and/or implementation documentation, and evaluation sections.

The prospectus document will include:
1) A statement of the Dissertation claim(s), a significant part of the argument of the Dissertation in support of the claims making clear the theoretical and technical context of the work, the methods it will employ, and the original contribution to knowledge it offers,
2) A literature review (including non-print media) and a complete (i.e. updatable but not infinitely expandable) bibliography,
3) An appropriate representation of the structure, components, and scope of the document and associated artifacts that will constitute the Dissertation work as determined by the dissertation Chair(s) and Committee Members (e.g. a table of contents, chapter outlines, completed chapters, wire frames, a prototype, and/or detailed specifications).
4) A timeline for completion

Oral Defense of Dissertation Prospectus
The oral presentation should summarize the contents of the written Dissertation Prospectus and demonstrate evidence of significant completed work, including an implementation demonstration when appropriate.

The oral Dissertation proposal presentation will be performed before the student’s 3 member Digital Media dissertation committee and will be open to other DM faculty and to students in the DM Ph.D. program. As during the Comprehensive Examination, the student will have an opportunity to present ideas and engage in a constructive dialogue about the work. Unlike the Comprehensive Examination, this presentation is focused on depth rather than breadth, and the crux of the dialogue will be the student’s focused original and intended contributions to the field. The student and the student’s Dissertation
Chair and Dissertation Committee Members will decide upon the exact scheduling and time of the oral presentation. The non-Committee members will be present for the formal presentation and a brief public question period. They will then be asked to leave and the Committee will discuss the Prospectus with the student. If the Committee determines that the Prospectus is acceptable, then they will sign the Georgia Tech Dissertation Topic Approval Form, which the student will file with the Georgia Tech Graduate Office.

**Advancing to Candidacy**

Ph.D. students advance to candidacy when they have finished all required course work, excluding the minor, have passed the two written and one oral Comprehensive Examinations, and have successfully identified a Dissertation Committee and submitted and defended a Dissertation Prospectus. Advancement to candidacy requires filing the Request for Admission to Ph.D. Candidacy Form, included in the Appendix and also available online: [http://www.gradadmiss.gatech.edu/thesis/forms.php](http://www.gradadmiss.gatech.edu/thesis/forms.php)

Although it is not necessary for Candidacy, most students also file the Certification of Minor form at the same time.

**Time Limit for Completion: 7 Year Rule**

Students must complete all degree requirements within seven years from the end of the term in which they pass the comprehensive examinations.

**Preparation of the Dissertation**

Students will meet with their advisors regularly while working on the Dissertation and establish a timeline with deliverables at clear milestones. It is expected that students will complete the Dissertation within two years of advancing to candidacy. Usually this process takes place while in residence and registered full time in the Ph.D. program, with support from a research or teaching assistantship. Students who work on the Dissertation away from Georgia Tech are expected to enroll part-time in order to receive appropriate Dissertation supervision.

Once the topic has been approved, students should identify at least 1 external member for their Dissertation Committee, who must have an earned Ph.D. and may come from other units at Georgia Tech or from other institutions. It is advisable to show them the prospectus and ask them to serve on the committee. These external member/s will attend the Dissertation Defense along with the 3 internal committee members.

The student should submit the Dissertation drafts chapter-by-chapter to the Dissertation Chair, and should consult with the Chair on how best to employ the other members of the Dissertation Committee during the drafting period. The student should also take advantage of Demo Days, conference calls, and journal publication opportunities during this time to establish interim deadlines and receive wider visibility and feedback on the work in progress.
Defending and Submitting the Dissertation

When the Dissertation Chair and Committee members agree that the Dissertation is ready to proceed, the student should distribute a proposed final copy to all members of the Committee and arrange with the Digital Media Program office to schedule an Oral Defense. The final draft of the dissertation should be submitted at least 3 weeks before the scheduled Oral Defense. All members of the Dissertation Committee must be present at the Dissertation Defense, preferably in person, but audio or video link are permissible if necessary. Distant members must be able to see the same slides and demonstration as members who are physically present. The student makes a formal presentation of about 45 minutes, employing appropriate visuals. The presentation should present the main arguments of the Dissertation and demonstrate all interactive elements either live or (if the Chair approves) by video. The Oral Ph.D. Dissertation Defense includes a period of questions from a public audience and then a private session of questioning by the Committee. The Committee then consults briefly without the Candidate, and the Candidate is informed of approval/disapproval or requirements for changes.


The Candidate has to upload the dissertation and the presentation material used for the Oral Defense to the designated T-Square site for the DM program.

Graduation Procedures

During the semester preceding the semester of anticipated graduation, the student must submit petition online. Information is available [here](http://www.gradadmiss.gatech.edu/thesis.php).

In order to participate in commencement, the approved Dissertation and all associated forms must be submitted by the date and time specified by the Registrar: [http://www.gradadmiss.gatech.edu/thesis.php](http://www.gradadmiss.gatech.edu/thesis.php).

The Institute requires that students be enrolled during the term of graduation. Students can request a waiver of this requirement by completing an Enrollment Requirement Waiver Form. The form is available online at [http://www.gradadmiss.gatech.edu/thesis/forms/Enrollment_Waiver_form.pdf](http://www.gradadmiss.gatech.edu/thesis/forms/Enrollment_Waiver_form.pdf). Waiver will be granted only to students, who have completed all requirements for the degree.
Sample Program of Study

Year One – Fall
LMC 8000 Pro-Seminar I for Ph.D. Students 3
LMC 6310 Computer as an Expressive Medium 3
LMC 6313 Principles of Interaction Design 3
LMC 6650 Project Studio (with prospective Dissertation Director) 3
LMC 8997 Research Assistantship or 3*
LMC 8801 DM Talks 1
LMC 8998 Teaching Assistantship

Total Semester Hours 16 (13 to degree)

Year One – Spring
LMC 8001 Pro-Seminar II for Ph.D. Students 3
LMC 6399 Discovery and Invention 3
LMC 6650 Project Studio (with prospective Dissertation Director) 3
LMC 6316 Historical Approaches to Digital Media 3
LMC 8997 Research Assistantship or 3*
LMC 8998 Teaching Assistantship

Total Semester Hours 15 (12 to degree)

Comprehensive Examination Part I passed
Advisor Chosen

Year Two -- Fall
Elective (LMC 7999 Preparation for Qualifying Examination) 3
Minor (graduate class counting toward your minor) 3

LMC 6800 Master’s Project 6
OR LMC 6650 Project Studio (with prospective Dissertation Director) (3)
LMC 6650 Project Studio (with prospective Dissertation Director) (3)
LMC 8997 Research Assistantship or 3*
LMC 8998 Teaching Assistantship

Total Semester Hours 15 (12 to degree)

Quals/Thesis Committee Chosen; Specialty List Approved

Year Two -- Spring
Elective (e.g. LMC 6650 Project Studio (with Dissertation Director)) 3
Elective (LMC 6500 Project Studio (with prospective Dissertation Director) 3
LMC 6316 Historical Approaches to New Media 3
Minor (graduate class counting toward your minor) 3
LMC 8997 Research Assistantship or 3*
LMC 8998 Teaching Assistantship

Total Semester Hours 15 (12 to degree)

Comprehensive Examination Part II and Oral passed

Year Three -- Fall
Elective (LMC 8999 Preparation of PhD Dissertation) 6
Minor (graduate class counting toward your minor) 3
LMC 8997 Research Assistantship or 3*
LMC 8998 Teaching Assistantship
Total Semester Hours 12 (9 to degree)
Dissertation Prospectus Approved – Advance to Candidacy

Year Three -- Spring (and subsequent semesters if necessary)
LMC 9000 Doctoral Dissertation 6
Elective (e.g. LMC 6650 Project Studio (with Dissertation Director)) 3
LMC 8997 Research Assistantship or 3*
LMC 8999 Teaching Assistantship

Total Semester Hours 12 (9 to degree)
Dissertation completed and defended 1-2 years after Comprehensive Examination

Other Requirements of the Degree

Teaching Requirement
All Ph.D. students are encouraged to teach a minimum of two courses (one per semester) as part of their graduate preparation. Teaching may be in the form of assisting in a course primarily taught by a faculty member or it may involve taking sole responsibility for an undergraduate course offered by LMC. Students will be matched with courses in the area of their expertise and will be appropriately compensated with a Teaching Assistantship which also includes a tuition waiver.

Full-time Residency Requirement
The DM program requires a minimum of two semesters in residence with full-time study. Students are expected to remain in residency and enroll full-time at least until the point of Advancing to Candidacy.

Course Load Requirements
Although the Institute sets the minimum course load for part-time students at 3 hours per term, the DM program does not enroll part-time students. Students with GRAs, fellowships, tuition waivers, or student visas, and students assigned to the Institute by the armed forces for the purpose of pursuing a degree, are required to be enrolled for a minimum of 12 credit hours of letter grade or Pass/Fail credit per term. Graduate Research Assistants (GRAs) typically enroll in LMC 8998 for 3 hours of audit credit as a means to remain full-time. LMC 8998 does not count toward the 60 credits required for the degree.

Annual Review of Progress toward the Degree
Every Spring term, all Ph.D. students (excluding first year students) have to submit a report on the work they have undertaken in the past academic year. The report consists of a one-page narrative of the student’s overall work and an updated CV. Students also have to update their Progress to Degree form with the ADGS, who will attach the current Progress to Degree form to the report.

This report will be reviewed by the DM faculty and comments will be summarized by the student’s advisor and the DGS. The faculty will vote on the submitted reports along three categories: 1) pass (the work is sufficient; this does not preclude the faculty from
providing suggestions for improvement) 2) pass with warning (the work is overall sufficient but needs improvement in particular areas; these areas are identified and possible steps for improvement are provided in the feedback) 3) fail to pass (the work does not meet the standards of the program; the insufficiencies are identified and necessary steps for improvement are provided). The DGS, in collaboration with the student’s advisor, assembles the comments in a letter to the student.

Students who receive a “fail” have to submit a new report the following term. The new report has to show that the deficiencies have been addressed in an effective manner. Students receiving two “fails” in a row may lose eligibility for Assistantships and may be asked to withdraw from the program.

The reports will be archived by the ADGS.

**Academic Standing in the DM Program**

Note that the DM Program’s standards are in addition to the standards for Good Academic Standing at the Institute.

To be in Good Academic Standing within the Digital Media Ph.D. Program, students must:

- Take at least 3 academic (non-audit, graduate level, approved) courses per semester
- Complete the work of paid Research Assistantships to the satisfaction of the supervisor
- Complete all course work with a grade of B or higher and or receive a pass in pass/fail courses
- Complete all core courses by the end of the first year of study
- Not be in violation of the Honor Code or program standards of Professional Conduct
- Demonstrate acceptable written and oral skills in English
- Make clear and timely Progress to the Degree according to the guidelines on the Progress to the Degree Form (see appendix)

Students who are not in Good Academic Standing within the DM Program will not be eligible for Assistantships and may be put on probation or dismissed from the program, based on the decision of the DGS in consultation with the Graduate Faculty. Students placed on probation will be given one semester in which to remedy deficits in performance. Students may be dismissed without prior probation at the discretion of the DGS and faculty.

**Expectations of Paid Graduate Assistants**

Research and Teaching Assistantships are contracts for a specific numbers of hours of work under the supervision of a faculty member. Students are expected to meet weekly with the supervising faculty and to fulfill all assigned tasks in a timely manner. Most Ph.D. Assistantships are for 1/2 time, or 20 hours per week for the duration of the semester (including finals week). Students may be asked by supervising faculty to
account for the time with timesheets. It is acceptable to work extra hours one week and fewer hours the next, but the average should conform to 20 hours per week.

The scope of duties will be determined by the research supervisor or the DGS. Students should never be asked to perform personal services of any kind for a faculty member or to apply assistantship hours for any purpose other than their explicit research or teaching responsibilities, and any associated writing, technical support, or demonstration requirements.

Students who find they do not have the skills or are otherwise unable to perform their assigned tasks must make the situation known to their supervisor immediately. Students who receive Assistantships but do not perform assigned tasks in a conscientious and timely manner may be asked to repay the funds, and will not be eligible to receive further funding. Georgia Tech might require certain training e.g. for ethical conduct and for qualification for IRB work.

Students who have concerns regarding their Assistantship should feel free to talk to the DGS or LMC Chair if they are unable to reach an understanding with their supervisor.

**Honor Code and Professional Conduct**

The Honor Code at Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards and to uphold the Honor Code [http://www.catalog.gatech.edu/rules/18b.php](http://www.catalog.gatech.edu/rules/18b.php) as a condition of participation in the Georgia Tech DM Program. Students who are found to be in violation of the Honor Code may be placed on probation or dismissed from the program. Examples of violation of the Honor Code include (but are not limited to) violations of copyright using Institute machines (e.g. illegal downloads), presenting the work of others as one’s own, falsifying credits or recommendations, falsifying CV information or skill qualifications.

In addition, students who behave in ways that are inconsistent with professional responsibility or that impede the work of others will not be considered in good standing in the program and will be subject to probation or dismissal. Examples of unprofessional behavior include (but are not limited to) failure to perform assigned work for Assistantships, failure to keep research or advising appointments, carelessness or mishandling of program equipment, violation of security procedures that puts equipment or people at risk, disruptive behavior that impedes the work of others.

Students who witness violations of the Honor Code or Standards of Professional Conduct are asked to report them to the faculty and the Director of Graduate Studies.

**Optional Internships**

Ph.D. students who can choose to participate in the established internship program of the M.S. program, which customarily takes place during the summer months. The program has contacts in corporate and academic research labs, arts and cultural institutions, and across the several industries involved in creating Digital Media. Students are responsible
for identifying their own internships, but the DGS and other DM faculty can often be helpful in making suggestions. It is also useful to attend the M.S. students’ reports on their summer internships, which occur at a meeting usually held during the first few weeks of the Fall semester.

Co-Op Program
With the approval of the DGS and Committee Chair, Ph.D. students may also participate in the Georgia Tech Graduate Co-Op Program, which allows students to earn pay from a job in the commercial sector while enjoying partial credit toward full-time enrollment status. More information about the program can be found at http://www.gradcoop.gatech.edu/.

Policies and Procedures

Waivers of Core Courses
Students may have had courses they feel are quite similar to the core courses which are at the heart of the DM M.S. degree and required for the Ph.D. as well: LMC 6310, LMC 6313, LMC 6316, and LMC 6399. A waiver from one of these core course may be granted when the student can provide evidence of comparable course content (syllabi) and performance (transcripts) that satisfies the Director of Graduate Studies. Students may also request substitution of another Georgia Tech graduate course in the case of specialty interests, such as a 3D course in substitution for LMC 6311 or LMC 6312. The waiver of core courses does not change the requirement of 36 credits of DM graduate work. Credits taken elsewhere do not count toward the DM degree.

Policy on Transfer Credits
Work taken at other institutions is not accepted for transfer credit toward the DM Degree.

Course Grades and Repetition of Courses
The DM Ph.D. Program will not accept credit toward the degree for any course in which a student receives a grade less than a letter grade of “B.” Students receiving a “C” or below in an LMC required course must repeat the course or take an acceptable substitute with the guidance of their advisor and approval by the DGS. Students receiving more than one grade of C or below may be asked to withdraw from the program.

Credit for Georgia Tech Courses Outside the DM Program
The DM Ph.D. Program will not accept undergraduate courses or graduate courses outside of the DM program for credit toward the degree, unless they are taken at Georgia Tech and have been approved in advance in writing by a DM faculty advisor or the DGS.

Courses listed as suggestions in official program handouts or emails from the Director of Graduate Studies are assumed to be approved in advance for all students. In general, students are encouraged to take courses at the graduate level in closely related and overlapping subjects in the College of Computing, the Industrial Design Program and the School of Music in the College of Design.
For other courses, check with your advisor or the DGS. Taking courses without permission that are not considered by DM faculty to be directly related to progress toward the DM Ph.D. will have a negative impact on a student’s academic standing and may result in loss of eligibility for GRA support.

**Taking Upper Level Undergraduate Courses**

In general, students interested in taking upper-level undergraduate courses in highly relevant subjects not offered within the graduate curriculum should see the instructor and the DGS to arrange to take a concurrent (jointly meeting) graduate level version of the course with different assignments and a graduate course number. When enrolling for a jointly meeting course that is listed in the catalog under both UG and G numbers, be sure to sign up for the Graduate version. Graduate courses have numbers of 6000 or above.

Students who have taken jointly meeting graduate/undergraduate courses while undergraduates at Georgia Tech must get permission of the DGS before enrolling for the same course at the graduate level. In cases where the course varies widely in content from year to year or instructor to instructor (such as courses in Experimental Media and Digital Art), it may be appropriate to repeat it for credit. It is also appropriate to take LMC 6650 Project Studio for graduate credit even if the student has taken undergraduate research courses that meet concurrently with LMC 6650.

**Undergraduate and Other Courses Not Credited toward the Degree**

Students lacking in preparation may be required to take an undergraduate course for undergraduate credit, or a not-for-credit English as a Second Language course or other basic skills course in addition to their graduate course requirement. Such remedial courses will not count toward the degree.

**Policy on Academic Performance and Incompletes**

Students must maintain a minimum overall GPA of 3.0. Students who fall below that minimum GPA for two consecutive semesters are no longer in Good Standing and will be subject to dismissal from the program.

Under Georgia Tech rules, the faculty of the School of LMC may assign a grade of “Incomplete” (I) only when a student has been unable to complete the requirements of a course by reason of illness, extensive travel, commitments to employers, and other unexpected and unavoidable situations over which the student had no control. Grades of Incomplete can only be assigned to courses designated as letter grade. Pass/Fail courses must be completed by the end of the semester, or a failed grade will be issued. The student may work out an arrangement with the professor involved to complete the work in the following semester and have the grade changed. If the student has an Incomplete lasting more than one semester, the Registrar will automatically convert that Incomplete into a grade of “F” (without sending a warning). The student must successfully complete at least 75% of the credits the student registers for, or the Registrar will automatically place the student on academic probation, and the student will not be eligible for financial aid.
Students who do not complete Incompletes and receive a letter grade of “F” will have that grade counted toward their GPA, and will therefore be at risk for dismissal from the program.

**Readmission Policy**

Any student in *Good Standing* who is not enrolled for a single term will be allowed to re-enroll without applying for readmission to the Institute. There is no distinction between the terms of the regular academic year and the summer term.

Students who are not enrolled (and not on “coop at work” status) for TWO or more semesters, excluding the summer term, must apply for readmission.

A student who is on *Academic Warning* or *Probation* who is not enrolled for a single term will have an automatic hold placed on his/her registration which must be cleared by the student’s major school.

Any student, except a part-time graduate student, who withdraws and wishes to return the following term, must complete a readmission application and a Faculty Petition. Part-time graduate students are required to complete only a readmission application. The deadline for these documents is set by the Registrar’s Office.

The *Application for Readmission form* is available in the Registrar’s Office and must be submitted along with the required documentation by specific deadlines.

**Alumni Policies**

Alumni are always welcome guests of the program and are strongly encouraged to come back for visits and to keep us posted on their activities. Alumni resources are available on the intranet pages of the DM website: [http://lmc.gatech.edu/graduate/dmms/people/alumni.php](http://lmc.gatech.edu/graduate/dmms/people/alumni.php). Reunions of alumni are arranged from time to time by the DGS and alumni are encouraged to be seek help from and be helpful to fellow graduates and current students in the program.

Graduated or unenrolled students do not have access to program resources (such as computer facilities) by virtue of previous or anticipated student status. Students who are interrupting or terminating their enrollment at Georgia Tech are required to return all keys to the appropriate administrator, and should make their own copies of all server-based computer files, since their accounts may be deleted.
Digital Media Graduate Course Descriptions

**LMC 6310: The Computer as an Expressive Medium**
**Required course.** Explores the development of the representational power of the computer and the interplay between digital technology and culture. Topics include computer code, structured documents, databases, hypertext, graphical user interface, simulations, online communities, gaming, artificial life, artificial intelligence, and virtual reality.

**LMC 6311: Visual Culture and Design**
Explores visual media through a mutually instructive and integrated interplay between critical analyses and the creation of digital artifacts.

**LMC 6312: Design, Technology, and Representation**
Explores historical, cultural, and theoretical issues raised by technologies of representation through critical analyses and the creation of digital artifacts.

**LMC 6313: Principles of Interactive Design**
**Required course.** Design principles for exploiting the affordances of the digital medium, including large information spaces and procedural environments. Topics include: shaping participation, scripting behaviors, segmentation and navigation of encyclopedic environments, assessing legacy conventions, and defining new genres.

**LMC 6314: Design of Networked Media**
Issues in hypertextual and multimedia design in networked environments, including the World Wide Web, interactive television, and wireless applications.

**LMC 6315: Project Production**
Focuses on defining user and client needs, analysis of competing products, budgeting, scheduling and management of the production process, and the design of the testing process.

**LMC 6316: Historical Approaches to Digital Media**
**Required course.** Explores the place of digital media in the context of earlier media, including various forms of writing as well as the visual media.

**LMC 6317: Interactive Fiction**
Students create interactive fictions in a variety of formats, including intersecting story worlds, interactive characters, simulations, and replay worlds. Models include films, print stories, hypertexts, online virtual worlds, and electronic games.

**LMC 6318: Experimental Media**
Familiarizes students with several areas of emerging technologies by critically examining texts and artifacts within the context of their technical, historical, and cultural antecedents, with a focus on how technologies and culture mutually influence one
another. Our underlying mission is to question the assumptions under which one works when designing, and to understand how emerging technologies and critical practices may offer us a way to reshape and rethink the world.

**LMC 6319: Intellectual Property Policy and Law**
Students examine constitutionally informed policy and pragmatic legal issues in intellectual property law, focusing on the effects of power structures and information digitization.

**LMC 6213: Educational Applications of New Media**
Investigates the educational theory and pedagogical uses of new media applications.

**LMC 6215: Issues in Media Studies**
Seminar in mass media and formats of representation from multiple perspectives. Topics announced as offered. May be repeated.

**LMC 6320: Globalization and New Media**
Historical and theoretical overview of the connections between modes of global integration and modes of representing information, and the application of these insights to globally-conceived information design projects.

**LMC 6321 Architecture of Responsive Spaces**
Students explore the architecture of hybrid computational and physical spaces, how we can build habitation configured of physical matter and responsive computational media.

**LMC 6399: Discovery & Invention**
**Required course.** The purpose of this course is to give students a suite of methods they can use in professional settings to discover opportunities for inventive new computational products and services. It complements the design and production skills developed in 6310 and 6313 with applied research skills. For students in the MS DM and MS HCI programs it will also help them in the development of their MS proposals.

**LMC 6650: Project Studio (Multiple Sections)**
**Required courses.** At least two semesters required of all DM students. LMC 6650 Project Studio carries 3 credits and involves 9 hours of lab work per week and 1 hour of group seminar. Faculty members teach different formats of Project Studios, depending on their particular field. Project Studios can focus on an ongoing, long-term project, topic, or question, which students join at different stages of development or they might be more explorative. But classes include critical review sessions and regular presentations. Students can join a Project Studio group at varying levels of expertise. Individual learning goals are established to ensure that students extend their knowledge in the Project Studio, rather than merely working out of existing skills. Each student’s individual work should provide a substantial practicum in digital project development, and the work of the group as a whole is expected to result in regular presentations and prototypes delivered to other scholars, sponsors, end-users, or professional society.
Students can enroll in more than one Project Studio simultaneously. Project Studios are repeatable courses. May be repeated. Topics announced each year. Admission by permission of each section instructor.

**LMC 8801 Special Topics in Digital Media**
Topics vary by semester. May be repeated. May require permission of instructor.

**LMC 8803 Special Topics in Digital Media**
Topics vary by semester. May be repeated. May require permission of instructor.

**LMC 8813 Advanced Issues in Interactive Narrative**
Topics vary by semester. May be repeated. May require permission of instructor.

**LMC 8823 Special Topics in Game Design and Analysis**
Topics vary by semester. May be repeated. May require permission of instructor.

**LMC 8831 Special Topics in Technologies of Representation**
Topics vary by semester. May be repeated. May require permission of instructor.

**LMC 6800 Master’s Project: Digital Media OR**
**LMC 7000 Master’s Thesis**
*Required course.* Students enroll for 6 credits in their final M.S. semester (for those pursuing the M.S.)

**LMC 7999 Preparation for Qualifying Exam**
Credit hours to be arranged

**LMC 8000 Pro-Seminar in Media Theory**
*Required course.* Required for all Ph.D. students in Digital Media. Others admitted by permission of instructor. (Offered Fall only)

**LMC 8001 Pro-Seminar in Digital Media Studies**
*Required course.* Required for all Ph.D. students in Digital Media. Others admitted by permission of instructor. (Offered Spring only)

**LMC 8999 Preparation for Ph.D. Dissertation**
Credit flexible. Open to students who have qualified for candidacy.

**LMC 9000 Ph.D. Dissertation**
*Required of Ph.D. students. Taken in final semester of studies.*

*Administrative Credit Courses:*
LMC 8997: Graduate Teaching Assistantship (3 hours of audit credit: counts toward full-time semester enrollment but not toward the degree)
LMC 8998: Graduate Research Assistantship (3 hours of audit credit: counts toward full-time semester enrollment but not toward the degree).

**Examples of Minor / Elective Courses Outside of LMC**

CS 6750 Introduction to Human-Computer Interaction
CS 6460 Foundation of Educational Technologies
CS 6470 Online Communities
CS 7450 Information Visualization
CS 8803 Web Usability
ARCH 6426 3D Modeling
DM Online Archiving and Conference/Journal submission

- All Specialized Reading Lists need to be submitted and will be made available to the PhD student body.

- All Projects and Theses should include a screen shots, brief summary, thumbnail image, and pdf copy of the project proposal and the final thesis or design document. Where feasible and appropriate the code or a video of the running application should also be included. Slides from the Defense are also archived here. The program uses these materials for archival and publicity and hopes students will allow us to advertise their work accordingly. However, such participation is not required.

- Students are strongly encouraged (and may be required by individual advisors) to submit their Project/Thesis work to appropriate conferences and journals.

Event or Demo Day Presentations

Ph.D. students are expected to present their theses and projects at official program events or Demo Days during the year, but particularly during the year they receive their degree.
Faculty in Digital Media

Ian Bogost
Professor/ co-appointed with CS
Ph.D., UCLA, 2004

Primary Interests include videogame design and criticism, historical and material approaches to computer platforms, and the metaphysics of objects. Co-editor of the Platform Studies series (MIT) and Object Lessons (The Atlantic/Bloomsbury).

Jay D. Bolter
Professor
Ph.D., University of North Carolina, 1977

Jay David Bolter is the Wesley Chair of New Media at the Georgia Institute of Technology. He is the author of Turing's Man: Western Culture in the Computer Age (1984); Writing Space: The Computer, Hypertext, and the History of Writing (1991; second edition 2001); Remediation (1999), with Richard Grusin; and Windows and Mirrors (2003), with Diane Gromala. In addition to writing about new media, Bolter collaborates in the construction of new digital media forms. With Michael Joyce, he created Storyspace, a hypertext authoring system. Bolter is now a member of the Augmented Environments Lab and works closely with Prof. Blair MacIntyre, Prof. Maria Engberg, and others on the use of augmented reality to create new media experiences for informal education and entertainment.

Carl DiSalvo
Associate Professor
Ph.D., Carnegie Mellon University, 2006

Carl DiSalvo is an Associate Professor in the School of Literature, Media, and Communication at the Georgia Institute of Technology. At Georgia Tech he directs the Public Design Workshop: a design research studio exploring socially-engaged design practices and civic media. His current research is broadly concerned with forms of collectivity and the role of design in shaping and enabling collectivity. He publishes regularly in design, science and technology studies, and human-computer interaction journals and conference proceedings. His first book, Adversarial Design, was published MIT Press in 2012. DiSalvo’s experimental design work has been exhibited and supported by the ZKM, Grey Area Foundation for the Arts, Times Square Arts Alliance, Science Gallery Dublin, and the Walker Arts Center. DiSalvo holds a Ph.D. in Design from Carnegie Mellon University (2006).
Nassim Jafari Naimi  
Assistant Professor  
Ph.D. Carnegie Mellon University, 2011

Nassim Jafari Naimi’s research interest is in the ethical and political implications of design and its capacity to mediate social and collective interactions. More specifically, she examines the experiential and participatory dimensions of products and their relationship to establishing and supporting democratic forms of social interaction. Her research spans both theoretical inquiry and experimental design, situated at the intersection of Design, the Humanities, and Human Computer Interaction. She directs the Design and Social Interaction Studio, engaging research projects that span the areas of civic and participatory media; locative media; information design and visualization; and interaction design.

Christopher Le Dantec  
Assistant Professor.  
Ph.D., Georgia Institute of Technology, 2011

My research in Human-Computer Interaction (HCI) and Computer-Supported Cooperative Work (CSCW) is focused on integrating theoretical, empirical, and design-based investigations of community technologies. I have a particular interest in digital disparities, examining alternate constraints on mobile computing in urban life, information technology and social institutions, and the use of participatory design for articulating social issues and constructing publics. My research touches a number of different domains, including: interaction and information design, computer-supported cooperative work, social computing, urban computing, human-computer interaction, and values in design.

Yanni Loukissas  
Assistant Professor.  
Ph.D., MIT, 2008

Yanni Alexander Loukissas is an Assistant Professor of Digital Media in Georgia Tech's School of Literature, Media, and Communication. As both a designer and an ethnographer, he explores the cultural dimensions of data, visualization, simulation and mapping. Recent projects include: an institutional portrait of the Arnold Arboretum using metadata on 70,000 trees, vines and shrubs; a map of collections in the Digital Public Library of America; and a visualization of human-machine interactions during the first lunar landing. He is a contributor to Simulation and its Discontents (MIT Press, 2009) and the author of Co-Designers: Cultures of Computer Simulation in Architecture (Routledge, 2012).
**Brian Magerko**  
Associate Professor  
*Ph.D., University of Michigan, 2006*

My research explores the intersection of technology with a cognitive understanding of human creativity, particularly within the arts. This elicits projects that study human creativity (e.g. improvisation, playing pretend, creating stories) as a means of informing artificial intelligence-based projects, creating learning environments that use creativity as a main drive in the learning of STEM topics, and creating new expressive digital media experiences that expand on how we express ourselves and play in digital space. My lab's website is at [http://adam.cc.gatech.edu](http://adam.cc.gatech.edu).

**Janet H. Murray**  
Professor, LMC  
Ph.D., Harvard University, 1974

My primary research interests are interactive design, interactive narrative, and game design. My latest book, *Inventing the Medium*, attempts to unite the myriad traditional disciplines in which interactive designers are now trained into a single, coherent, digitally focused design vocabulary. My earlier book, *Hamlet on the Holodeck: The Future of Narrative in Cyberspace*, asks whether we can expect this new medium to support a new expressive art form, comparable to the Shakespearean theater or the Victorian novel in its ability to move and enlighten us. I am mostly optimistic about this possibility. I am working on several projects that prototype broadband entertainment and information applications, including work with interactive television, story-games, and educational computing.

**Michael Nitsche**  
Associate Professor, Director of Graduate Studies  
*Ph.D., University of Cambridge, UK, 2004*

My research (and a lot of my teaching) deals with interaction as performance and digital materiality. My research origins are in challenges posed by 3D virtual spaces, issues of games and film, and evolved into more work on interaction as expression. I explore this form of expression as practices of performance and crafting. This work is often conducted in practical experiments, which are carried out in the Digital World and Image Group (DWIG) [http://dwig.lmc.gatech.edu](http://dwig.lmc.gatech.edu/) The group’s design approach is heavily user-centered and the main question is how to widen the expressive range available to a player/user of digital media. Relevant publications include a book on Video Game Spaces the first academic Reader on Machinima, and a special edition of Digital Media and Performance Art.

**Laine Nooney**  
Assistant Professor, LMC  
*Ph.D., Stoney Bock University, 2014*
Laine Nooney is a cultural historian of video games and computing whose research interests include media archaeology, critical/feminist materialism, and technology and inclusivity. Her most recent work, on Roberta Williams and the problem of gender in video game history, appears in Game Studies. She is presently preparing a book manuscript on the corporate and cultural history of the home-entertainment software company Sierra On-Line, titled “Before We Were Gamers: Sierra On-Line and the Archaeology of Video Game History.” Nooney tweets as @Sierra_Offline, and more information can be found at www.lainenooney.com.
Program Contact Information

**Administration**

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**DM Email Lists**

(these lists are mostly for internal use)  
- dm@lists.gatech.edu  
  faculty and students  
- dm-ms@lists.gatech.edu  
  DM Masters students  
- dm-phd@lists.gatech.edu  
  DM PhD students  
- dm-alumni@lists.gatech.edu  
  DM alumni  
- dm-fac@lists.gatech.edu  
  DM faculty  
- dm-students@lists.gatech.edu  
  DM student only list
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Progress to Degree Form
Appendices

Progress to Degree

Digital Media Ph.D. Thesis Defense Guidelines

Graduate Office Official Request for Admission to Ph.D. Candidacy Form

Graduate Office Official Certificate of Thesis Approval for Doctoral Students Form

Graduate Office Official Request for Approval of Doctoral Minor Form

The Official Graduate Office Forms and other forms and information necessary for graduation are available online at http://gradadmiss.gatech.edu/thesis/forms.php
DM Ph.D. Progress to Degree

Name: __________________________________________________

Semester Entered: __________

Preliminary Advisor: ______________________________________

Requirements (certify by entering date and initials of advisor)

<table>
<thead>
<tr>
<th>Required Milestones</th>
<th>expected Date certified</th>
<th>Certified by</th>
</tr>
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<tbody>
<tr>
<td>Proficiency Requirement</td>
<td>LMC 6310 The Computer as an Expressive Medium</td>
<td>Year 1</td>
</tr>
<tr>
<td>Proficiency Requirement</td>
<td>Portfolio Review Passed</td>
<td>Year 1</td>
</tr>
<tr>
<td>Course Requirement</td>
<td>Project Studio (repeatable)</td>
<td>Year 1</td>
</tr>
<tr>
<td>Course Requirement</td>
<td>LMC 8000 Pro-Seminar in Media Theory</td>
<td>Year 1</td>
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<tr>
<td>Course Requirement</td>
<td>LMC 8001 Pro-Seminar in Digital Media Studies</td>
<td>Year 1</td>
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<tr>
<td>Exam Requirement</td>
<td>Pass 1st Year Comprehensive Exam</td>
<td>Year 1</td>
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<tr>
<td>RCR Requirement</td>
<td>Must take Phil 6000 and online citi training</td>
<td>Year 1</td>
</tr>
</tbody>
</table>

Name of Project Studio and Instructor: ________________________________

Grade on 1st Year Exam: __________ Date of 1st Year Exam __________

Flexible Course Requirements:
Advisor may accept alternatives, waive for cause, and/or assign additional requirements

<table>
<thead>
<tr>
<th>Flexible Core Courses</th>
<th>Alternative or Reason for Waiver</th>
<th>Semester</th>
<th>Date Certified</th>
<th>Certified by</th>
</tr>
</thead>
<tbody>
<tr>
<td>LMC 6399 Discovery &amp; Invention</td>
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<tr>
<td>LMC 6313 Principles of Interactive Design</td>
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<tr>
<td>LMC 6316 Historical Approaches to New Media</td>
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<tr>
<td>LMC 6650 Project Studio</td>
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<tr>
<td>LMC 6650 Project Studio</td>
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</tbody>
</table>
Flexible Electives

Students and advisor should decide on at least 5 electives. Can include independent studies, special topics

<table>
<thead>
<tr>
<th>5 Flexible Electives</th>
<th>Semester</th>
<th>Date certified</th>
<th>Certified by</th>
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Required Minor Concentration

Students should also file the Minor Requirements form with the Graduate Office. Requirement is 3 courses outside of LMC. These may be completed before or after the completion of the Comprehensive Examination.

<table>
<thead>
<tr>
<th>Required Minor Graduate Courses</th>
<th>University</th>
<th>Semester Taken</th>
<th>Date Certified</th>
<th>Certified by</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>2.</td>
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<td>3.</td>
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</tbody>
</table>

Chair, Specialist Quals:
__________________________________________________________

Specialist Committee Members (at least 2 in addition to Chair):
__________________________________________________________
__________________________________________________________
__________________________________________________________

Members of Thesis Committee
3 Internal (LMC):
__________________________________________________________ (CHAIR)
__________________________________________________________
__________________________________________________________

2 External to LMC
__________________________________________________________
__________________________________________________________
## Milestones Years 2-4

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Expected Dates</th>
<th>Certified By</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pass General Qual</td>
<td>Spr year 1</td>
<td></td>
</tr>
<tr>
<td>Choose Chair of Specialist Quals</td>
<td>By Fall Year 2</td>
<td></td>
</tr>
<tr>
<td>Chose Quals Committee</td>
<td>By Fall Year 2</td>
<td></td>
</tr>
<tr>
<td>Submit Specialist Reading List</td>
<td>Fall Year 2</td>
<td></td>
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<tr>
<td>Reading List Approved</td>
<td>Fall Year 2</td>
<td></td>
</tr>
<tr>
<td>Pass Written Specialist Exam</td>
<td>Spring Year 2</td>
<td></td>
</tr>
<tr>
<td>Pass Oral Quals</td>
<td>Spring Year 2</td>
<td></td>
</tr>
<tr>
<td>Choose Thesis Chair and Committee (3 LMC + 2 outside)</td>
<td>By Fall year 3</td>
<td></td>
</tr>
<tr>
<td>Submit Thesis Proposal</td>
<td>Fall Year 3</td>
<td></td>
</tr>
<tr>
<td>Thesis Proposal Defended and Approved</td>
<td>Fall Year 3</td>
<td></td>
</tr>
<tr>
<td>Submit Thesis Proposal Form (Admission to Candidacy)</td>
<td>Year 3</td>
<td></td>
</tr>
<tr>
<td>Thesis Completed</td>
<td>Year 4</td>
<td></td>
</tr>
<tr>
<td>Thesis Defended</td>
<td>Year 4</td>
<td></td>
</tr>
<tr>
<td>Thesis Handed in to Grad Office</td>
<td>Year 4</td>
<td></td>
</tr>
<tr>
<td>GRADUATE!</td>
<td>Year 4</td>
<td></td>
</tr>
</tbody>
</table>
**PhD Thesis Defense Guidelines**
Digital Media Program
School of Literature, Media, and Communication
Georgia Institute of Technology

A) Before the Defense

1) A date for the candidate's defense is agreed upon by the candidate and all committee members roughly two months in advance. This can be done via email communication between the candidate and committee, and can only happen once the candidate's advisor and any committee members who have been following the candidate's progress closely agree that the candidate is ready to defend.

2) The candidate sends a complete draft of the dissertation document to all committee members at least one month before the defense. In most cases, committee members will have received and commented on partial drafts of the document during the candidate's writing process.

3) Two weeks prior to the defense, an announcement is circulated on all relevant mailing lists at Georgia Tech. This should include the date, time, location, dissertation title, abstract, candidate's name and committee member names.

B) At the Defense (estimated duration = 1.5-3 hours)

Note: Remotely located committee members may join the defense via audio/video connection. In this case, the candidate must provide their slides to the remote committee member at least two days in advance.

1) The advisor and committee chair does a brief introduction to open the session, introduce the candidate, and inform the audience about the order of events.

2) The candidate presents their thesis defense with the help of slides or other visual aids. The presentation should last ~45 minutes.

3) The floor opens for questions from the general audience.

4) When there are no further questions from the general audience, the audience is asked to leave for the closed session. Committee members must remain, and other faculty members may choose to stay as well. Committee members and faculty ask any further questions they have about the defense or document.

5) When there are no further questions from the committee and faculty, the candidate is asked to leave the room while the committee deliberates.

6) The candidate is invited back into the room and informed of the committee's decision and feedback. The committee may ask for changes to the written document and the candidate must make note of these.

C) After the Defense (if the candidate passed their defense)

1) The candidate finalizes the dissertation document, addressing any changes that were requested by the committee during the defense.

2) The final document is reviewed and approved by committee members.

3) The candidate gathers signatures from committee members.

4) The candidate submits their dissertation in time for the graduation deadline.
REQUEST FOR ADMISSION TO Ph.D. CANDIDACY

GEORGIA INSTITUTE OF TECHNOLOGY
OFFICE OF GRADUATE STUDIES & RESEARCH

NEW _____ INSTRUCTIONS BELOW
REVISED _____ (if revised, check all that apply: _____Title _____Committee _____Description)

GTID#GTID#

_______________________________________________________

First Middle Last

PART I. THESIS TOPIC

Thesis Title:

____________________________

__________________________________________________________

Brief Description: (DO NOT EXCEED SPACE PROVIDED BELOW)

Approved by: ____________________________

Signature of Student ID # Campus Box #

__________________________

School Chair School Committee Member Print last name & dept.

__________________________

Thesis Advisor Print last name & dept. Committee Member Print last name & dept.

__________________________

Committee Member Print last name & dept. Committee Member Print last name & dept.

PART II. COMPREHENSIVE EXAMINATION

The above student passed the Comprehensive Examination on ___/___/___ and is admitted to Ph.D. candidacy in

______________________________________________

(Graduate Coordinator)

NOTE: If minor has been approved, please attach a copy to this form.

PART III. ADMISSION TO CANDIDACY

This student is admitted to candidacy for the Ph.D. Degree in

__________________________________ on ___/___/___

__________________________________________ (Dean, Graduate Studies)

rev. 2/17/00
INSTRUCTIONS (for Ph.D. Candidacy form)

This form should be completed and submitted to the Georgia Tech Graduate Office through the Graduate Coordinator when the student has completed the requirements for admission to candidacy for the doctoral degree. To qualify for candidacy, the student must complete all course requirements (except the minor), achieve a satisfactory scholastic record, pass the comprehensive examination and have the thesis topic, advisor and committee approved by the School Director (or Graduate Coordinator) and Graduate Dean.

Part I is to be completed by the student and approved by the appropriate faculty. If a committee member is not on the Ga. Tech faculty, a brief resume (1-2 pages must be attached to the form).

Part II is to be completed by the Graduate Coordinator and Part III by the Georgia Tech Graduate Office. Copies of the approved thesis topic form are sent to the department, student and Registrar's Office.

The minor may be submitted for approval at any time to the Georgia Tech Graduate Office. If the minor is submitted prior to admission to candidacy, it will be approved and returned to the department. It must then be attached to the Admission to Candidacy form is turned in.

Revisions - If any revision to Part I is needed, this form should be used. Check “revised” at the top of the form and also what is to be revised. Type the revised information in the appropriate place below. The student, advisor, school chair (or Graduate Coordinator) and the new committee member, if applicable, should sign the form.

Note - The Manual for Graduate Theses, which is available in the Georgia Tech Graduate Office, gives the procedures for thesis approval and the requirements for format and typing. Theses that do not meet these requirements will not be accepted.

POLICY ON ADVISEMENT OF GRADUATE STUDENT RESEARCH AND APPOINTMENT OF THESIS ADVISORY COMMITTEE (Academic Senate, 12/2/86)

There are two committees which function to advise, approve and conduct the final doctoral oral examination of the thesis and the student's knowledge of the field in which it lies. The first committee is called the Thesis Advisory Committee or the Thesis Reading Committee and consists of at least three persons, one of whom is the Thesis Advisor. This committee approves the research topic, provides advice and guidance during the research and is charged with approving the thesis when the research is completed and presented as the doctoral thesis. When the Thesis Advisory Committee considers the thesis to be satisfactory, a recommendation is made to the Dean of the Graduate Division for the appointment of the second committee, which is called the Final Doctoral Examination Committee, and it consists of at least five individuals.

The Thesis Advisory Committee consists of at least three members satisfying the following: (1) the thesis advisor shall be a member of the Academic Faculty (with approval of the school or college Graduate Committee, an adjunct* faculty member appointed for the specific purpose of advising graduate students may serve as the thesis advisor); (2) the majority of committee members shall be members of the Academic Faculty. The Committee is approved by the Graduate Committee in the School or College, recommended by the School Director or Graduate Coordinator, and appointed by the Dean of the Graduate Division.

The Final Doctoral Examination Committee, which consists of at least five persons, always contains the Thesis Advisory Committee members and others as appropriate, who are recommended by the school or college to the Dean of the Graduate Division for approval. At least one member of the Final Doctoral Examination Committee must be from the academic faculty of a School (or College) that is distinct from the unit in which the student is enrolled.
It is recognized that some Schools and Colleges may wish to appoint a Thesis Advisory Committee which consists of five or more persons and to recommend this committee to serve as the Final Doctoral Examination Committee. Where the constraints outlined above are met for both committees, this is permissible.

• "adjunct" does not indicate formal appointment, but rather appointment as indicated in this policy statement.
GEORGIA INSTITUTE OF TECHNOLOGY
Office of Graduate Studies & Research

CERTIFICATE OF THESIS APPROVAL FOR DOCTORAL STUDENTS

INSTRUCTIONS: This is a fillable pdf file. Use the tab key to navigate through form, and type in information.

GTID# ____________________

Name: ____________________________________________

First               Middle               Last

Thesis Title: ______________________________________

We, the below signed, hereby state our full approval of the thesis submitted by the above student in partial fulfillment of the requirements for the degree of Doctor of Philosophy in the School/College of _________________________________.

Approved by:

Thesis Advisor    Print last name & dept.    Member, Reading Committee    Print last name & dept.

Member, Reading Committee    Print last name & dept.    Member, Reading Committee    Print last name & dept.

Member, Reading Committee    Print last name & dept.    Member, Reading Committee    Print last name & dept.

The above named student has completed all departmental requirements and oral presentation.

_________________________________________    ____________________________

School Chair/Graduate Coordinator    Date

******************************************************************************

(GEORGIA TECH GRADUATE OFFICE USE ONLY)

The Georgia Tech Graduate Office has received the above dissertation and appropriate forms.

_________________________________________    ____________________________

Signature    Date

rev. 1/2002
Request for Approval of Doctoral Minor

NAME OF STUDENT: ______________________  gID: ______________________
DEPARTMENT OR MAJOR: ______________________

Major Concentration (e.g. modeling atmospheric chemistry OR microelectronics):

Minor Concentration (e.g. computer simulation OR solid state physics)

The following Courses constitute the minor:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Description</th>
<th>When Taken</th>
<th>Credit Hours*</th>
<th>Grade</th>
<th>If not taken @ GIT, where taken &amp; what level **</th>
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Total Number of Semester Credit Hours ***: __________

* Credit hours: If taken on a quarter basis, multiply by .67 semester credit hours.
** Courses should be graduate level; senior-level courses may be allowed if not in major.
*** Must total at least nine semester credit hours completed

Approved: ______________________  Date: __________
Major Advisor [optional]

Approved: ______________________  Date: __________
Graduate Coordinator

Noted: ______________________  Date: __________
Graduate Office

07/15/03