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Grad Seminar Syllabus
(Sat Aug 31, 2019 08:05 PM - Tue Dec 31, 2019 12:00 AM)

Graduate Seminar in Music Technology

Prof. Paul Geluso

Tuesday 4:55p – 6:35p Room 303

pg17@nyu.edu

Prof. Geluso's Sign-up office hrs : 4:45 to 7:00 Wednesdays 6th Floor

https://docs.google.com/spreadsheets/d/1M_uT8Px2GjV35cd5lRal0lvGsRy1NphE3RBJEq8nOSU/edit?usp=sharing

Course Description:

The Graduate Seminar provides students with the intellectual framework for assimilating and developing ideas within the rapidly developing field of Music Technology. The course will introduce the foundations of the major research foci of the NYU Music Technology faculty, giving students an orientation that will help them identify research areas and mentors as they begin to formulate plans for their thesis work. Weekly assignments will familiarize students with seminal writings in each area, and hone their academic writing skills to the level expected in graduate coursework and theses.

Learning Outcomes:

The primary objective of this seminar is for students to gain comprehensive insight into the vast field of music technology, its complex manifestations in contemporary society, and to develop an awareness of current research areas that might be developed toward the topic of your Masters thesis. This is not an engineering course per se, thus a command of higher mathematics is not required. We will study and discuss many technical matters, since an understanding of the implications of technology to music is an essential requirement for today's music technologist. It is a significant part of your work in the seminar— and in the Music Technology Program—to develop an entrepreneurial, and highly active, involvement in the process of your own education. In order to develop intellectually and academically, each seminar member is expected to pursue areas they may be curious about, and to prepare research contributions for the benefit of all students in the seminar. Weekly writing assignments will assist your understanding and hone your writing style to the level expected in subsequent coursework and your thesis.

Course Website:

This course has a dedicated NYU Classes website (under the Academics tab of your NYU Home site). The syllabus, details about assignments, and any other general course information will be available on this page. In addition, email postings will be made regarding events or other items of importance regarding this course.

Writing Style:

All written assignments and references must use the American Psychological Association (APA) style. Reviewing a recent copy of the Publication Manual of the American Psychological Association is highly recommended. Reading chapters two and three of the 6th edition is a good place to begin if you are not familiar with scientific writing.

Students with Disabilities:

Academic accommodations are available for students with documented disabilities. Please contact the Moses Center for Students with Disabilities at 212-998-4980 for further information.

Class Date - Class Topic - Assignments Due

1 - Sept 3 - Introductions and Welcome Reception

2 - Sept 10 - Graduate Research Orientation

3 - Sept 17 - MT Faculty Presentation 1 - Music Production, Sound Recording, and Acoustics Paper Due

4 - Sept 24 - MT Faculty Presentation 2

5 - Oct 1 - MT Faculty Presentation 3 - Hardware and Software Design and Application Paper Due

6 - Oct 8 - MT Faculty Presentation 4 - Pre-Thesis Advisement Meeting Report 1 Due

Oct 15 no class (Monday schedule)

7 - Oct 22 - SIG Presentations 1 - Music Informatics and Cognition Paper Due

8 - Oct 29 - SIG Presentations 2

SIG Papers Due

9 - Nov 5 - MT - Faculty Presentation 5

Computer music and Interactive Systems Paper Due

10 - Nov 12 - MT - Faculty Presentation 6

Pre-Thesis Advisement Meeting Report 2 Due

11- Nov 19 MT Faculty Presentation 7

Immersive Audio and XR Environments Paper Due

12 - Nov 26 MT Faculty Presentation 8

13 - Dec 3 - Final Project Presentations 1

14 - Dec 10 - Final Project Presentations 2 - Final Research Paper Paper Due

Grading Criteria:

Seminar participation 5%

Pre-Thesis Advisement Report 10%

Guided Research Papers 50%

SIG report and presentation 15%

Final project report and presentation 25%

Guided Research Assignments:

Individual research papers summarize important work in key areas of Music Technology. A list of readings from conference papers, journal articles, and other sources will be selected by the NYU Music Technology faculty to serve as an example of base references. Each 750 word paper should reference at least 3 publications and follow the APA style guide carefully for writing style, tone, and references.

Faculty selected publications resource list for Music Technology research :

https://docs.google.com/spreadsheets/d/1dNhwxMlCWPvNJhGp5HZTpXpWiz2l447vSwwxk42WcHo/edit?usp=sharing

Special Interest Groups (SIGs):

We will create the following topic-specific special interest groups :

Note: A concentration on Music Education can be applied to any of these areas of research below .

- **Music Production, Sound Recording, and Acoustics**

- **Hardware and Software Design and Application**

- **Computer music and Interactive Systems**

- **Immersive audio for XR Environments**

- **Music Informatics**

- **Music Cognition**

- **Music Theory**

Students will sign up to be a part of a group and meet with their group weekly. Groups will prepare for a presentation of their special interest area . Backed by a solid understanding of the current state of knowledge and research, each team must define a problem, important question, or hole in their area of focus. The team will work together to come up with novel approaches to solve the problem. Team members will divide the work and will each contribute to the project. Each group will give a 15-minute presentation, and each individual will submit a 1000-word paper showing their contribution to the group's work. The group may select one member to make the presentation – the group's work will be graded based on the quality and fluidity of the presentation, staying within the time limit, your grade will not be affected by whether you speak or not.

Pre-Thesis Advisement Reports:

Students will meet individually with 2 different Music Technology Faculty advisors to talk about thesis ideas. Each meeting will be followed up by a 500 word report with a summary of what was discussed in the meeting and subsequent research. A list of faculty thesis advisers will be supplied on NYU classes.

Faculty Office Hrs .

https://docs.google.com/spreadsheets/d/1FcB_Lg-hfcs5JVm_z6IvXFJST43ADGHwSd9mvtltVEw/edit#gid=0

Final Project:

The final project will be an individual project on a research topic selected by the student. A 1500-word paper is required, along with a final 8-minute project presentation.

Statement on Academic Integrity:

Students are expected-often required-to build their work on that of other people, just as

professional researchers and writers do. Giving credit to someone whose work has helped

you is expected; in fact, not to give such credit is a crime. Plagiarism is the severest form of

academic fraud. Plagiarism is theft. More specifically, plagiarism is presenting as your own:

• a phrase, sentence, or passage from another writer's work without using quotation

marks;

· a paraphrased passage from another writer's work;

· facts, ideas, or written text gathered or downloaded from the Internet;

· another student's work with your name on it;

· a purchased paper or "research" from a term paper mill.

Other forms of academic fraud include:

· "collaborating" between two or more students who then submit the same paper

under their individual names.

· submitting the same paper for two or more courses without the knowledge and the

expressed permission of all teachers involved.

· giving permission to another student to use your work for a class.

Term paper mills (web sites and businesses set up to sell papers to students) often claim they

are merely offering "information" or "research" to students and that this service is acceptable

and allowed throughout the university. THIS IS ABSOLUTELY UNTRUE. If you buy and

submit "research," drafts, summaries, abstracts, or final versions of a paper, you are

committing plagiarism and are subject to stringent disciplinary action. Since plagiarism is a

matter of fact and not intention, it is crucial that you acknowledge every source accurately

and completely. If you quote anything from a source, use quotation marks and take down

the page number of the quotation to use in your footnote.

Consult The American Psychological Association (APA) Style Guide for accepted forms of

documentation, and the course handbook for information on using electronic sources. When

in doubt about whether your acknowledgment is proper and adequate, consult your teacher.

Show the teacher your sources and a draft of the paper in which you are using them. The

obligation to demonstrate that work is your own rests with you, the student. You are

responsible for providing sources, copies of your work, or verification of the date work was

Completed.

Students are responsible for understanding the concept of plagiarism, and knowing and understanding the contents of the University "Statement of Academic Integrity"

http://steinhardt.nyu.edu/policies/academic_integrity

Plagiarism will immediately result in a failing grade in the course and the student will be reported to their school's academic Dean.

Steinhardt School of Culture, Education and Human Development Grading Scale

There is no A+

A 93-100

A- 90-92

B+ 87-89

B 83-86

B- 80-82

C+ 77-79

C 73-76

C- 70-72

D+ 65-69

D 60-64

There is no DF

Below 60

I Incomplete

N No Grade