GAM 224
Strategies in Game Design

Monday and Wednesdays: 11:50 am – 1:20 pm (Section 601)
1:30 pm – 3:00 pm (Section 602)
Room: CST 216
Professor Robin Burke
Office: CS&T 453
Office Hours: Mondays and Wednesdays, 11:00-11:45 am; Tuesdays 10:00-11:30 am and by appointment.
(Note: no Tuesday office hours on 3/29 or 4/5.)
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Description
This course approaches the study of computer games from three angles: first, as examples of media that can be analyzed and critiqued for their thematic elements, formal structure, plot and interactive appreciation; second, as complex software artifacts subject to technological constraints and the product of a labor-intensive design and implementation process; and three as a cultural artifact with behaviors and associations comparable in import to other popular art forms. Student will study the principles of game design and use them both to analyze existing games and to develop their own original game ideas. Students will also learn about the process of game development, starting from the game's narrative concept and moving to consideration of a game's components: the representation of the player, of artifacts, the virtual world that contains them and the interaction between them and the player.

Prerequisites
None

Course Text
Other readings available on-line

Supplies
All students are required to purchase
• a deck of playing cards and
• a pair of ordinary six-sided dice.
These will be used for game design and analysis exercises. Bring them to class every day. I will check!

Students may need a memory card or other storage media for their game analysis project.

Resources
Students in the class will have access to the CTI Computer Game Lab. Some assignments will require that student use specific games available in this lab. Students performing assignments have priority for the use of the lab hardware and software. See http://defrag.depaul.edu/ for information on lab times. Please remember that the lab is staffed by volunteers – be understanding. You will be required to give provide your student ID when checking out game hardware and/or software.

Web Site
The course web site will be an important resource for all aspects of the course:

http://josquin.cti.depaul.edu/~rburke/courses/s05/gam224/
The schedule and other syllabus information may change during the quarter: the web site will contain the most up-to-date information.

**Organization and Assessment**

GAM 224 will meet twice a week. Generally, we will alternate our class sessions between lectures on game design topics, analysis of particular games and in-class activities designing and playing games. Students are expected to attend all classes, do the assigned reading and homework before class time.

Student progress will be assessed through a combination of regular homework assignments, short reaction papers for selected games, an individual project analyzing a particular game, a group game design project, and participation in the class.

- Homework – 15%
- Reaction Papers – 20%
- Analysis Project – 30%
- Design Project – 25%
- Participation – 10%

**Reaction Papers**

I have chosen nine different computer games as our course game syllabus. All students will play these games for at least an hour over the course of the quarter and write a short reaction paper. One of these papers is due in class on Wednesday every week from weeks 2 through 10. They may not be turned in late or turned in by email. You can choose which game to do during any given week. Of the nine games, seven are available at the CTI game labs and one is an on-line game. To get credit for the ninth reaction paper, students will be required to visit the Museum of Science and Industry's "Game On" exhibit and report on one of the arcade games exhibited there. An optional weekend trip to the Museum will be scheduled during the quarter.

**Analysis Project**

Each student will perform an in-depth analysis of a single game title of his or her choice. The following will be required:

- Substantial play-time with the title, sufficient to master basic game play and to encounter most of the game's components. (Playing the game all the way through would be ideal but not practical for many titles.)
- Researching the game's community presence through FAQ files, walk-throughs, fan sites and other documents.

The analysis will follow the rubric of our book: "rules, play and culture", and will consist of three 5-page (1200-1500 word) papers analyzing the selected game through each of these perspectives.

**Game Design and Game Play Teams**

Students will work in teams of 3 or 4 for in-class game play activities and for the game design final project. Teams will be formed during the first and second weeks of class. Some homework assignments will involve group activities outside of class.

**Weekly Schedule**

**Unit 1: Introduction**

3/28: Introduction to the course. Discussion of syllabus, grading and requirements.
Reading: *Rules of Play*, Ch. 1, 2 and Knizia essay.

3/30: Game design activity
Reading: *Rules of Play*, Ch. 3-5

Reading: *Rules of Play*, Ch. 6-10, Garfield game design
4/6: Arcade game case study

Unit 2: Rules

4/13: Game design activity
Reading: Rules of Play, Ch. 15 & 16.


4/20: Game design activity


4/27: Strategy game case study
Reading: Rules of Play, Ch. 21, Lantz game design

Unit 3: Play
5/2: Play and Experience. Experiential aspects of game design. Qualities of play activities. Defining the "core mechanic". Reading: Rules of Play, Ch. 22 & 23


5/11: Game design activity
Reading: Rules of Play, Ch. 28, Snyder game design

5/16: Action game case study

Unit 4: Culture


5/25: Game and cultural environments. Games that challenge the boundaries of the "magic circle". Linkages between games and real-world environments and realities. Reading: Rules of Play, Ch. 33, Ernest game design
5/30: Memorial Day – No class

6/1: Action adventure case study

6/10: Final project due

Policies
Students are expected to attend all classes and participate in in-class exercises. Class will start promptly. Students are individually responsible for material they may have missed due to absence or tardiness.

Most assignments will be submitted to the Course On-Line site or in class. Do not submit assignments by email. All assignments should be completed and submitted by class time on the due date. Late assignments will be accepted up to two days after the due date with a 10% penalty per day. The design project may not be submitted late.

Assignments (except for designated group assignments) must represent a student's individual effort. While students are permitted to discuss assignments at the conceptual level, under no circumstances should students share specific answers (electronically or otherwise).

Domain Description
GAM 224 is included in the Liberal Studies program as a course with credit in the Arts and Literature Domain. Courses in the Arts and Literature Domain ask students to extend their knowledge and experience of the arts by developing their critical and reflective abilities. In these courses, students interpret and analyze particular creative works, investigate the relations of form and meaning, and through critical and/or creative activity to come to experience art with greater openness, insight, and enjoyment. These courses focus on works of literature, art, theatre, or music as such, though the process of analysis may also include social and cultural issues. Students who take course in this domain choose three courses from such choices as literature, the visual arts, media arts, music, and theater. No more than two courses can be chosen from one department or program.

School Policies

Online Instructor Evaluation
Course and instructor evaluations are critical for maintaining and improving course quality. To make evaluations as meaningful as possible, we need 100% student participation. Therefore, participation in the School’s web-based academic administration initiative during the eighth and ninth week of this course is a requirement of this course. Failure to participate in this process will result in a grade of incomplete for the course. This incomplete will be automatically removed within seven weeks after the end of the course and replaced by the grade you would have received if you had fulfilled this requirement.

Email
Email is the primary means of communication between faculty and students enrolled in this course outside of class time. Students should be sure their email listed under "demographic information" at http://campusconnect.depaul.edu/ is correct.

Plagiarism:
The university and school policy on plagiarism can be summarized as follows: Students in this course, as well as all other courses in which independent research or writing play a vital part in the course requirements, should be aware of the strong sanctions that can be imposed against someone guilty of plagiarism. If proven, a charge of plagiarism could result in an automatic F in the course and possible expulsion. The strongest of sanctions will be imposed on anyone who submits as his/her own work a report, examination paper, computer file, lab report, or other assignment which has been prepared by someone.
else. If you have any questions or doubts about what plagiarism entails or how to properly acknowledge source materials be sure to consult the instructor.

**Incomplete:**
An incomplete grade is given only for an exceptional reason such as a death in the family, a serious illness, etc. Any such reason must be documented. Any incomplete request must be made at least two weeks before the final, and approved by the Dean of the School of Computer Science, Telecommunications and Information Systems. Any consequences resulting from a poor grade for the course will not be considered as valid reasons for such a request.

**Game Syllabus**
Students are required to play each of these games and submit a reaction paper.

- Any arcade game in the Museum of Science and Industry "Game On" exhibit
- Grand Theft Auto 3, Grand Theft Auto: Vice City or Grand Theft Auto: San Andreas
- Half-Life or Half-Life 2
- Katamari Damacy
- Mario Kart Double Dash!!
- Myst
- Sims or Sims 2
- Sissyfight 2000 (http://www.sissyfight.com/)
- Warcraft 2 or Warcraft 3