

## **SYLLABUS: GAM 226: Fundamentals of Game Design, Spring 2015**

### **CLASS MEETING TIME & LOCATION**

Tuesday 5:45PM-9:00 PM

Location: Lewis Building 1007 at Loop Campus

### **INSTRUCTOR**

JJ Bakken

Office: CDM building, room 434

Office hours: Monday 6:00PM – 9:00PM or anytime by appointment

E-mail: [jbakken@cdm.depaul.edu](mailto:jbakken@cdm.depaul.edu)

### **COURSE DESCRIPTION**

GAM 226 provides students with a practical foundation in game design with a focus on concept development, design decomposition, and prototyping. Using game design theory, analysis, physical prototyping, playtesting, and iteration students learn how to translate game ideas, themes, and metaphors into gameplay and player experiences. Students will further be exposed to the basics of effective game idea communication.

### **LEARNING OBJECTIVES**

Students will learn to

- develop the vocabulary and critical understanding to describe and analyze the components of games and gameplay experiences,
- develop a game idea from concept to playable, analogue prototype,
- use common methods for documenting game designs such as game design documents and playtesting reports,
- communicate their game ideas through pitch, prototype and presentation

### **REQUIRED MATERIALS**

- Fullerton, T. (2007). Game Design Workshop (GDW): A playcentric approach to creating innovative games. Burlington, MA: Morgan Kaufmann Publishers.
- Other recommended reading
  - Salen, K. and Zimmerman, E. (2004) Rules of Play: Game Design Fundamentals. Cambridge, MA: MIT Press.
  - Schell, J. (2008) The Art of Game Design. Burlington, MA: Elsevier Inc.
  - Anthropy, A. & Clark, N. (2014) A Game Design Vocabulary. Addison-Wesley.

### **D2L**

We are using D2L (<http://d2l.depaul.edu>) as the supporting learning platform for this course. All course materials including weekly lecture slides and class info (i.e. syllabus, lesson plan, assignment descriptions etc.) are available through D2L under “contents”.

Assignments are submitted to its dedicated folder on Dropbox on D2L. This is also where you will get written feedback to your assignments from me.

## GRADING:

Grand total of 100 possible points (plus 2 bonus points)

A = 91+

A- = 90

B + = 89

B = 88-81

B- = 80

C + = 79

C = 78-71

C- = 70

D + = 69

D = 68- 61

D - = 60

F = 59 or lower

## ASSIGNMENT OVERVIEW & WEIGHTED GRADE BREAK-DOWN:

### ***Attendance and In-Class Participation: 20%***

For more details on attendance and in-class participation points, see **Course Policies** below.

### ***Preparation Phase:***

- 2 One Paragraph Game Ideas: 8% (4% each) of final grade
- Modify a broken game into a more meaningful gameplay experience 8%
- Designing a Kindness: 4%
- Narrative Game Design One Pager: 5%

### ***Final Game Design Project:***

- One Sentence Pitch: 1%
- Team Formation and Schedule Document: 4%
- One Pager: 5%
- Game Design Pillars: 4%
- 4 Progress Reports: 8% (2% each)
- Game Pitch Presentation: 15%
- Playable Prototype: 15%
- Peer Evaluation: 3%

## REQUIRED MATERIALS

### **Game Design Journal**

Get one. See it as a symbolic act of becoming a game designer. A simple notebook will do. Use it to write down game ideas. All the time. Notice the games and gameplay opportunities in your daily life. Inspiration is everywhere. Make it your goal to jot down at least 3 ideas every day.

This will help you learn to see life through the eyes of a game designer. As your game designer eyes develop (focus) you will find that game ideas will pop up everywhere and the journal will provide a place to collect them for future reference. The more you put in, the more you get out.

## **Prototyping Materials**

Get yourself some graph paper, legos, blank index cards, playing cards, and a bag of dice. Prototyping materials for in-class exercises will be provided by the instructor, but for your work on the final project, you will need to get your own materials. Educational supply shops, dollar shops, even your kitchen can be amazing sources for prototyping materials.

## **RESOURCES:**

As a student in the class, you have access to the CDM Gaming labs (see <http://defrag.depaul.edu> for details). If you're working on an assignment, you have priority for the use of the lab hardware and software. Student ID is required to use the labs.

## **COURSE POLICIES**

***Participation and Attendance:*** You are expected to attend all classes and participate in class activities as scheduled. Do not underestimate the importance of attendance and participation in this class. As stated above, 20% of your grade depends on participation and attendance. You should not assume that these points are “a given”. On the contrary, participation must be earned by showing up on time to every class, displaying full engagement in all discussions and activities, completing all assignments, and listening actively and attentively to the instructor and your peers.

Regarding attendance, 1 a letter grade will be docked from your final grade in the course for each absence beyond two (2). For example, if you end the class with an A, but have missed 4 classes in total, your final grade would be a C. Think of the two “free” absences as sick days or emergency days. If you use them for other reasons early in the term, you may find yourself in a bind, if you get sick later on, or need to miss class for a family emergency. Because it is impossible for me to determine fairly what constitutes a compelling reason to miss class, there are no excused absences beyond these two. In all cases, please make every effort to contact me and explain the circumstances of your absence before you miss class. Always check with me about any work or assignments you may have missed.

***Class Discussion:*** Student participation in class discussions will be measured in two ways. First, students are highly encouraged to ask questions and offer comments relevant to the day's topic. Participation allows the instructor to “hear” the student's voice when grading papers. Secondly, students will be called upon by the instructor to offer comments related to the reading assignments. Students must keep up with the reading to participate in class discussion.

***Attitude:*** A professional and academic attitude is expected throughout this course. Measurable examples of non-academic or unprofessional attitude include but are not limited to: talking to others when the instructor is speaking, mocking another's opinion, cell phones ringing, emailing, texting or using the internet whether on a phone or computer. If any issues arise a student may be asked to leave the classroom. The professor will work with the Dean of Students Office to navigate such student issues.

***Civil Discourse:*** DePaul University is a community that thrives on open discourse that challenges students, both intellectually and personally, to be Socially Responsible Leaders. It is the expectation that all dialogue in this course is civil and respectful of the dignity of each student. Any instances of disrespect or hostility can jeopardize a student's ability to be successful in the course. The professor will partner with the Dean of Students Office to assist in managing such issues.

***This class has a “no-screens” policy.*** While class is in session, your attention should not be divided between classroom activities and electronic devices, including laptops, smart phones, iPads, etc. If you bring a cell phone to class, it must be off or set to a silent mode. Should you need to answer a call during class, students must leave the room in an undistruptive manner. Out of respect to fellow students and the professor, texting is never allowable in class. If you are required to be on call as part of your job, please advise me at the start of the course.

***Assignment Submission:*** Most assignments will be submitted to Dropbox on D2L (except for presentations). Do not submit assignments by email. All assignments are due before class on the due date. Late assignments except for the last one will be accepted up to two days after the due date with a letter grade deduction for each late day (If an assignment with an “A” grade is turned in 2 days late, it will receive a “C”.) After two days late, no work will be accepted.

Please note that some of the main assignments for this class consist of in-class playtesting of your projects. Since these assignments require your presence on the day of playtesting, deadlines are fixed and extensions cannot be granted.

***Writing:*** While this class does not emphasize essay writing, game rules and text are expected to be clear, spell-checked, and demonstrate a high proficiency in written English. The Writing Center offers free one-on-one professional advice from published writers about all types of academic, creative, and professional writing and oral presentations. Go to <http://condor.depaul.edu/writing/> for more information and to set up appointments.

***Email:*** Email is the preferred means of communication between faculty and students enrolled in this course outside of class time. My email is [jbakken@cdm.depaul.edu](mailto:jbakken@cdm.depaul.edu)

## **COLLEGE POLICIES**

### ***Changes to Syllabus***

This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class, posted under Announcements in D2L and sent via email.

### ***Online Course Evaluations***

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in [CampusConnect](#).

### ***Academic Integrity and Plagiarism***

This course will be subject to the university's academic integrity policy. More information can be found at <http://academicintegrity.depaul.edu/>. If you have any questions be sure to consult with

your professor.

### ***Student rights***

You have rights as a student. To learn about these rights please read DePaul's policies for students regarding student rights, located here

<http://sr.depaul.edu/catalog/catalogfiles/current/undergraduate%20student%20handbook/pg51.html>

### ***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. For more information on requesting an Incomplete:

<http://www.cdm.depaul.edu/Current%20Students/Pages/Grading-Policies.aspx>.

### ***Academic Policies***

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the [University Academic Calendar](#). Information on enrollment, withdrawal, grading and incompletes can be found at: [cdm.depaul.edu/enrollment](http://cdm.depaul.edu/enrollment).

### ***Students with Disabilities***

Students who feel they may need an accommodation based on the impact of a disability should contact me privately to discuss their specific needs. All discussion will remain confidential. To ensure that you receive the most reasonable accommodation based on your needs, contact me as early as possible in the quarter (preferably within the first week of the course) and be sure to contact the following office for support and additional services:

Center for Students with Disabilities (CSD)

Lewis Center 1420, 25 East Jackson Blvd.

Phone number: (312)362-8002

Fax: (312)362-6544

TTY: (773)325.7296

[www.studentaffairs.depaul.edu/csd](http://www.studentaffairs.depaul.edu/csd)

[csd@depaul.edu](mailto:csd@depaul.edu)

### **Important Dates AQ2014:**

March 30: Begin SQ 2015 All Classes

April 10: Last day to drop classes with no penalty. Last day to select pass / fail option

April 11: Last day to withdraw from AQ2014 classes

June 6: Begin AQ2014 Day & Evening classes final exams

June 12: End AQ2014 Day & Evening final exams

June 15: Begin Winter Break

June 19: Autumn 2014 Grades Due

## **LESSON PLAN**

Please note that the lesson plan is not part of the syllabus anymore and that some of these

sessions and readings may change during the course. Please check the schedule on D2L for updates.

March 31	<p>Course Overview &amp; Syllabus The Role of The Game Designer Introductions Game Mechanics</p> <p>Exercise: squiggly line game design</p> <p>Reading: GDW CH1: "Role of Game Designer" GDW CH6: "Conceptualization" GDW CH3: "Formal Elements" GDW CH5: "Working With Formal Elements"</p> <p>Doug Church: formal, abstract design tools (D2L, contents, week 1)</p>
April 7	<p>Lecture: Meaningful Play</p> <p>Lecture: Verbs, Verbs, Verbs</p> <p>Exercises:</p> <ul style="list-style-type: none"><li>• Identify verbs in existing games and other media</li><li>• Discuss verbs used when playing your favorite games;</li><li>• What games have used these verbs in interesting or unusual ways?</li><li>• What verbs do you use in regular life?</li><li>• What kind of game would result if you decided to use an ordinary verb / ordinary verbs as the basis for a system?</li><li>• Explore James Bond's verbs: what is used in the movies? What is used in the game?</li><li>• Come up with an idea for a James Bond game that uses movie James Bond verbs.</li></ul> <p>Discussion of game ideas</p> <p>Play &amp; analyze FLUXX</p> <p>Reading: A Game Design Vocabulary, CH2 (pdf on D2L, contents, week 2) Rules of Play: CH3, Meaningful Play (D2L, contents, week 3)</p> <p>Due: One Paragraph Game Idea #1</p>

April 14	<p>Lecture: Mechanics – Dynamics – Aesthetics (MDA) Exercise: 7 deadly sins</p> <p>Playtesting of “fixed” games; In-class discussion</p> <p>Discussion of game ideas</p> <p>Reading: Hunicke, LeBlanc, Zubeck: MDA: A Formal Approach to Game Design and Game Research (D2L, content, week 3) Zimmerman: Broken Games and Meaningful Play (D2L, contents, week 3)</p> <p>Due: Modify a broken game into a more meaningful gameplay experience One Paragraph Game Idea #2</p>
April 21	<p>Lecture: Types of Games (Caillois), Types of Players (Bartle / Brown)</p> <p>Designing for dramatic effect: Opposition / challenge</p> <p>Exercise: Us vs. It</p> <p>Discussion of “Kindness” exercise</p> <p>Reading: GDW CH10: “Functionality, Completeness and Balance”</p> <p>Stuart Brown: Play Richard Bartle: players who suit Muds <a href="http://www.mud.co.uk/richard/hcds.htm">http://www.mud.co.uk/richard/hcds.htm</a> (D2L, contents, week 4)</p>
April 28	<p>Dramatic Elements of Games: Games, Characters, Story</p> <p>Reading: GDW CH4: “Working with dramatic elements” Soren Johnson: Theme is not Meaning (D2L, content, week 5)</p> <p>Due: Designing a Kindness</p>

May 5	<p>Analog prototyping and playtesting lecture</p> <p>Prototyping and playtesting exercise: Digital to Physical: use prototyping process described in GDW pp. 188-205</p> <p>Due: One page narrative game design</p> <p>Reading: GDW CH7: "Prototyping" GDW CH9: "Playtesting"</p> <p>Team project selection and team formation</p> <p>Due: one sentence pitch</p>
May 12	<p>Prototyping exercise: Real-Time simulation: shooter prototyping</p> <p>Due:</p> <ul style="list-style-type: none"> <li>• Team formation &amp; schedule;</li> <li>• One pager description</li> </ul> <p>Game design pillars</p> <p>Reading: GDW CH12: "Team Structures" GDW CH 13: " Stages of Development" (particularly: how to make a project plan, p.382)</p> <p>In-class work-session for final project;</p> <p>Due: Final project progress report #1</p>
May 19	<p>In-class playtesting teams 1-3</p> <p>In-class playtesting, teams 4-6</p> <p>Due: Final project progress report #2</p>



May 26	<p>Lecture on game pitch presentation: what should it contain?</p> <p>Open prototyping work session</p> <p>In-class playtesting, teams 1-3</p> <p>Due: Final project progress report #3</p>
June 2	<p>In-class playtesting, teams 4-6</p> <p>Game Pitch Presentations</p> <p>Due:</p> <ul style="list-style-type: none"> <li>• Final project progress report #4</li> <li>• Game pitch presented in class</li> </ul>
June 9	<p>Final Game Showcase</p> <p>Due:</p> <ul style="list-style-type: none"> <li>• Final project presentation in class</li> <li>• Peer evaluations</li> </ul>