GAME 207
Digital Sound for Computer Games
Proposed Start: Spring 2011

Instructor's Name:

Office Location:

Office Hours:

Office Phone:

E-mail:

Course Description:
This course introduces the student to the basics of digital sounds. Course topics include the study of digital sound compression, game audio design patterns, music sequences for games, and sound APIs.

Illinois Articulation Initiative (IAI) number

Credit and Contact Hours:

<table>
<thead>
<tr>
<th>Lecture/Demonstration</th>
<th>Lab/Studio</th>
<th>Credit Hours</th>
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<tbody>
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<td>4</td>
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<td>4</td>
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</table>

Prerequisite: GAME 211 and CIS 130 or CIS 236
Other: or consent of department

Books, Supplies, and Supplementary Materials:

- Textbooks/Reading list
  Required
  Optional - None

- Manuals/Study Guides
  Required - None
  Optional - None
• **Periodicals**
  Required - None
  Optional - None

• **Software**
  Required - None
  Optional - None

• **Supplementary materials**
  1. Flash drive, preferably 16 gig, OR and external hard drive.

**Methods of Instruction:**

- Lecture

**Other Methods**

- 

**Student Learning Outcomes:**

  **Course Content Outcomes**
  1. The student will learn how to create and save WAV and MP3 audio files.
  2. The student will learn how to apply filters and effects to their audio files.
  3. The student will understand how and why dynamic audio files are necessary.
  4. The student will use an audio visualizer to understand the importance of tonality.
  5. The student will write audio files in various proprietary languages.

**General Education Student learning outcomes:**

None

**Graded assignments and policies:**

**Graded Assignments**

- None

**Grading policy**

- None

**Major Tests and Quizzes**

- None

**Classroom Policies and Procedures**

  **A. General Information**

  **B. Attendance Policy**
C. Make-up Policy

D. Extra-credit Policy

E. Final Exam Information

F. Academic Honor Code
   The objective of the academic honor code is to sustain a learning-centered environment in which all
   students are expected to demonstrate integrity, honor, and responsibility, and recognize the
   importance of being accountable for one's academic behavior.

G. College Statement about grades of 'F' and withdrawal from class
   o Students may withdraw from a course by processing an add/drop form during regular office
     hours through the Registration and Records Office at Main Campus or Romeoville Campus, or
     by phone at 815-744-2200. Please note the withdrawal dates listed on your bill or student
     schedule. Every course has its own withdrawal date. Failure to withdraw properly may result in
     a failing grade of 'F' in the course.
   o At any time prior to the deadline dates established, an instructor may withdraw a student
     from class because of poor attendance, poor academic performance or inappropriate
     academic behavior, such as, but not limited to, cheating or plagiarism.

H. Intellectual Property
   Students own and hold the copyright to the original work they produce in class. It is a widely
   accepted practice to use student work as part of the college's internal self-evaluation, assessment
   procedures, or other efforts to improve teaching and learning and in promoting programs and
   recruiting new students. If you do not wish your work to be used in this manner, please inform the
   instructor.

I. Student Code of Conduct
   Each student is responsible for reading and adhering to the Student Code of Conduct as stated in
   the college catalog.

J. Sexual Harassment
   Joliet Junior College seeks to foster a community environment in which all members respect and trust
   each other. In a community in which persons respect and trust each other, there is no place for
   sexual harassment. JJC has a strong policy prohibiting the sexual harassment of one member of the
   college community by another. See Catalog or Student Handbook.

K. Student Support http://jjc.edu/services-for-students/pages/default.aspx
   a. Disability Services: http://jjc.edu/services-for-students/disability-services/Pages/default.aspx
      Student Accommodations and Resources (StAR): If you need disability-related
      accommodations, specialized tutoring, or assistive technology in this class, if you have
      emergency medical information you wish to share with me, or if you need special
      arrangements in case the building must be evacuated, please inform me immediately.
      Please see me privately after class or at my office. New students should request
      accommodations and support by scheduling an appointment with the Student
      Accommodations and Resources (StAR) Office, Campus Center 1125, (815) 280-2230.
b. Tutoring: [http://jjc.edu/services-for-students](http://jjc.edu/services-for-students)
c. Counseling and Advising: [http://jjc.edu/services-for-students/counseling-advising](http://jjc.edu/services-for-students/counseling-advising)
d. Academic Resources: [http://jjc.edu/services-for-students/academic-resources](http://jjc.edu/services-for-students/academic-resources)
e. Support Programs: [http://jjc.edu/services-for-students/support-programs-services](http://jjc.edu/services-for-students/support-programs-services)
f. Technology Support: [http://jjc.edu/services-for-students/Pages/technology-support.aspx](http://jjc.edu/services-for-students/Pages/technology-support.aspx)

L. **Safety**

M. **College Documentation Styles**

<table>
<thead>
<tr>
<th>Week</th>
<th>Unit, Topic, Class Activity</th>
<th>Comments</th>
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<tbody>
<tr>
<td>1</td>
<td>Intro to Game Audio</td>
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<tr>
<td>2</td>
<td>Understanding Sound &amp; Soundbooth</td>
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<td>3</td>
<td>Essential Tools</td>
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<td>4</td>
<td>Creating Sound Effects for Games</td>
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<tr>
<td>5</td>
<td>Recording</td>
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<td>6</td>
<td>Overview of Effects</td>
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<tr>
<td>7</td>
<td>Dialog Recording</td>
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<tr>
<td>8</td>
<td>Midterm Exam</td>
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<td>9</td>
<td>Creating Music for Games</td>
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<td>10</td>
<td>Creating Background Music in Soundbooth</td>
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<td>11</td>
<td>Syncing Audio &amp; Video</td>
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<tr>
<td>12</td>
<td>Development Process Maps</td>
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<tr>
<td>13</td>
<td>Pro Tools Editing</td>
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<tr>
<td>14</td>
<td>Pro Tools Recording</td>
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<tr>
<td>15</td>
<td>Pro Tools Plug-Ins</td>
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<tr>
<td>16</td>
<td>Final Project</td>
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**Effective Date:**
01-Jan-2011

Signature of Department Chair:__________________________________

CID: 1550