Course Prefix and Number: COMM 236 
Credit Hours: 3

Course Title: 3D Modeling

Course Prerequisites: None


Course Description: This course explores creating in 3-dimensions using numerous modeling workflows. Students will learn various techniques for texturing, lighting, and rendering to bring their digital sculptures to life.

Learning Outcomes: At the end of this course the student will be able to:

A. create 3D models using different methodologies;
B. apply paint and texture to models;
C. render images.

To achieve the learning outcomes, the student will:

1. navigate and customize a 3D workspace; (A)
2. create a polygonal model; (A)
3. create a model using curves and NURBS; (A)
4. create a model using digital sculpting tools; (A)
5. apply and customize shaders; (B)
6. place and modify textures; (B)
7. paint in 3D (B)
8. place lights in a scene (C)
9. create a turntable; (C)
10. use different renderers and modify their settings. (C)

Course Requirements: This course requires attendance, class participation, assignments, exams, and projects as determined by the instructor.

Course Grading Scale: 

<table>
<thead>
<tr>
<th>Score Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90 – 100</td>
<td>A</td>
</tr>
<tr>
<td>80 – 89</td>
<td>B</td>
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<tr>
<td>70 – 79</td>
<td>C</td>
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<td>60 – 69</td>
<td>D</td>
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<tr>
<td>0 – 59</td>
<td>F</td>
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</tbody>
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Attendance Policy: The college attendance policy is available at http://www.bpcc.edu/catalog/current/academicpolicies.html

Course Fees: $45.00

Revised 7/2017
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