

**Bossier Parish Community College
Master Syllabus**

Course Prefix and Number: COMM 236 **Credit Hours:** 3
Course Title: 3D Modeling
Course Prerequisites: COMM 120
Textbook: Murdock, Kelly L. *Autodesk Maya 2020: Basics Guide*.
2020 Edition.

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

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

To achieve the learning outcomes, the student will

(The letter designations at the end of each statement refer to the learning outcome(s).)

- 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:	90 – 100	A
	80 – 89	B
	70 – 79	C
	60 – 69	D
	0 – 59	F

Course Fees: \$70.00

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