Bossier Parish Community College
Master Syllabus

Course Prefix and Number: TEED 172   **Credit Hours:** 3-3-0

Course Title: Building Information Modeling II

Course Prerequisites: TEED 171

Textbook(s): Moss, Elise. <u>Revit Architecture 2016 Basics</u>, 1st edition. SDC Publications, 2015. ISBN: 9781585039821

Course Description: This course is a continuation of TEED 171, Building Information Modeling I. The course is an overview of advanced BIM concepts, advanced BIM editing tools, and using BIM software with other applications to prepare construction documents, to integrate annotations into the model, to use work sets, and to collaborate with design professionals.

Learning Outcomes:
At the end of this course, the student will:
- A. demonstrate mastery in the use of Building Information Modeling (BIM) software;
- B. establish office standards, templates and families;
- C. use advanced modeling techniques;
- D. use conceptual massing;
- E. annotate construction documents;
- F. detail construction documents; and
- G. coordinate changes and worksharing.

To achieve the learning outcomes, the student will or will be able to:
(The letter designations at the end of each statement refer to the learning outcome(s).)
1. successfully generate an office drawing standard; (A)
2. successfully generate a drawing template; (A)
3. successfully generate parametric model families; (A)
4. demonstrate ability to use advanced modeling techniques (part one); (B)
5. demonstrate ability to use advanced modeling techniques (part two); (B)
6. demonstrate ability to use conceptual massing to generate preliminary views; (C)
7. demonstrate ability to convert conceptual mass models to construction documents; (C)
8. demonstrate ability to use National Cad Standard Keynoting to annotate views; (D)
9. demonstrate ability to produce construction detail views from the model; (E)
10. demonstrate the use of change tracking; (F) and
11. demonstrate ability to use worksharing to expedite production. (F)

Course Requirements: Complete assigned problems and projects. Complete chapter tests and final exam.

Course Grading Scale:
 Drawing problems – 75% / Tests and final exam – 25%
 90 – 100 = A
 80 – 89 = B
 70 – 79 = C
 60 – 69 = D
 0 – 59 = F

Attendance Policy: The college attendance policy is available at
http://www.bpcc.edu/catalog/current/academicpolicies.html

Course Fees: This course is accompanied with additional fees for supplemental materials.

Nondiscrimination Statement: Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

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