

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: TEED 161

Credit Hours: 3-3-0

Course Title: Solid Works 3D

Course Prerequisite or co-requisite: TEED 143

Textbook(s): Reyes, Alejandro, Beginners Guide to Solidworks 2020 – Level I, SDC Publications, 2019. ISBN: 978-1-63057-305-8

Course Description: An advanced engineering course dealing with solid modeling. This course covers 3D drafting concepts and coordinate systems. Other topics include viewing, editing, dimensioning, and rendering objects.

Learning Outcomes:

At the end of this course, the student will:

- A. demonstrate competency in three-dimensional computer-aided design problems; and
- B. demonstrate competency in solid-modeling skills.

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. construct 3D objects and layout techniques; (A, B, C)
- 2. construct models using different 3D coordinate systems; (A, B, C) and
- 3. demonstrate editing and display techniques in 3D. (A, B, C)

Course Requirements: Make sketches of assigned objects/problems; Complete assigned drawings; Complete a mid-term and final exam.

Course Grading Scale:

- 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://catalog.bpcc.edu/content.php?catoid=5&navoid=369>

Course Fees: This course is accompanied with an additional fee 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.

COORDINATOR FOR SECTION 504 AND ADA

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