

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: TEED 162

Credit Hours: 3-3-0

Course Title: Inventor

Course Prerequisite: TEED 143

Textbook(s): Shih, Randy. Autodesk Inventor 2016 and Engineering Graphics - An integrated Approach. SDS Publications, 2015. ISBN: 9781585039746

Course Description: An advanced engineering graphics course, dealing with solid modeling, using Inventor software. Emphasis is on creating computer generated 3-D solid models which can be used for rapid prototyping.

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

Course Requirements: Make sketches of assigned objects/problems; Complete assigned drawings; Complete a mid-term and a 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://www.bpcc.edu/catalog/current/academicpolicies.html>

Course Fees: This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, software licenses, certification exams, and/or clinical fees.

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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