

Collin College - Continuing Education

COURSE SYLLABUS

COURSE INFORMATION

Course Number: CADD 6280

Course Title: SolidWorks Essentials

Course Description: Introduction to 3D parametric model design, development and documentation.

Suggested Course Prerequisite(s): Mechanical design experience and familiarity with Windows operating system.

Course Resources:

Textbooks (optional):

SolidWorks Student Guide (free eBook download)

<http://goo.gl/MdwGJ>

SolidWorks 2011 Assemblies Bible

Author: Matt Lombard; Publisher: Wiley ISBN: 978-1118002766

SolidWorks 2011 Parts Bible

Author: Matt Lombard; Publisher: Wiley ISBN: 978-1118002759

Student Learning Outcomes: Demonstrate proficiency creating 2D drawings and performing 3D part modeling using SolidWorks 2020. Classroom computer workstations are running SolidWorks 2020, which is available to students as a free download.

Certification Notes:

Next course recommendations: SolidWorks Advanced, SolidWorks CSWA I (Certified SolidWorks Associate)

Refund Policy: Please refer to www.collin.edu/ce/inforegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.

Course Sessions: Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Lesson Plan – by week or session:

Session 1: Sketching

Session 2: Relations in sketching

Session 3: Extrusions

Session 4: Revolves

Session 5: Cuts

Session 6: Mating

Method of Evaluation: Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.