**COLLIN COLLEGE**

**COURSE SYLLABUS**

Course Information

**Course Number**: DFTG 2373

**Course Title:** Advanced SOLIDWORKS

**Course Description:** Study of advanced topics in SOLIDWORKS mechanical drafting and design. The course teaches how to build assemblies, to create professional drawing, and to use various SOLIDWORKS tools to manage information to facilitate the design process.

**Course Credit Hours:** 3

Lecture Hours: 2

 Lab Hours: 2

**Prerequisite:** DFTG 1372

**Student Learning Outcomes:** Upon successful completion of this course, students will be able to do the following:

1. Assemble parts by using different strategies. (SCANS: F1,F3-5,F8-12,F14,F16,C1,C10-16,C18-20)
2. Create professional drawings and bill of materials (BOM). (SCANS: F1,F3-5,F8-12,F14,F16,C1,C10-16,C18-20)
3. Create and manage configurations. (SCANS: F1,F3-5,F8-12,F14,F16,C1,C10-16,C18-20)
4. Use SOLIDWORKS Design Library to manage reusable items. (SCANS: F1,F3-5,F8-12,F14,F16,C1,C10-16,C18-20)

**Secretary’s Commission on the Acquisition of Necessary Skills (SCANS) -** SCANS skills are a group of foundational skills and workplace competencies that the Secretary’s Commission on the Acquisition of Necessary Skills established as vitally important for workplace success in the 21st century. In Collin’s workforce programs, the SCANS skills are developed and reinforced throughout the curriculum to provide students with an opportunity to hone these skills/competencies in the context of their education. Over the course of an entire degree program, the successful student is expected to demonstrate all of the SCANS skills and competencies as part of their education. The SCANS Foundation Skills and Workplace Competencies are described at: <http://www.collin.edu/academics/programs/Workforce_SCANS_Skills_Syllabi_Code_Key.pdf>

**Withdrawal Policy:** See the current *Collin Registration Guide* for last day to withdraw.

**Collin College Academic Policies:** See the current *Collin Student Handbook.*

**Americans with Disabilities Act Statement:** 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 educational 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.

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