



21Spring Semester

## Solidworks 1

CAD 152.150

**Number of Credits:** 3

**Days Class Meets:** Wednesday

**Meeting Times:** 3 – 4 pm (NOTE: this is an optional meeting)

**Location/Venue:** Online, Self-paced

**Instructor:** Eddie Burkhead

**Contact Phone:** phone

**Contact Email:** BurkheaEdwardL@jccmi.edu

**Online Office Hours:** Thursday, 10 am to 8 pm

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## Course Description

This course introduces students to basic modelling, assembly, and drawing creation in SolidWorks.

## Prerequisite(s)

Insert listing of official prerequisites as found in the college catalog.

## Course Goals

Students will complete projects using SolidWorks that will teach them the fundamentals of creating models, assemblies, and drawings. This will give them insight into how parts and assemblies are designed, engineered, and fabricated.

## Course Objectives

Students will navigate the SolidWorks user interface

Students will model parts according to specification using SolidWorks tools

Students will create assemblies and drawings using SolidWorks

## Textbook (chose appropriate options below, delete what does not apply)

- *Solidworks 2021 Basic Tools*, Paul Tran, ISBN 10: 1630574155
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**X Textbook Zero.** This text is available in a digital format to rent or purchase through the JC Bookstore. Please see the links posted on our class Jet Net site.

**Open Educational Resources (OER)** are strongly encouraged. OERs are teaching, learning, and research materials that are either (a) in the public domain or (b) licensed in a manner that provides everyone with *free permission* to:

- Retain – make, own, and control a copy of the resource
- Reuse – use your original, revised, or remixed copy of the resource publicly
- Revise – edit, adapt, and modify your copy of the resource
- Remix – combine your original or revised copy of the resource with other existing material to create something new
- Redistribute – share copies of your original, revised, or remixed copy of the resource with others

If no textbooks are *required*, students will not have to purchase books for the course.

### Follett Access

- Please [review the cost of your required materials](#) to determine the best option for you to purchase your materials.
- For more information on the Follett ACCESS Program, you can view the [view the frequently asked questions](#).

If after reviewing the costs, if you choose to opt out, you may do so here: [www.jccmi.edu/optout](http://www.jccmi.edu/optout).

Please note your opt out selection is for your *entire* semester schedule. You cannot opt out/opt in to individual courses. And you must opt out by the due date of your first class, which is the 3<sup>rd</sup> day after the start of your earliest course.

If you have questions about materials, please contact the Jackson College Follett bookstore at [jackson@bkstr.com](mailto:jackson@bkstr.com)

For account billing questions, please contact the Jackson College Cashier at [jccashier@jccmi.edu](mailto:jccashier@jccmi.edu)

### Extras

Students will need to download Solidworks by following the instructions in JetNet. They will need a computer which can successfully run Solidworks.

## Grading Procedure

Unit Exercise – 200 points

Projects – 75 points

Take CSWA Exam – 25 points

TOTAL: 300 points

## Grading Scale

GPA	GRADE RANGE
4.0	94-100%
3.5	89-93%
3.0	84-88%
2.5	78-83%
2.0	72-77%
1.5	66-71%
1.0	60-65%
0.5	55-59%
0.0	0-54%

## Failure

Any circumstances under which a student could be dismissed from or failed in the course that is not covered in other college publications. In pass/fail courses, a listing of minimal competencies.

## Academic Honesty Policy

Academic Honesty is defined as ethical behavior that includes student production of their own work and not representing others' work as their own, by cheating or by helping others to do so.

## Plagiarism

Plagiarism is defined as the failure to give credit for the use of material from outside sources. Plagiarism includes but is not limited to:

- Submitting other's work as your own
- Using data, illustrations, pictures, quotations, or paraphrases from other sources without adequate documentation

- Reusing significant, identical or nearly identical portions of one's own prior work without acknowledging that one is doing so or without citing this original work (self-plagiarism)

## **Cheating**

Cheating is defined as obtaining answers/material from an outside source without authorization. Cheating includes, but is not limited to:

- Plagiarizing in any form
- Using notes/books/electronic material without authorization
- Copying
- Submitting others' work as your own or submitting your work for others
- Altering graded work
- Falsifying data
- Exhibiting other behaviors generally considered unethical
- Allowing your work to be submitted by others

## **Accessibility**

Jackson College understands that cultivating a broadly diverse community is crucial to our educational mission and to our foundational commitment to leadership and service. Jackson College is fully committed to ensuring our courses are accessible to everyone including those with disabilities. We are currently working to increase accessibility and usability of our course materials in order to meet or exceed the requirements of Section 508 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1991 and Web Content Accessibility Guidelines (WCAG) 2.0. For more information about Jackson College's efforts to ensure accessibility please visit the [Jackson College accessibility web page](#).

If you have an accessibility need in any of our classes please e-mail the Center for Student Success at [JCCSS@jccmi.edu](mailto:JCCSS@jccmi.edu) or visit the [Center for Student Success web page](#).

At the Center for Student Success (CSS), we are committed to providing all students the opportunity to achieve academic success by providing a variety of support services free of charge to Jackson College students. This includes, but is not limited to, peer and faculty tutoring, mental health referral, temporary assistance with transportation, various workshops/seminars, and the TRIO program.

In addition, the CSS staff is committed to adapting the College's general services to meet the individual needs of otherwise qualified students with disabilities, for the purpose of providing equal access to all programs and facilities.

## Course Management

Incompletes may be given due to extenuating circumstances if student is unable to complete the course after successfully finishing at least 50% of the course time. The instructor must be contacted with the request for it to be granted.

## Makeup Policy

Students may redo projects and exercises for a higher grade

## Help

Students should reach out to their instructor for help. Plenty of other online resources exist, including on YouTube and other free sites.

## Academic Advising

It is important to contact a Center for Student Success professional prior to the start of the semester in order to receive accommodations in a timely manner. While we will make every effort to coordinate accommodations in a timely manner, failure to self-identify prior to the start of the semester may delay notification to instructors and timeliness of acquiring accommodations. Accommodations do not automatically carry over to the next semester. Please e-mail [JCCSS@jccmi.edu](mailto:JCCSS@jccmi.edu) or visit the [Accommodations for Students with Disabilities](#) web page

## Student Responsibilities

Requirements beyond scheduled classes or laboratories, e.g., clinicals, extra credit assignments, TBA sessions, field placement, special project instructions, contract learning conditions, study hours required outside class, unscheduled class meetings, attendance at concerts or other required events.

## Attendance- Participation Policy

### For online sections

Just as in a traditional classroom course, regular class participation and keeping up on the reading and assignments is strongly correlated with survival in college. It is my recommendation that you plan to do your assignments and take your exams BEFORE the last day they are due. If problems occur, there is time to fix them before the deadline.

In compliance with Federal Title IV funding requirements, as well as college initiatives, I will be monitoring student participation on a regular basis and officially reporting student activity throughout the term to assure compliance with college policy and federal regulations. It is imperative that you log in to the course and actively participate within the first couple of days of the term to validate your enrollment in the course. After that, not actively participating in class may result in you being withdrawn from the course. Being withdrawn from a course can have an impact on financial aid, billing, athletic eligibility, and housing status. As a college student you are responsible for how your participation impacts your academic progress; the accountability lies with you.

## Caveat

As this is an online course, it is highly unlikely we will deviate from the schedule below. However, if this must happen, the instructor reserves the right to update this document accordingly. Any changes to grade system and schedule will be communicated to students.

## Calendar

A partial or complete list of dates or class periods for the course. Within the calendar on specific days are: Assignments, readings, homework, exercised, performances, quizzes, topics, subject matter, skills, chapter titles, discussion topics, tests, comprehensive exams, due dates for major papers or performances. Add or remove columns as necessary to suit your course.

*\*Also include a statement that calendar timelines and assignments are an approximation and could be changed.*

WEEK	DATE	TOPIC	HOMEWORK
1	6/7	BASIC MODELING	UNIT 1 EXERCISES
2	6/14	ADVANCED MODELING	UNIT 2 EXERCISES
3	6/21	ASSEMBLIES	UNIT 3 EXERCISES
4	6/28	DRAWINGS	UNIT 4 EXERCISES
5	7/5	PROJECTS	UNIT 5 PROJECTS
6	7/12	EXAM PREP	NONE
7	7/10	CSWA EXAM	CSWA EXAM

## Important Dates:

MONDAY 05/31/2021	MEMORIAL DAY HOLIDAY-NO CLASSES
MONDAY 07/05/2021	INDEPENDENCE DAY HOLIDAY-NO CLASSES
Monday 08/09/2021	End of Spring Semester