Nashville State Community College
School of STEM
CAD Certificate, & ACT, CIT, EETH A.A.S Programs

Spring 2023 Course Syllabus
CADD 1600 – 3-D Design/Modeling SolidWorks

This syllabus sets forth the expectations for course content, work, and grading as well as expectations for student performance and conduct. The syllabus does not constitute a contract between the student and the instructor or the College. The information contained here is subject to change at any time. Students will be notified if any changes are made. Though changes are possible, it is expected that the course will be conducted as described in this syllabus.

Course Information:
Course Title: CADD 1600 – 3-D Design/Modeling SolidWorks
Location:
Credits: 3
Class Hours: 3 class hours, 1 lab hour

Course Description:

A "hands-on" learning experience in the methods and use of 3D design using SolidWorks. The students will learn the methods and practices of designing individual components as well as entire assemblies. Modeling, editing, and presentation practices are integral parts of the learning experience along with real world lessons involving the theory and techniques outlined in this class.
Prerequisite(s): CADD 1200 or Prior drawing Experience

Instructor Information:
Name:
Email:
Office Phone:
Office Location:
Office Hours: As posted on the office door and D2L on the news page.
Instructor Zoom Room link:

Class Session Zoom Link Information (if virtual):

Required Textbook(s) & Other Materials:
Textbook(s): SOLIDWORKS 2022 Basic Tools (or newer)
ISBN: 978-1-63057-464-2
Reference Materials:
Supplies: USB Removable Storage Device (Flash Drive) 4 Gig Minimum size *for Homework,*
Virtual Students MUST HAVE a Windows PC capable of running SolidWorks

Once enrolled, all students should verify that they have the correct textbook and materials information by consulting the D2L/NS Online shell for the course. If you are registered with the Access Center and require an alternate format for the textbook and other course materials, please contact the Access Center at 615-353-3721, 615-353-3741, or accesscenter@nscc.edu.

Outline to be Provided Later.

Spring 2023 Full 14-Week Term Important Dates

Date(s)	Event/Deadline
Jan-18	Beginning Jan 18, Fees Due Day of Registration or Classes Subject to Being Dropped
Jan-17	Regular Classes Begin
Jan-30	Census Date (Last date to withdraw without "W" appearing on transcript"
Mar 6-12	Spring Break (No classes)
Mar-24	Last Day to Withdraw and Receive "W"
Mar-24	Last Day to Earn "F" for Attendance ("FA")
Mar-24	Fall 2021 "I" Grades (Incompletes) Change to "F"
Mar-24	Deadline for Filing Summer 2022 Graduation Intent
Apr 7-9	Administrative Closing (College closed)
Apr-29	Last Day of Classes
May 1-6	Final Exam Period
May-6	Weekend Class Finals
May 4	ALL ASSIGNMENTS DUE BY MAY 4th
Complete Calendar available at https://www.nscc.edu/academics/academic-calendar	

Digital Course Materials (DCM):
To ensure the lowest cost for students, this course includes a materials fee. This means that some or all of the required textbooks and materials for this course are available through your *NS Online* course shell. When you register for this course, the charge will appear on your account. If you decide you do not want to purchase the course materials embedded in *NS Online*, you can opt out of the program until the end of the second week of classes. If you opt out, you will be responsible for obtaining the required course materials on your own. For more information, please visit www.nscc.edu/dcm.

Course Outcomes:
Upon successful completion of this course, students should be able to:
1. Know and understand the difference between a geometry-based CAD program and a parametric-based CAD program.
2. Understand SolidWorks user interface and how to use it.
3. Construct solid models of objects using SolidWorks commands
4. Create Assemblies using SolidWorks part files
5. Do editing and design changes on existing part models.

Course Competencies:
The following are detailed course competencies intended to support the course outcomes:
1. A basic level of computer literacy of the Windows environment is expected. The student should know how to open files, save files and follow a path to a file either on a hard disk or on a removable storage device.

The following are general education competencies intended to support the course outcomes:

2. CAD basics which are covered in CAD 1200, Computer-Aided Drafting I, or a prior understanding of Drafting/Drawing concepts are needed for this course.

Topics to Be Covered:
1. Mastery of Interface and command usage
2. Mastery and practice of SolidWorks Commands
3. Intermediate & Advanced techniques on how to use the commands most effectively
4. Obtain a working knowledge of SolidWorks to the point of being employable

Course Assessments:
The following performance assessments will be used to demonstrate students' understanding, knowledge, and skills:
1. Students will be assessed on their ability to perform "hands on" drawing exercises evaluated on accuracy, clarity, and techniques learned in this course.
2. Students will be assessed on their retention of learned materials through written or "hands on" drawings for testing.

Grading Scale:

3-4 Tests	20%
Homework	30%
Lab	19%
Final Exam	31%
Total	100%

Grading Policy:

If you cannot take a test when scheduled, you must notify the instructor and make arrangements to take the test prior to the scheduled date. Homework not turned in on time is subject to a 25% grade reduction. Homework will not be accepted if more than one week late or after an assignment has been returned to the class, whichever comes sooner. Homework should reflect your understanding of the subject, not that of your classmates. There will be no makeup on missed labs. Make every effort to attend every lab.

Late Work Policy & Make-up Procedures for Missed Assignments and Work:
Assignments must be turned in by the last week of classes. If turned in in a timely manner students will be allowed to correct the problems and resubmit for a better grade.

Attendance Policy

Students who have been exposed to COVID-19 or who have tested positive must email virusinfo@nscc.edu.

The College is not an attendance taking institution as defined by 34 CFR 668.22(b)(1) in the Code of Federal Regulations; however, students are expected to attend all scheduled classes and laboratories.

- Absences in a course may affect a student's final grade.
- Tardiness may also affect a student's final grade.
- Students are responsible for all work/tests that occur during any missed class session(s) regardless of reason(s) for absence.
- Students who are sick or not well enough to attend class must notify the instructor as soon as possible before the scheduled class time, unless incapacitated or unable to do so. In that case, students must contact the instructor as soon as reasonably possible.
- If a student has an unavoidable conflict with a scheduled class session, students must notify the instructor, preferably before the class session, or as soon as possible.

For purposes of financial aid continued attendance is determined via engagement in the course. This can be accomplished in several ways including, but not limited to, continued attendance and/or participation in on-ground class sessions, participating in D2L as prompted (e.g., responding to an instructor's email, posting to a discussion board), and/or completing and submitting assignments.)

To the extent that attendance is kept in this class it is not for the purpose of the College but is instead associated with the instructor's individual grading rubric. The attendance policy for this class is: *(add attendance policy).*

Grading Scale:

Letter Grade	Percentage Range
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	59% or Less

FA

According to NSCC policy, an FA is awarded to students who do not officially withdraw from a course and do not attend after the cut-off date provided in the academic calendar. Please refer to the current academic calendar available on the Nashville State web site, looking for the date that indicates it is the "Last Day to Earn F for Attendance (FA)." Students who stop attending on or before this date receive an FA; students who stop attending after this date receive an F.

For online courses, attendance is defined by submission of assignments. Students who fail a course and whose last assignment is submitted on or before the FA date will earn an FA for the course. Students who fail a course and whose last assignment is submitted after the FA date will earn an F for the course. An FN is assigned to students who do not submit any assignments.

(While the above information should appear in all syllabi, faculty are encouraged to make additional statements that would clarify the policy for students and provide the applicable FA date for their section.)

FN

An FN is awarded to students who never attended class.

Technology Statement
- All classes at the College are web enhanced.
- It will be essential for students to have access to a computer and an internet connection to complete assignments, engage in online discussions, and access various course materials through D2L/NS Online course shells.
- Students may also be required to use free video conferencing platforms (ex: Zoom, Teams) for classes and meetings.
- Students will be responsible for appropriate dress while on video, to ensure a distraction free environment (mute sound as needed) and to ensure their background is neutral for others to view.
- If you have questions or concerns regarding access to a computer or internet resources, please contact your instructor. Additional information available: https://www.nscc.edu/current-students/student-online-resources/access-to-internet-and-technology.
- Certain publisher materials may not work on cellphones.

Computer Labs

Computers are available for student use at each campus during campus open hours. Open computer lab availability for Spring 2021 may vary from campus to campus.

Students should check NSCC website for current hours of operation.

D2L/NS Online and myNSCC

It is students' responsibility to check D2L/NS Online course shells for all enrolled courses and myNSCC, including student email, on a regular basis. These are the official communication channels between the college and students, who are responsible for the information communicated through those channels. D2L/NS Online contains specific course information and myNSCC contains information important for other purposes.

ADA Compliance Statement

Nashville State complies with the Americans with Disabilities Act (ADA). Nashville State complies with the Americans with Disabilities Act (ADA) and so provides accommodations for students with a documented physical, emotional, and/or learning condition. If you require accommodations for any courses in which you are enrolled, contact the Access Center at 615.353.3741 or 615.353.3721, or e-mail accesscenter@nscc.edu. If you are registered with the Access Center and require an alternate format for the textbook and other course materials, please contact the Access Center.

Classroom Misconduct

Nashville State Community College has a zero-tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary measures. Please review the Nashville State Student Code of Conduct policy. Please be aware that children are not allowed in class or to be left unattended on campus.

Academic Misconduct

Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. Students are responsible for understanding and abiding by the Academic Misconduct Policy in the Nashville State Student Code of Conduct. In addition to other possible disciplinary measures that may be applied through regular college procedures as a result of academic dishonesty, the instructor has the authority to assign an "F" or a "zero" for the exercise, paper, or examination, or to assign an "F" for the course. Students may appeal through the appropriate college grade appeal procedures.

Academic Early Alert System

Nashville State Community College uses an Early Alert System to let students know of a faculty member's concern in one or more of these academic areas: lack of attendance, lack of classroom participation, late or missing assignments, and/or poor performance on assignments/tests. *Please note that Early Alerts do not affect a student's academic standing. If you receive an Early Alert email, please see your instructor and your academic advisor as soon as possible.

RAVE Emergency Alert System

Emergency events can happen at any time, and Nashville State Community College wants to notify students if and when they occur. For this reason, all students have been enrolled in the free RAVE alert system. If you have not already done so, please log in at https://www.getrave.com/login/nscc to confirm and update your contact information and notification preferences. It is critical that your information be correct so that you will receive any emergency notifications. Your RAVE Username is your NSCC email address. If you've never received an email from RAVE with your password, or if you need to reset your password, select "Forgot your password?" and a new password will be emailed to you. Should the RAVE system indicate "user not found", select Register and create your own RAVE account.

Student Wellness

- The general well-being of students is an important component of their academic success. With this in mind, Nashville State Community College has several resources available to provide support when needed:
    - Tutoring options and appointments: https://www.nscc.edu/current-students/on-campus-resources/learning-center-and-tutoring
    - Academic and student resources for school:https://www.nscc.edu/current-students/student-online-resources
    - Support services: https://www.nscc.edu/current-students/on-campus-resources/student-support-services

Equity Statement

Nashville State Community College has a relentless commitment to the transformation of our institution through the intentional design of college experiences that expect and promote excellence from students, faculty, staff and administration. We consider equity to be an obligation of higher education.

We strive to ensure that each student receives what that student needs to be successful, with goals of success beyond the classroom. We do this through an evidence-based and collaborative effort, understanding that our student population has diverse needs that must be addressed. We recognize that this effort may not always be comfortable and that partnering with students is the driving force to overcome barriers to success.

Inclement Weather & Campus Closings

Nashville State will use the RAVE alert system to send a text message to students, staff, and faculty about adjusted hours of operation and/or closings at individual campuses. All students should check the Nashville State web site home page at www.nscc.edu for announcements on campus closures, which may vary from campus to campus. Campus closures will also be announced on local television stations. Students should use their own best judgment in determining whether to report to campus during inclement weather when classes are not cancelled.

Even when campuses are closed, students are still responsible for completing all assigned work. When classes are cancelled, faculty will post online assignments and any additional instructions in the D2L/NS Online course shell. Check D2L/NS Online for a message from your instructor regarding your online assignment requirements. Faculty have discretion over adjusting deadlines or due date for assignments, but students are responsible for completing all assigned work by the due date established by the instructor**.**

Class Cancellation Policy

If the class is cancelled, the instructor will notify all students by posting in the D2L/NS Online course, e-mailing through D2L/NS Online, and/or by posting a sign on the classroom door. In the event of class cancellation, students must access D2L/NS Online to complete classwork and the assignment that will be posted in the course D2L site.