



ONLINE COURSE INFORMATION

Fall 2021 Semester

COURSE: MDTC 236 L1

INSTRUCTOR: D. Kerste

Rapid Prototyping

EMAIL: dkerste@monroecc.edu

There are many benefits of online courses at MCCC:

- Less restrictive scheduling
- Convenience
- Intensive self-study
- Course materials are accessible 24 hours a day 7 days a week

Some students struggle in an online format while other students excel. Students who excel in an online format are:

- Highly self-motivated
- Have strong computer skills
- Possess good time management skills
- Know how to study independently
- Possess good communication skills

Online classes at MCCC are **NOT self-paced**. Instruction is delivered in an entirely web-based format. Students must complete exams, assignments, etc. by specified due dates. Some exams and assignments may be required to be completed at an authorized location as established by the instructor.

When taking an online class students are responsible for:

- A reliable computer with Internet access and Microsoft Word; course specific software will be described below
- Knowing how to email attachments
- Maintaining his or her own computer and Internet connection; technical issues are NOT acceptable excuses for not keeping up with due dates
- Having access to a printer if needed for personal use of online materials

It is the student's responsibility to log into Brightspace multiple times each week to keep up with communication, assignments and other coursework.

Brightspace

Online courses use Brightspace course management system as the means of communication between the students and the instructor.

It is the student's responsibility to be able to log into Brightspace and maintain his or her computer setup to work properly with Brightspace.

The Brightspace Login can be found on the College's webpage, www.monroecc.edu.

Brightspace courses are made available to students on the day the course begins.

Please see the Start Date below.

MCCC Student Email

It is essential that online students use their MCCC student email account. This will be the primary means of email communication between you and your instructor. For more information about activating your MCCC student email account, visit the college's webpage at www.monroecc.edu.

NEED HELP?

BRIGHTSPACE HELP DESK: 734.384.4328
or elarning@monroecc.edu

COLLEGE EMAIL: 734-384-4328

WEBPAL: 734-384-4333

<p>COURSE DESCRIPTION</p>	<p>In this course, students will learn about the evolution of digital fabrication with a full overview of the design industry and related technologies. Each hands-on, project-based learning (PBL) exercise will allow students to design and fabricate 3D objects using computer-aided design (CAD) software and 3D printers. They will experience the design process and become familiar with the advantages and limitations of each 3D printing technology in terms of precision, resolution, and material capabilities. Students will analyze real industry cases, and apply 3D printing technology appropriately while gaining hands-on experience with leading 3D printing technologies employed in design today.</p> <p>The complete Outline of Instruction can be found at http://www.monroeccc.edu/outlines/.</p>
<p>COURSE BEGINS</p>	<p>Wednesday, August 25, 2021</p>
<p>COURSE ENDS</p>	<p>Monday, December 13, 2021</p>
<p>REGISTRATION PROCESS</p>	<p>Students must register for the course through the College’s regular registration process.</p> <p>If you are a first-time online student at MCCC you must complete an online orientation course (ONL-001). You will be automatically enrolled into the online orientation course, which will provide you with critical information on the technical, study, reading and writing skills necessary to be a successful online student. This course will be listed in your MyCourses module in Brightspace and there will be 4 modules to complete. Please note that all four modules will NOT be visible when you first login, but will become visible once you complete the requirements for each module. Please complete FL2021-ONL-001-L1 by August 21, 2021. Failure to complete the online orientation by the above date may result in <u>de-registration from your Fall 2021 online course</u>.</p>
<p>PROCTORED EXAMS OR ASSIGNMENTS</p>	<p>None, all coursework is completed online.</p>
<p>ADDITIONAL INFORMATION: PROCTORED EXAMS OR ASSIGNMENTS</p>	<p>Some online classes require students to take exams at authorized, proctored locations. Test proctoring centers are authorized testing locations where a staff person administers a test or assignment. If students are not able to arrange transportation to MCCC’s main campus for testing, a proctored test site must be arranged. Students near the MCCC campus can take the test in the Testing Center. Additional information on the Testing Center can be found at https://www.monroeccc.edu/testing. It is the student’s responsibility to make arrangements for proctoring with his or her instructor. Students should also be aware that some testing sites have service fees, which are the responsibility of the student.</p>

COURSE MATERIALS AND TEXTBOOK INFORMATION

Textbook information can be found on the MCCC Bookstore's webpage, <http://www.monroecc.edu/bookstore/>. Textbook information is posted approximately one month prior to the beginning of the semester. **IMPORTANT:** Please ensure you are validating the entire course name and number when searching for and selecting books to purchase on the Bookstore website. Required texts for classes can vary depending on instructors or if the classes are being held online.

Please contact the MCCC Bookstore for additional information, 734.384.4140.

COURSE EXPECTATIONS

1. Be self-starters - have the motivation to work independently.
2. Use time wisely, be organized, be self-directed, and be willing to use new modes of communication and learning.
3. Be willing to put in the needed time, read the text carefully, and actively participate in online class activities.
4. Check communication frequently, get all assignments in on time, and discuss any concerns and questions with the instructor.
5. Have regular access to a computer that meets minimum requirements.
6. Have basic computer skills and be able to navigate the Internet.

BRIGHTSPACE SYSTEM REQUIREMENTS

Browser Requirements:

Desktop Support

Browser	Supported Browser Version(s)	Maintenance Browser Version(s)
Microsoft® Edge	Latest	N/A
Mozilla® Firefox®	Latest, ESR	N/A
Google® Chrome™	Latest	N/A
Apple® Safari®	Latest	N/A

For the most current Brightspace operating system and browser requirements, please go to https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm?Highlight=browser and access the Desktop support section.

Software Requirements

- Download/access web-based Microsoft Office applications:
1. Go to www.monroecc.edu and click CURRENT STUDENTS
 2. Next click on EMAIL from the list of links on the left, it will open another window
 3. Click EMAIL LOGIN, then log in with your entire MCCC email address (e.g., tperson23456@my.monroecc.edu) and your email password, which initially is your seven-digit student ID#.

	<ol style="list-style-type: none"> 4. Click on the 9-dot square in the upper left corner next to the word "Outlook", some Office Suite icons appear 5. Click on the Office 365 with an arrow link, more Office Suite icons appear 6. Finally, click on the Install Office link and follow the instructions <i>*NOTE there are links in the instructions if you have difficulties installing the software. Please use those links to resolve any possible installation issues.</i> <p>FYI - You will not be able to download Microsoft Office until the first day of the semester.</p> <p>Other System Recommendations</p> <ul style="list-style-type: none"> • Broadband internet connection • Webcam
COMPUTER REQUIREMENTS	<p>PC or Mac computer systems with Windows 10 (or Mac equivalent OS) is required.</p> <p>Chromebook Use Limitations: Chromebooks cannot be used for courses requiring Microsoft Office applications (e.g., CIS 130, CIS 109, etc.). Additionally, Chromebooks may not work with when taking quizzes requiring <i>Respondus Lockdown browser in Brightspace</i>.</p> <p>Mac Computer Use Limitations: The Microsoft Access application does not work on a Mac.</p>
COURSE SPECIFIC SOFTWARE	<p>SOLIDWORKS 2021 Student Edition. Download instructions for free SOLIDWORKS software will be sent to all enrolled students a few days prior to the start of the semester.</p>
WHERE DO STUDENTS START	<p>Email will be sent to all enrolled students with specific directions a few days prior to the start of the semester.</p>
OTHER INFORMATION	<p>Students are required to have a subscription to SolidProfessor which can be obtained at the college bookstore or online at https://www.solidprofessor.com/student-store/school</p> <p>Dropbox access is also required. To create a free account go to www.dropbox.com/login Please be sure to create the account using your college email.</p>
STUDENT LOGIN INFORMATION	<p>To login to Brightspace, E-mail, or WebPal, go to www.monroecc.edu and click on CURRENT STUDENTS on the menu bar, then click on Brightspace, email, or WebPal from the links that appear on the left side of the screen.</p> <p>Brightspace - Login to Brightspace using your unique MCCC Webpal username (i.e., the first part of your MCCC email address) and 7-digit student ID number for your password (or whatever password you use for your MCCC college email account). You should be able to access Brightspace 24 hours after registering for a course. Courses are not available in Brightspace until the first day of the semester.</p> <p>E-mail - Your email address is your MyWebPal user name followed by @my.monroecc.edu (i.e. jsmith12345@my.monroecc.edu). Your password is your seven-digit student ID number (including leading zeros).</p> <p>WebPal - You need a WebPAL user ID and a password to access WebPAL. Your WebPAL user ID is usually your first initial and last name (i.e. Mary</p>

Smith = msmith). To find your user ID, click on **"What's My User ID?"** on the WebPAL home page. Your initial password is your six-digit birthdate (i.e. January 1, 1970 = 010170). After logging on the first time, WebPAL will ask you to change your password. If you are a returning student and can't remember your password, click on **"What's My Password?"** on the WebPAL home page, then choose **"Reset my password."** If you have an e-mail address on file, WebPAL will send you a new password.

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