



DFTG 1430 201 HY
Civil Drafting I
Fall 2022
Wednesday 6:00-8:50pm Lab
A minimum of 3 hours online per week

Instructor Information:

Name: Andrew Gregory

Email: Aggregory2@com.edu

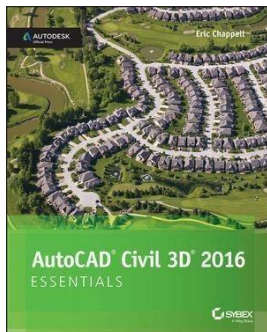
Phone: 409 933 8161

Office Hours and Location: M, T, W, Th 3:00- 4:55 pm

Student hours and location:

My office hours are Tuesday, Wednesday, 2:00 to 5:00 pm. TVB 1304 And Friday 12:00-1:30 pm. Online TEAMS.

Required Textbook:



AutoCAD Civil 3D 2016 Essentials:
Autodesk Official Press
Eric Chappell
ISBN: 978-1-119-05959-2

Course Description:

A course in civil drafting procedures, practices, governing codes, terms and symbols including the preparation and reading of detailed working construction drawings using AutoCAD Civil3D.

Course requirements:

Chapter 3 Exercises – Will evaluate your ability to interpret field notes and also evaluate the core objective of Critical Thinking.

The Essentials and Beyond in each chapter – Will evaluate your ability to develop documents for a civil project and also evaluate the core objective of Communication – Visual.

Chapter 14 Drawing Problems – Will evaluate your ability to Analyze and layout drainage and utilities infrastructure; perform related calculations, in addition it will evaluate the core objective of Quantitative Skills.

Chapter 17 Discussion Forum – Will evaluate Analyze the planning of a drawing project and debrief on its outcome, in addition it will also evaluate the core objective of Personal Responsibility.

Throughout the semester assignments will assess the course outcomes. You will not notice anything different about these exercises. Their assessment is a method for the instructor to evaluate the success of the instruction and teaching methods. Below is a list of the assignments and their associated outcomes.

Grading Formula

Students will be graded on "points-earned" criteria. A grade of C or above is considered acceptable.

| Assessments | Points Each | Total Point Value |
|--------------------------------|--------------------|--------------------------|
| Lab Attendance | 5 | 75 |
| Discussion Forum | 10 | 150 |
| Drawing Problems (per chapter) | 65 | 975 |
| Chapter Quizzes | 20 | 300 |
| Course Evaluation | 50 | 50 |
| Local Project | 100 | 100 |
| TOTAL | | 1,650 |

*Individual Assignments due dates and criteria are listed on the schedule

Grading Scale

1485-1650 points = A 1320-1484 points = B

1155-1319 points = C 990-1154 point = D

Below 989 = F

Late Work, Make-Up, and Extra Credit Policy:

Late work will be penalized 20%. If there is a documented medical or family emergency, please see me to discuss a work plan to get you caught up.

You may complete late work up to the Sunday of the last week of the semester.

Only assignments or quizzes designated by the instructor will award extra credit.

Attendance Policy:

Attendance is required at the lab sessions. In addition, you are required to log in to 'D2L' a minimum of once per week.

Communicating with your instructor:

ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. (Faculty may add additional statement requiring monitoring and communication expectations via Blackboard or other LMS)

To communicate about your degree plan or certificate, more global questions please use my COM email.

I would like you to provide your personal email, so I may enter it in the course email distribution list.

I do receive my college email on my phone.

Typically, emails are answered within a day or less.

Course assignments are graded within a week. I would like to have all the previous week assignments graded by Lab Time.

| Student Learner Outcome | Maps to Core Objective | Assessed via this Assignment |
|---|-------------------------|---|
| 1. Interpret field notes | Critical Thinking | Chapter 3 Exercises |
| 2. Develop documents for a civil project | Communication-Visual | Essentials and Beyond Chapter 1-14 and 17 |
| 3. Analyze and layout drainage and utilities infrastructure; perform related calculations | Quantitative | Chapter 14 Exercises |
| 4. Analyze the planning of a drawing project and debrief on its outcome. | Personal Responsibility | Discussion Forum week 16 |

Academic Dishonesty:

Any incident of academic dishonesty will be dealt with in accordance with college policy and the Student Handbook. Academic dishonesty – such as cheating on exams is an extremely serious offense and will result in a grade of zero on that exam and the student will be referred to the Office of Student Conduct for the appropriate disciplinary action.

Student Concerns:

If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern

with me, you continue to have questions, please contact Professor Sheena Abernathy, Chair Science and Engineering Department at sabernathy@com.edu or 933-8330.

Course Outline Schedule:

| | Due | Points | BB/Lab* |
|---|------|--------|---------|
| Week 1 | 8/24 | | |
| Chapter 1 Navigating the AutoCAD Civil 3D User Interface | | | |
| Attendance | 8/24 | 5 | Lab |
| Exercises | 8/30 | 35 | Lab |
| Essentials and Beyond | 8/30 | 30 | BB |
| Quiz | 8/30 | 20 | BB |
| Discussion | 8/30 | 10 | BB |
| Week Total | | 100 | |
| Week 2 | 8/31 | | |
| Chapter 2 Leveraging a Dynamic Environment | | | |
| Attendance | 8/31 | 5 | Lab |
| Exercises | 9/6 | 35 | Lab |
| Essentials and Beyond | 9/6 | 30 | BB |
| Quiz | 9/6 | 20 | BB |
| Discussion | 9/6 | 10 | BB |
| Week Total | | 100 | |
| Week 3 | 9/7 | | |
| Chapter 3 Establishing Existing Conditions Using Survey Data | | | |
| Attendance | 9/7 | - | Lab |
| Exercises | 9/13 | 35 | Lab |
| Essentials and Beyond | 9/13 | 30 | BB |
| Quiz | 9/13 | 20 | BB |

| | | | |
|------------|------|----|----|
| Discussion | 9/13 | 10 | BB |
| Week Total | | 95 | |

| | | | |
|--|------|----|-----|
| Week 4 | 9/14 | | |
| Chapter 4 Modeling the Existing Terrain Using Surfaces | | | |
| Attendance | 9/14 | 5 | Lab |
| Exercises | 9/20 | 35 | Lab |
| Essentials and Beyond | 9/20 | 30 | BB |
| Quiz | 9/20 | 20 | BB |
| Discussion | 9/20 | 10 | BB |

| | | | |
|--|------|-----|-----|
| Week Total | | 100 | |
| | | | |
| Week 4 | 9/14 | | |
| Chapter 5 Designing in 2D Using Alignments | | | |
| Attendance | 9/14 | 5 | Lab |
| Exercises | 9/20 | 35 | Lab |
| Essentials and Beyond | 9/20 | 30 | BB |
| Quiz | 9/20 | 20 | BB |
| Discussion | 9/20 | 10 | BB |
| Week Total | | 100 | |
| | | | |
| Week 5 | 9/21 | | |
| Chapter 6 Displaying and Annotating Alignments | | | |
| Attendance | 9/21 | 5 | Lab |
| Exercises | 9/27 | 35 | Lab |
| Essentials and Beyond | 9/27 | 30 | BB |

| | | | |
|---|-------|-----|-----|
| Quiz | 9/27 | 20 | BB |
| Discussion | 9/27 | 10 | BB |
| Week Total | | 100 | |
| | | | |
| Week 6 | 9/28 | | |
| Chapter 7 Designing Vertically Using Profiles | | | |
| Attendance | 9/28 | 5 | Lab |
| Exercises | 10/4 | 35 | Lab |
| Essentials and Beyond | 10/4 | 30 | BB |
| Quiz | 10/4 | 20 | BB |
| Discussion | 10/4 | 10 | BB |
| Week Total | | 100 | |
| | | | |
| Week 6 | 10/5 | | |
| Chapter 8 Displaying and Annotating Profiles | | | |
| Attendance | 10/5 | - | Lab |
| Exercises | 10/11 | 35 | Lab |
| Essentials and Beyond | 10/11 | 30 | BB |
| Quiz | 10/11 | 20 | BB |
| Discussion | 10/11 | 10 | BB |
| Week Total | | 95 | |
| | | | |
| Week 7 | 10/12 | | |
| Chapter 9 Designing in 3D Using Corridors | | | |
| Attendance | 10/12 | 5 | Lab |

| | | | |
|-----------------------|-------|-----|-----|
| Exercises | 10/18 | 35 | Lab |
| Essentials and Beyond | 10/18 | 30 | BB |
| Quiz | 10/18 | 20 | BB |
| Discussion | 10/18 | 10 | BB |
| Week Total | | 100 | |

| | | | |
|---|-------|-----|-----|
| | | | |
| Week 8 | 10/12 | | |
| Chapter 10 Creating Cross Sections of the Design | | | |
| Attendance | 10/12 | 5 | Lab |
| Exercises | 10/18 | 35 | Lab |
| Essentials and Beyond | 10/18 | 30 | BB |
| Quiz | 10/18 | 20 | BB |
| Discussion | 10/18 | 10 | BB |
| Week Total | | 100 | |
| | | | |
| Week 9 | 10/19 | | |
| Chapter 11 Displaying and Annotating Sections | | | |
| Attendance | 10/19 | 5 | Lab |
| Exercises | 10/25 | 35 | Lab |
| Essentials and Beyond | 10/25 | 30 | BB |
| Quiz | 10/25 | 20 | BB |
| Discussion | 10/25 | 10 | BB |
| Week Total | | 100 | |
| | | | |
| Week 10 | 10/26 | | |
| Chapter 12 Designing and Analyzing Boundaries Using Parcels | | | |
| Attendance | 10/26 | 5 | Lab |
| Exercises | 11/1 | 35 | Lab |
| Essentials and Beyond | 11/1 | 30 | BB |
| Quiz | 11/1 | 20 | BB |
| Discussion | 11/1 | 10 | BB |
| Week Total | | 100 | |
| | | | |

| | | | |
|--|--------|-----|-----|
| Week 11 | 11/2 | | |
| Chapter 13 Displaying and Annotating Parcels | | | |
| Attendance | 11/2 | 5 | Lab |
| Exercises | 11/8 | 35 | Lab |
| Essentials and Beyond | 11/8 | 30 | BB |
| Quiz | 11/8 | 20 | BB |
| Discussion | 11/8 | 10 | BB |
| Week Total | | 100 | |
| | | | |
| Week 12 | 11/9 | | |
| Chapter 14 Designing Gravity Pipe Networks | | | |
| Attendance | 11/9 | 5 | Lab |
| Exercises | 11/15 | 35 | Lab |
| Essentials and Beyond | 11/15 | 30 | BB |
| Quiz | 11/15 | 20 | BB |
| Discussion | 11/15 | 10 | BB |
| Week Total | | 100 | |
| | | | |
| Week 13 | 11/16 | | |
| Chapter 17 Designing New Terrain | | | |
| Attendance | 11/16 | 5 | Lab |
| Exercises | 11/22 | 35 | Lab |
| Essentials and Beyond | 11/22 | 30 | BB |
| Quiz | 11/22 | 20 | BB |
| Discussion | 11/22 | 10 | BB |
| Week Total | | 100 | |
| | | | |
| Week 14 | 11/23 | | |
| Attendance | 11/23 | 5 | Lab |
| Local Project | 11/293 | 95 | BB |
| Week Total | | 100 | |
| | | | |
| Week 15 | 11/30 | | |
| Attendance | 11/30 | 5 | Lab |
| Local Project | 12/6 | 95 | BB |
| Week Total | | 100 | |
| | | | |

| | | | |
|-----------------------------------|----------|------|----|
| Week 16 | | | |
| Course Evaluation | Due 12/4 | 50 | BB |
| Semester wrap up – print drawings | 12/7 | | |
| Total | | 1650 | |
| | | | |

Reading, Discussion Forums and Quizzes should be completed online. We will work on the chapter problems during the in-person lab session.

Institutional Policies and Guidelines

Grade Appeal Process:

Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook. <https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf>. *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.*

https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf

Academic Success & Support Services:

College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement:

Any student with a documented disability needing academic accommodations is requested to contact Michelle Brezina at 409-933-8124 or mvaldes1@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Textbook Purchasing Statement:

A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy:

Students may withdraw from this course for any reason prior to the last eligible day for a “W” grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 8-week session is October 5. The last date to withdraw from the 16-week session is November 18. The last date to withdraw for the 2nd 8-week session is December 1. **It is the responsibility of the student to withdraw from the course officially by contacting Admissions and completing the necessary paperwork.

F_N Grading:

The F_N grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The F_N grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the F_N grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an F_N grade.

Early Alert Program:

The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Resources to Help with Stress:

If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here <https://www.com.edu/community-resource-center/>. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.

Success Tips for Students, Course Delivery & Expectations:

Course Communication:

To communicate about this course please use the course email.

Course Delivery & Expectations:

The course content is delivered via the online portion of the course through reading, watching demonstrations on a screencast and you completing the Essentials and Beyond drawing problem. A short five question quiz is also given on each chapter. This is to ensure that you read the text.

You will need to log in each week. The reading, watching the demos, and completing the Essentials and Beyond problem will probably take between 4 and 8 hours outside of the lab time.

The lab is intended to address your questions on the current chapter does not present it in its entirety. Therefore, you should have completed the reading, reviewed the supplemental material before the weekly Lab. The drawing problems, discussion forum, and quiz are due the Sunday prior to our Lab Meeting at 10:00pm
All drawing problems should be attached to the course assignment in the online course. The files should be in their native format, meaning, if it is an AutoCAD drawing submit the AutoCAD file.

Course Prerequisite:

DFTG 1305 and DFTG 1409 **With a grade of 'C' or better.**

Technology Prerequisite:

You must complete the free [Online Learners workshop](#) Before you will gain access to this course online via Blackboard.

Course Format:

The structure of this hybrid course is the topics are introduced in lab and the exercises are completed in the collective setting. Online you continue practicing and mastering the skills and concepts for the week by completing the Essentials and Beyond. This exercise combines all the commands and concepts presented in chapter exercises. There is a video showing step by step how to complete the Essentials and Beyond. In addition, you complete a quiz and discussion forum online. Both the online and Lab parts of the class are essential. At the Lab session we will open with a discussion of issues or problems the group encountered in the previous week, provide more face-to-face demonstrations, and review your work one on one at your computer.

Technology Outage Policy:

It is your responsibility to complete the coursework in a timely manner. THE ONLY EXTENSION OF DUE DATES related to technology outage is an outage of College of the Mainland's systems such as Blackboard or the internet connect to the College. If your computer or internet provider is experiencing a technological outage, other options include completing the work at the College or at another location that has WIFI.