

CASPER COLLEGE COURSE SYLLABUS
ENTK 2550 Civil Drafting I Sec. 01

Semester/Year: Fall 2015

Lecture Hours: 2

Lab Hours: 4

Credit Hours: 4

Class Time:
12:30-3:15PM

Days: MW

Room: GW 212

Instructor's Name: Jason Eggemeyer

Instructor's Contact Information: Email and text messages is the most efficient method of contacting me.

Office Phone: 268-2409
Cell Phone: 258-3216

Email:
jeggemeyer@caspercollege.edu

Office Hours:

MW 8:25AM-9:00PM, 11:50PM-12:30PM
TTH 8:25AM-9:00PM, 11:50PM-12:30PM

Course Description: Civil Drafting/ Land Development introduces principles and techniques of civil drafting using Autodesk's Land Development Desktop to create Engineering Maps. This course includes an overview of mapping, surveying and earthwork.

Statement of Prerequisites: ENTK 1510 Drafting I, or permission of instructor

Goal: For each student to be competent in creating, manipulating and using AEC Points and Surfaces, Engineering Maps and Land Development Desktop.

Outcomes:

- Generate Land Survey drawings using surveyor coordinates and field notes
- Generate working drawings and have basic knowledge and understanding of site/drainage principles
- Understand and demonstrate use of Plan and Profile
- Understand and recognize typical computer graphics and terminology used to generate civil engineering drawings
- Calculate and convert Azimuths and bearings
- Understand and demonstrate use of legal descriptions

Course Objectives: Each student will compile a portfolio of drawings that demonstrates their abilities within the field of drafting for civil engineering.

Methodology: Students will be given daily lectures, demonstrations, videos, and PowerPoint presentations focusing on the topic at hand, to be followed by an appropriate lab assignment on the computer. Most assignments will require time outside of class to complete. To facilitate working outside of regular class hours, open CAD lab hours will be announced at the beginning of each semester and offered on a Monday through Friday basis.

Evaluation Criteria: Final grades will be based upon class assignments, tests, and participation

according to the following percentages:

- 30% Drawings from chapters (printed and/or electronic format)
- 20% Review questions and quizzes
- 40% Tests
- 10% Portfolio

90-100 = A

80-89 = B

70-79 = C

60-69 = D

0-59 = F

Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

Required Text, Readings, and Materials:

Text: AutoCAD Civil 3D 2015 Fundamentals, by Ascent, SDC Publications

Equipment and Supplies Needed Per Student:

- Engineer Scale
- USB storage drive (1gig or bigger)

Class Policies: Last Date to Change to Audit Status or to Withdraw with a W Grade:

Attendance is required for success in this class. In the case of any absence (excused or unexcused), the student is still responsible for all due dates and deadlines for projects. 10% per day will be deducted from all late work. No makeup will be given on Tests and daily quizzes unless special arrangements have been made. The last date to withdraw is November 13.

Student Rights and Responsibilities: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, and lastly the Vice President for Academic Affairs.

Academic Dishonesty: (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly. This is also, where you will find course evaluation links during course evaluation periods.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu.

The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

Schedule indicating course content:

WEEK	Ch.	SUBJECT
1	1	The Civil 3D Interface
2	2	Project Management
3	3	Parcels
4		Legal Descriptions / Plot Plans
	Test 1	
5		Mapping Scales / Graphic Scales
6	4	Survey
7		Location and Direction
8	Test 2	
9		Scanning and Digitizing Topographic Maps
10	5	Surfaces
11	6	Alignments
12	7	Profiles
	Test 3	
12	8	Corridors
14	9	Grading
15	11	Quantity Take Off/Sections
16	12	Plan Production
	Finals Week	
	Test 4	

IN ADDITION TO THE CHAPTERS OF THE TEXT, STUDENTS ARE RESPONSIBLE FOR ALL SUPPLEMENTAL HANDOUTS AND LECTURES, TAKE NOTES
SCHEDULE SUBJECT TO CHANGE