EGT 105  
BASIC CIVIL DRAFTING

Course Description  
This course covers the application of drawing techniques to structures, map topography, and other civil applications. 2 Cr (2 lec./pres, 0 lab, 0 other)

Course Focus  
Upon completion of this course, the student will be able to read civil engineering prints. Basic terminologies and principals used in developing drawings for surveying, plot plans, contour lines, alignment, profiles, and earthwork will be covered. Civil Engineering Detail drawing standards will be taught.

Text and References  

Course Goals  
The following list of course goals will be addressed in the course. These goals are directly related to the performance objectives. (*designates a CRUCIAL goal)

1. review drafting standards
2. recognize land features
3. import raw survey data
4. generate electronic coordinate points contours
5. determine environmental condition based slope
6. solve cut fill problems
7. create legal description
8. perform simple differential leveling
9. perform simple traverses
10. create topographic surveys
11. create standard field notes
12. recognize surveying instruments
13. create cover sheets
14. design quantity sheets
15. prepare survey data sheets
16. create erosion control plans
17. make plan profile sheets
18. prepare detail sheets
19. create cross section sheets
20. develop transportation standards
21. estimate concrete quantity
22. estimate asphalt quantity
23. estimate sod quantity
24. process accurate earthwork
25. learn TIN surface models
26. familiarize alignment software
27. create simple templates
28. generate electronic profiles
29. generate electronic cross sections
30. interpret GIS data

**Student Contributions**
Each student will spend approximately 2.5-5 hours per week preparing for class and completing assignments to turn in weekly.

Student Attendance Policy: See student handbook within the TCL Catalog.

**Course Evaluation:**
The grading scale is as follows:
Assignments and class work = 50%, Midterm Exam = 25%, and Final Exam = 25%.
90 - 100 = A     80 - 89 = B     70 - 79 = C     60 - 69 = D    Below 60 = F

**Course Schedule**
The class meets for 2.5 lecture/presentation hours per week. Course content will be taught in the order that the content goals are presented in the syllabus.
ADA Statement
The Technical College of the Lowcountry provides access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation, contact the counselor for students with disabilities at (843) 525-8228 during the first ten business days of the academic term.

Academic Misconduct
There is no tolerance at TCL for academic dishonesty and misconduct. The College expects all students to conduct themselves with dignity and to maintain high standards of responsible citizenship.
It is the student’s responsibility to address any questions regarding what might constitute academic misconduct to the course instructor for further clarification.
The College adheres to the Student Code for the South Carolina Technical College System. Copies of the Student Code and Grievance Procedure are provided in the TCL Student Handbook, the Division Office, and the Learning Resources Center.

Attendance
The College’s statement of policy indicates that students must attend ninety percent of total class hours or they will be in violation of the attendance policy.

- Students not physically attending class during the first ten calendar days from the start of the semester must be dropped from the class for NOT ATTENDING. Reinstatement requires the signature of the division dean.
- Students taking an online/internet class must sign in and communicate with the instructor within the first ten calendar days from the start of the semester to indicate attendance in the class. Students not attending class during the first ten calendar days from the start of the semester must be dropped from the class for NOT ATTENDING. Reinstatement requires the signature of the division dean.

- In the event it becomes necessary for a student to withdraw from the course OR if a student stops attending class, it is the student's responsibility to initiate and complete the necessary paperwork. Withdrawing from class may have consequences associated with financial aid and time to completion.
- When a student exceeds the allowed absences, the student is in violation of the attendance policy. The instructor MUST withdraw the student with a grade of “W”, “WP”, or “WF” depending on the date the student exceeded the allowed absences and the student’s progress up to the last date of attendance
- Under extenuating circumstances and at the discretion of the faculty member teaching the class, allow the student to continue in the class and make-up the work. This exception must be documented at the time the allowed absences are exceeded.

- Absences are counted from the first day of class. There are no "excused" absences. All absences are counted, regardless of the reason for the absence.
- A student must take the final exam or be excused from the final exam in order to earn a non-withdrawal grade.
- A copy of TCL’s STATEMENT OF POLICY NUMBER: 3-1-307 CLASS ATTENDANCE (WITHDRAWAL) is on file in the Division Office and in the Learning Resources Center.

Hazardous Weather
In case weather conditions are so severe that operation of the College may clearly pose a hardship on students and staff traveling to the College, notification of closing will be made through the following radio and television stations: WYKZ 98.7, WGCO 98.3, WFXH 106.1, WWVV 106.9, WLOW 107.9, WGZR 104.9, WFXH 1130 AM, WLVH 101.1, WSOK 1230 AM, WAEV 97.3, WTOC TV, WTGS TV, WJWJ TV, and WSAV TV. Students, faculty and staff are highly encouraged to opt in to the Emergency Text Message Alert System. www.tcl.edu/textalert.asp

Emergency Text Message Alert
Students, faculty and staff are highly encouraged to opt in to the Emergency Text Message Alert System. Participants receive immediate notification of emergency events and weather cancelations via text messaging on their cell phones. Participants can also opt in to receive non-emergency news and announcements. Go to www.tcl.edu. On the homepage, click on “emergency Text Alert at TCL” and fill out the form or go to www.tcl.edu/textalert.asp