

Technical College of the Lowcountry
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AVT 165 AVIONICS GENERAL REGULATIONS

Course Description

This course introduces FAA and FCC regulations that pertain to avionics technicians and the maintenance of aircraft and avionics components. Topics also include technical standard orders, manufacturers' maintenance and parts manuals, service letters, bulletins and instructions.

2 Credits (2 lec/pres, 0 lab, 0 other)

Course Focus

Students will learn General Radiotelephone operations, and procedures.

Text and References

GROL+Radar by Gordon West, WB6NOA, Pete Trotter and KB9SMG ISBN: 978-0-945053-60-6

Course Goals

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

- *1. Radio law and operating practice
2. Operating procedures
- *3. Radio wave propagation
4. Radio practice
5. Electrical principles
- *6. Circuit components
7. Practical Circuits
8. Signals and Emissions
9. Antennas and feed lines
10. History of Radar
11. Radio detection ranging
12. How does Radar work
13. Types of Radar
- *14. Aviation and Maritime Radar
15. Ship Radar techniques

Student Contributions

Each student will spend at least 6 hours per week preparing for class and preparing assignments to turn in weekly. Attendance is critical in this class.

Student Attendance Policy: See student handbook within course catalog.

Course Evaluation

Each week's assignments are worth 100 points and averaged over the semester. Chapter tests are also worth 100 points and averaged at the end of the semester. The final will be 100 points.

Tests: 50% Assignments: 45%

Timeliness/Attendance/Participation: 5%

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.

" 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 withdrawal 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 or 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, WGZO 103.1, WFXH 106.1, WWVW 106.9, WLOW 107.9, WGZR 104.9, WFXH 1130 AM, WLVA 101.1, WSOK 1230 AM, WAEV 97.3, WTOG 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 TextAlert at TCL" and fill out the form or go to www.tcl.edu/textalert.asp