



BROWARD COMMUNITY COLLEGE

COURSE OUTLINE

LAST REVIEW: 2009-2010
. 2007-20008

NEXT REVIEW: 2014-2015

STATUS: A

A

COURSE TITLE: ATC Radar Procedures with Lab

COMMON COURSE NUMBER: ATT 2821C

CREDIT HOURS: 3

CONTACT HOUR BREAKDOWN

CLOCK HOURS:

Lecture: 48

Lab: 24

Clinic:

Other:

PREREQUISITE(S): ATT1100, ASC1100, ATT1810, ATT2820, ATT2822C

COREQUISITE(S):

PRE/COREQUISITE(S):

COURSE DESCRIPTION :

This course covers fundamental requirements to work as a radar controller and builds upon the knowledge obtained in courses ATT1810, ATT2820 and ATT2822C. Topics such as radar rules and applications required by FAA JO7110.65 Chapters 4, 8, and 6 are covered in this course. This course will be adapted to mirror a radar position in operation at Miami TRACON. In doing so, this course will teach you the basic requirements needed to work as a radar controller in a terminal facility. Topics taught will include radar systems, radar identification, radar separation, vectoring, phraseology, and issuing approach clearances. The lab portion will mirror the Fort Lauderdale Executive Arrival/Departure Radar position. The student will be required to demonstrate practical application of the rules and procedures in use at this radar position.

UNIT TITLES

1. Primary and Secondary Radar
2. ARTS IIIA and STARS
3. Radar Identification
4. Radar Separation Procedures
5. Vectoring
6. Speed Adjustments
7. Altitude Assignment and Vertical Separation
8. Transfer of Control
9. Arrival and Approach Procedures
10. Departure Procedures
11. Additional Services
12. Radar Service to VFR Aircraft
13. Visual Approaches
14. Emergencies
15. Radar Simulator Lab
16. Radar Qualification Exam



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

EVALUATION:

Student will be assessed regarding course outcomes through a series of oral and/or written quizzes and exams to include demonstrated capability on the associated ATC radar simulators based on scenarios developed to mirror Fort Lauderdale Executive Arrival/Departure Radar position in operation at Miami TRACON.