



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

LAST REVIEW: 2008-2009

(i.e. 2003-2004)

NEXT REVIEW: 2013-2014

(i.e. 2008-2009)

STATUS: A

(A, I, D)

COURSE TITLE: Position and Warning Systems

COMMON COURSE NUMBER: AMT 0270

CREDIT HOURS: 1

CONTACT HOUR BREAKDOWN

(per 16 week term)

CLOCK HOURS: 30

(Voc. Course ONLY)

Lecture: 10

Lab: 20

Clinic:

Other:

PREREQUISITE(S): None

COREQUISITE(S): None

PRE/COREQUISITE(S): None

COURSE DESCRIPTION *(750 characters, maximum):* This course presents the student with the inspection, servicing and maintaining of position and warning systems. Included in this area are navigation lights, beacons, and lights indicating the position of various aircraft components. Student fee charged.

General Education Requirements – Associate of Arts Degree (AA), meets Area(s): Area

General Education Requirements – Associate in Science Degree (AS), meets Area(s): Area

General Education Requirements – Associate in Applied Science Degree (AAS), meets Area(s): Area

UNIT TITLES

1. Speed and Takeoff Warning Systems, Electrical Brake Controls and antiskid Systems
2. Landing Gear Position Indicating and Warning Systems



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ASSESSMENT:

Please provide a brief description (250 characters maximum) that details how students will be assessed on the course outcomes.

1. **Quizzes, Test, and/or Final Exam (cumulative/comprehensive);**
2. **Selected faculty may assess homework, projects, class participation/attendance, and/or extra credit projects.**
Upon successful completion of this course, the students should be able to inspect service and maintain position and warning systems.

Common Course Number: AMT 0270

UNITS

Unit 1 Speed and Takeoff Warning Systems, Electrical Brake Controls and Antiskid Systems

General Outcome:

- 1.0 **The student shall:** The students should be able to inspect, check and service speed and take-off warning systems, electrical brake controls and antiskid systems.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 1.1 List the general requirements for installing skid detectors.
- 1.2 Describe the operating principles of hydraulic brake antiskid systems.



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Common Course Number: AMT 0270

Unit 2 Landing Gear Position Indicating and Warning Systems

General Outcome:

- 2.0 The student shall:** The students should be able to inspect, check, troubleshoot, service and repair landing gear position indicating and warning systems.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 2.1** Determine the cause of a gear unsafe warning signal.
- 2.2** Explain the effect of various electrical faults in the operation of the landing gear warning system.