



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

**LAST REVIEW: 2007-2008**

*(i.e. 2003-2004)*

**NEXT REVIEW: 2012-2013**

*(i.e. 2008-2009)*

**STATUS: A**

*(A, I, D)*

**COURSE TITLE: Airframe Inspection**

**COMMON COURSE NUMBER: AMT 1160**

**CREDIT HOURS: 1**

**CONTACT HOUR BREAKDOWN**

*(per 16 week term)*

**CLOCK HOURS: 20**

*(Voc. Course ONLY)*

**Lecture: 5**

**Lab: 15**

**Clinic:**

**Other:**

**PREREQUISITE(S): None**

**COREQUISITE(S): None**

**PRE/COREQUISITE(S): None**

**COURSE DESCRIPTION** *(750 characters, maximum)*: The subject area covered will give the student the opportunity to acquire the knowledge and skills needed to perform a 100-hour inspection of an aircraft. The student will demonstrate knowledge of FAR's by checking appropriate A.D.'s classifying repairs, and pin-pointing specific service problems. The student will complete the required maintenance forms, records and inspection reports required by federal air regulations. 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. Airframe Conformity and Airworthiness Inspections

## 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 aircraft and complete required maintenance records.



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Common Course Number: AMT 1160

## UNITS

### Unit 1 Airframe Conformity and Airworthiness Inspections

#### General Outcome:

- 1.0 The student shall:** The students should be able to perform airframe conformity and airworthiness inspections.

#### Specific Measurable Learning Outcomes:

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

- 1.1 Discuss the maximum period of time an aircraft can be flown before an annual inspection is required.
- 1.2 Determine the condition of airframes, airframe systems, and components.
- 1.3 Explain the primary purpose of inspection.
- 1.4 Explain the maximum time an aircraft, that carries passengers for hire or is used in flight instruction, can be flown before being inspected.
- 1.5 Determine that an aircraft is in conformity with FAA Specifications.
- 1.6 Determine that applicable Airworthiness Directives have been complied with.
- 1.7 Conduct a thorough and detailed inspection of an aircraft.