



# 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: Engine Inspection**

**COMMON COURSE NUMBER: AMT 0320**

**CREDIT HOURS: 1**

**CONTACT HOUR BREAKDOWN**

*(per 16 week term)*

**CLOCK HOURS: 32.5**

*(Voc. Course ONLY)*

**Lecture: 10**

**Lab: 22.5**

**Clinic:**

**Other:**

**PREREQUISITE(S): None**

**COREQUISITE(S): None**

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

**COURSE DESCRIPTION** *(750 characters, maximum):* Students will be able to perform the various types of inspections of power plants according to federal air regulations and manufacturers' recommendations. They will demonstrate their knowledge of federal air regulations and the application of Federal Aviation Agency Airworthiness Directives, Manufacturers Service Bulletins, and proper use of inspection equipment. They will use knowledge learned in the power plant curriculum to perform malfunction analysis of power plant and related systems. 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. Power plant Conformity and Airworthiness Inspections



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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 perform various inspections of power plants according to federal air regulations and manufacturers' recommendations.

**Common Course Number: AMT 0320**

### UNITS

#### Unit 1 Power plant Conformity and Airworthiness Inspections

##### General Outcome:

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

##### Specific Measurable Learning Outcomes:

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

- 1.1 Determine the applicable Airworthiness Directives are complied with.
- 1.2 Determine that the power plant conforms with the applicable FAA Specifications.