

Cape Cod Community College AMTS

Curriculum Subject Guide for AMT 103 General Curriculum, Subject Items 7 - 10

Part 147, Appendix B, Subject B – Aircraft Drawings

Subject: Aircraft Drawings

Item 7. Use aircraft drawings, symbols, and system schematics (Level 2)

T – 6.5 Hrs / L – 7.5 Hrs

Item 8. Draw sketches of repairs and alterations (Level 3)

T – 4.0 Hrs / L – 6.5 Hrs

Item 9. Use blueprint information (Level 3)

T – 4.75 Hrs / L – 6.0 Hrs

Item 10. Use graphs and charts (Level 3)

T – 1.0 Hrs / L – 2.0 Hrs

Classroom time: 16.25 hours

Lab or shop time: 22 hours

Test time: 1.75 hours

Total Time: 40 hours

Teaching Level 2 and 3

Project 1

Item 7 – 2.5 Hrs

Item 8 – 6.5 Hrs

Project 3

Item 7 – 2.5 Hrs

Item 10 – 2 Hrs

Practical Test 1

1.5 Hrs

Project 2

Item 7 – 2.5 Hrs

Item 9 – 6 Hrs

Theory Test 1

0.25 Hrs

Prerequisite(s)

(1) None

Course Interruptions: All interruptions or changes in course sequence will be in accordance with the Order of Instruction policy, located in Cape Cod Community College's Operations Manual, page 17.

Items 7 & 8:

Student Performance Goal(s)

Given: 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – General, Volume 1 (FAA-H-8083-30), Chapter 2, appropriate drafting equipment, and three written reports describing major repairs or alterations to the structure of the airplane.

Performance: The student will make three sketches or drawings illustrating major repairs or alterations.

Standard: The sketches or drawings must conform to standard drafting procedures, including correct position of views, adequate dimensions and specification of materials. The sketches or drawings will be of such quality that they could be used as part of the maintenance records of an airplane.

Items 7 & 9:

Student Performance Goal(s)

Given: Random copies of aircraft drawings that were drawn to various scales, incorporate different title blocks and changes from the original drawing.

Performance: The student will read and interpret information.

Standard: When provided with a list of ten questions pertaining to scale, title block information and changes incorporated on the drawings, the student will correctly answer seven of the questions.

Given: Installation diagrams or drawings of the type usually associated with Service Bulletins, modifications or Airworthiness Directives.

Performance: The student will interpret the information necessary to comply with the modification and will describe the procedure required to comply with the publication.

Standard: The student will use correct nomenclature when describing procedure and will interpret all drawings relating to location of equipment, etc. without error.

Items 7 & 10:

Student Performance Goal(s)

Given: Charts and graphs of the type that appear in manufacturer's service and operating manuals.

Performance: The student will read, interpret, and apply data obtained from an engine power or performance chart.

Standard: Plotting of information contained in the chart will be accurate within a 10% tolerance.

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