

Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.

COURSE SYLLABUS

AVIA 440

MULTI-ENGINE FLIGHT

COURSE DESCRIPTION

Introduction to multi-engine flight and all related maneuvers in preparation for the FAA Multi-Engine Rating.

RATIONALE

The purpose of this course is to integrate the information learned during the AVIA 430 Multi-Engine Theory into the practical FAA requirements to become a certified multi-engine pilot. The requirements of this course come from FAA Air Circular AC 61-65E regulations. Completion of this course will prepare the student to take the FAA in-flight practical check flight.

I. PREREQUISITE

For information regarding prerequisites for this course, please refer to the [Academic Course Catalog](#).

II. REQUIRED RESOURCE PURCHASE

Click on the following link to view the required resource(s) for the term in which you are registered: <http://bookstore.mbsdirect.net/liberty.htm>

III. ADDITIONAL MATERIALS FOR LEARNING

- A. Computer with basic audio/video output equipment
- B. Internet access (broadband recommended)
- C. Microsoft Office

IV. MEASURABLE LEARNING OUTCOMES

Upon successful completion of this course, the student will be able to:

- A. Identify the requirements for an FAA multi-engine rating
- B. Explain the unique aerodynamic differences in multi-engine versus single engine aircraft.
- C. Discuss all maneuvers required for FAA multi-engine rating.
- D. Exhibit an in-depth knowledge of the fundamentals of multi-engine flight.
- E. Demonstrate Christian character as a professional pilot.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

A. Textbook readings and presentations

B. Course Requirements Checklist

After reading the Course Syllabus and [Student Expectations](#), the student will complete the related checklist found in Module/Week 1.

C. Discussion Board Forums (3)

Discussion boards are collaborative learning experiences. Therefore, the student is required to create a thread in response to the provided prompt for each forum. Each thread must be 250 words and demonstrate course-related knowledge. In addition to the thread, the student is required to reply to 2 other classmates' threads. Each reply must be 100 words. Any citations must be in current APA format.

D. Essay Question

The student will answer an essay question with at least 250 words.

E. Reflection Paper

The student will write a 3-page paper in current APA format that focuses on a multi-engine accident and factors related to it. The paper must include at least 2 references in addition to the course textbooks and the Bible.

F. Quizzes (3)

Each quiz will cover the King Schools material and textbook readings for that module/week. Quizzes will be open-book/open-notes and will contain 18 multiple choice and true/false questions and 2 essay questions. The student will have 1 hour and 30 minutes to complete each quiz.

G. Progress Questions (7)

The student will account for the total number of ground, flight, and/or simulator activities completed at the Flight Training Affiliate. The student will receive full credit for answering the question regardless of the number of activities that were completed.

H. Certificate Submission

In order to pass this class the student must complete Multi-Engine Flight training at a Flight Training Affiliate. Once complete, the student must submit either a copy of the graduation certificate, license/certificate (front and back), or temporary certificate if applicable.

VI. COURSE GRADING AND POLICIES

A. Points

Course Requirements Checklist	10
Discussion Board Forums (3 at 30 pts ea)	90
Essay Question	75

Reflection Paper	140
Quizzes (3 at 50 pts ea)	150
Progress Questions (7 at 5 pts ea)	35
Certificate Submission	510
Total	1010

B. Scale

A = 900–1010 B = 800–899 C = 700–799 D = 600–699 F = 0–599

C. Disability Assistance

Students with a documented disability may contact Liberty University Online’s Office of Disability Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.

COURSE SCHEDULE

AVIA 440

Textbook: Jeppesen, *Multi-Engine Manual* (2013).

WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Jeppesen: ch. 1A 1 presentation 1 website	Course Requirements Checklist Class Introductions Essay Question	10 0 75
2		Progress Question 1	5
3	Jeppesen: ch. 2C 1 presentation 1 website	DB Forum 1 and Replies	30
4		Progress Question 2	5
5	Jeppesen: ch. 2B 1 presentation 1 website	Quiz 1	50
6		Progress Question 3	5
7	Jeppesen: ch. 5A 1 presentation 1 website	DB Forum 2 and Replies	30
8		Progress Question 4	5
9	Jeppesen: ch. 5B 1 presentation 1 website	Quiz 2	50
10		Progress Question 5	5

11	Jeppesen: ch. 5C 1 presentation 1 website	DB Forum 3 and Replies	30
12		Progress Question 6	5
13	Jeppesen: chs. 3A, 4A 1 presentation 1 website	Reflection Paper	140
14		Progress Question 7	5
15	Jeppesen: ch. 5D 1 presentation 1 website	Quiz 3	50
16		Certificate Submission	510
TOTAL			1010

DB = Discussion Board

NOTE: Each course module/week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on **Friday**.