

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

XX Transfer Course XX A.A. Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE:

AERONAUTICAL SCIENCES 106 - Commercial Pilot Ground School

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 48

BASIC SKILLS REQUIREMENTS:

Appropriate language skills

ENTRANCE REQUIREMENTS

PREREQUISITE: Private Pilot Certificate or Aero 105 with concurrent or prior flight training.

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

A comprehensive study of aircraft performance, Federal Aviation Regulations, navigation, flight charts and graphs, radio navigation and communications, meteorology, emergency procedures, aerodynamics, flight instruments, and multi-engine procedure. Prepares the student for the Federal Aviation Administration's Commercial Pilot written examination.

SPECIFIC COURSE OBJECTIVES:

The successful student will be able to:

1. pass the Federal Aviation Administration's written test for Commercial Pilot Airplane.
2. apply principles learned in class to the practical flight test for Commercial Pilot Airplane.
3. analyze the factors and regulations as they apply to planning and making a safe flight.
4. pose problems which may occur during a flight and arrive at safe and satisfactory solutions.
5. solve problems involving aircraft weight & balance and performance.

Gleim, I. Commercial Pilot FAA Question Book. Gainesville, FL: Gleim Publications, 2001.

SUGGESTED READING:

Hurt, H. Aerodynamics for Naval Aviators. Casper, WY: IAP Publications, 1960.

Houser, J. A Guide to Aviation Weather Services. San Marcos, CA: Palomar College, 2001.

REQUIRED WRITING:

Several problem solving exercises of approximately 1 page are more appropriate. Problems include aircraft performance, weight & balance, and navigation.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.

Outside assignments will include reading the text, studying the regulations, studying class notes, and working problems in the study guide.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- XX lecture
- laboratory
- lecture-laboratory combination
- directed study

DISTANCE LEARNING:

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply:

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

Three tests and a comprehensive final. All tests will follow the FAA format. All 4 items will be averaged.

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes ___ No XX Number of times course may be taken for credit: _____

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

CONTACT PERSON:

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SIGNATURES ON FILE
