

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
AVN 114S INSTRUMENT FLIGHT LAB II
1 CREDIT HOUR

COURSE DESCRIPTION

Apply the concepts learned in the Instrument Ground course and the first instrument flight lab to refine the aeronautical skills, flight proficiency, and gain flight experience necessary to meet the requirements for an Instrument Rating. Prerequisite or Co-requisite: AVN 111S; Prerequisite: AVN 113S; Department permission required. Lab fee.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
3	1. Demonstrate the ability to control the aircraft during simulated instrument failures.	2,3,4,6
5	2. Combine previous aeronautical experience to conduct cross country flight in the national airspace system and emergency procedures as they pertain to instrument flight.	2,3,4,5,6,7
3	3. Demonstrate the ability to plan and execute IFR (instrument flight rules) cross country flight.	2,3,5,6,7,10
3	4. Demonstrate the ability to handle system failure and communication failure during IFR flight.	2,3,4,6,8,10
5	5. Develop the skills to pass the FAA instrument rating practical exam in a single engine land airplane (ASEL).	1,2
5	6. Practice previously learned maneuvers and operations to practical test standards.	1,2
5	7. Compile aeronautical knowledge for the practical exam.	1,2

CORE VALUES

The Core Values are a set of principles that guide in creating educational programs and environments at Edison State Community College. They include communication, ethics, critical thinking, human diversity, inquiry/respect for learning, and interpersonal skills/teamwork. The goals, objectives, and activities in this course will introduce/reinforce those Core Values wherever appropriate.

TOPIC OUTLINE

1. Instrument flying
2. Simulated instrument failures
3. Air traffic control communication
4. Precision and non-precision approaches
5. IFR cross country
6. Instrument practical exam