

SYLLABUS  
PART I  
EDISON STATE COMMUNITY COLLEGE  
AVN 104S SOLO AND CROSS-COUNTRY FLIGHT LAB  
1 CREDIT HOUR

**COURSE DESCRIPTION**

Application of the concepts learned in the Private Pilot Ground course to develop aeronautical skills, flight proficiency, and flight experience necessary to meet the requirements for the Private Pilot Certificate. Includes the skills and concepts required for solo and cross-country flight experiences plus the review for the certification check ride. Prerequisite: AVN 103S; Prerequisite or Corequisite: AVN 101S. Lab fee.

**COURSE GOALS**

The student will:

Bloom's Level		Program Outcomes
5	1. Execute cross country flight combining previous aeronautical experience with cross country flight planning concepts.	2,3,5,6,7,10
3	2. Demonstrate emergency procedures to include in-flight emergencies, diversions, and lost procedures.	2,3,4,6,8
5	6. Demonstrate the use of navigation systems.	2,6,7
5	3. Demonstrate effective night flying concepts.	2,3,5,6,8
3	4. Exhibit the knowledge of aeronautical factors associated with airport lighting, navigation, emergency procedures, pre-flight inspection and cockpit management at night.	2,3,4,6,8
5	5. Develop the skills to pass the FAA Private Pilot practical exam in a single engine land airplane (ASEL).	2
5	6. Practice previously learned maneuvers and operations to Airman Certification Standards (ACS).	2,3,4
2	7. Review aeronautical knowledge for the practical exam.	1,2
3	8. Accomplish Private Pilot Certification in a single engine land airplane.	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. In-flight emergency mitigation
2. Ground and satellite-based navigation systems
3. Cross country planning and flight
4. Diversion and lost procedures
5. Practical night flying concepts
6. Aeronautical knowledge review
7. Private Pilot practical exam