

SYLLABUS  
PART I  
EDISON STATE COMMUNITY COLLEGE  
AVN 102S PRIVATE PILOT FLIGHT LAB  
2 CREDIT HOURS

**COURSE DESCRIPTION**

Apply the concepts learned in the Private Pilot Ground course to develop the aeronautical skills, flight proficiency, and flight experience necessary to meet the requirements for the Private Pilot Certificate. Prerequisite or Co-requisite: AVN 101S. Lab fee.

**COURSE GOALS**

The student will:

Bloom's Level		Program Outcomes
5	1. Develop the aeronautical experience to conduct solo flight.	2,3,4,6,10
1	2. Examine the practical application of aerodynamics.	2,3,4,6
3	3. Demonstrate the ability to conduct basic flight maneuvers.	2,3,4,6
3	4. Demonstrate knowledge and execution of emergency procedures.	2,3,4
2	5. Communicate clearly with air traffic control and the Common Traffic Advisory Frequency (CTAF).	2,10
5	6. Combine previous aeronautical experience with cross country flight planning concepts to successfully execute cross country flight.	2,3,5,6,7,10
3	7. Demonstrate knowledge and use of navigation systems.	2,6,7
5	8. Plan and conduct cross country flights.	2,3,5,6,7,10
3	9. Demonstrate emergency procedures to include in flight emergencies, diversions, and lost procedures.	2,3,4,6,8
5	10. Integrate previously learned night flying concepts.	2,3,5,6,8
3	11. Exhibit the knowledge of aeromedical factors associated with night flying, airport lighting, navigation, emergency procedures, pre-flight inspection and cockpit management at night.	2,3,4,6,8
5	12. Develop the skills to pass the FAA Private Pilot practical exam in a single engine land airplane (ASEL).	2
5	13. Practice previously learned maneuvers and operations to Airman Certification Standards (ACS).	2,3,4
2	14. Review aeronautical knowledge for the practical exam.	1,2
3	15. 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. Practical application of aerodynamics
2. Basic flight maneuvers
3. In flight emergency mitigation
4. Aviation communication techniques

5. Navigation systems to include ground based and satellite
6. Cross country planning and flight
7. Diversion and lost procedures
8. Practical night flying concepts
9. Private Pilot practical exam