

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
AVN 103S PRIVATE PILOT PRE-SOLO 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 basic flight processes and skills leading up to but not including the first solo flight experience. 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 safely pilot an aircraft with the support of a flight instructor.	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
3	6. Demonstrate knowledge of navigation systems.	2,6,7
3	7. Demonstrate emergency procedures to include in-flight emergencies, diversions, and lost procedures.	2,3,4,6,8
4	8. Explain night flying concepts.	2,3,5,6,8

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. Ground and satellite-based navigation systems
6. Diversion and lost procedures
7. Practical night flying concepts