Course Description
ATF1601L | Flight Orientation Simulator Lab | 1.00 credit
This course will give the student an introduction to the environment of operating an aircraft from a pilot's point of view. It is designed to provide this knowledge to those students such as Air Traffic Controllers and Aviation Administration Students who have no piloting experience.

Course Competencies:
Competency 1: The student will become familiar with the basic instruments and cockpit layout of a representative light aircraft and the basic methods of aircraft control by:
1. Distinguishing airspeed and altitude control and flight attitudes, including pitch, roll & yaw
2. Demonstrating basic in-flight maneuvers such as level flight, slow flight, climbs, descents, turns

Competency 2: The student will be introduced to takeoff techniques by:
1. Operating power settings
2. Demonstrating heading and speed control, allowing for winds
3. Following liftoff and climb techniques

Competency 3 The student will become familiar with landing techniques by:
1. Demonstrating flight traffic patterns
2. Controlling heading, power, and speed, allowing for winds
3. Operating down the glide slope and conducting the flare
4. Demonstrating proper flap usage and landing techniques

Competency 4: The student will demonstrate an understanding of basic instrument procedures by:
1. Showing holding patterns and approaches
2. Describing the required pilot-to-controller communications from taxi to takeoff to in-flight and landing

Learning Outcomes
- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Use computer and emerging technologies effectively