



## MASTER COURSE OUTLINE

Prepared By:

Date: April 2021

## COURSE TITLE

Night Flying

## GENERAL COURSE INFORMATION

Dept.: AVF

Course Num: 254

(Formerly: )

CIP Code: 49.0102

Intent Code: 21

Program Code:

Credits: 1

Total Contact Hrs Per Qtr.: 60

Lecture Hrs:

Lab Hrs: 60

Other Hrs:

Distribution Designation: General Elective (GE)

## COURSE DESCRIPTION (as it will appear in the catalog)

Provides an introduction to night flying and advanced instruction in night navigation, procedures, orientation, landings, takeoffs and techniques necessary for safe operation of airplanes at night.

## PREREQUISITES

AVF 142

## TEXTBOOK GUIDELINES

Flight Training Handbook by FAA

Professional Pilot Course Handbook by Big Bend Community College

FAA-8083-3

## COURSE LEARNING OUTCOMES

*Upon successful completion of the course, students should be able to demonstrate the following knowledge or skills:*

1. Demonstrate night takeoff and landing proficiency within the Commercial Pilot-Airplane Airman Certification Standards.
2. Plan and execute night VFR cross country flights within the Commercial Pilot-Airplane Airman Certification Standards.
3. Evaluate various Go/No-Go flight decisions for night solo operations using effective Aeronautical Decision Making (ADM) skills.

## INSTITUTIONAL OUTCOMES

IO3 **Human Relations/Workplace Skills:** Students will be able to demonstrate teamwork, ethics, appropriate safety awareness and/or workplace specific skills

## COURSE CONTENT OUTLINE

1. NIGHT TAKEOFFS AND LANDINGS

Objective: The student shall develop the ability to perform night takeoffs and landings with and without the landing light.

2. NIGHT FLYING CROSS-COUNTRY

Objective: The student shall develop the skill necessary to safely accomplish local and cross-country night flights. The student shall be instructed in night operation, night vision, night orientation, judgment of distance, use of lights (cockpit, position, and landing), navigation, and night emergency procedures.

3. NIGHT ORIENTATION

Objective: The student shall exhibit commercial pilot knowledge by explaining and demonstrating proficiency:

4. NIGHT VFR CROSS-COUNTRY

Objective: The student shall complete a night cross-country flight of at least 100 NM straight line distance from the original departure airport of at least two hours duration and become proficient in navigating at night. Preferred routes are 1. MWH to COE and 2. MWH to LWS.

5. NIGHT SOLO

Objective: The student shall practice various maneuvers with emphasis on instruments, area orientation and landings.

6. NIGHT SOLO

Objective: The student shall practice the listed maneuvers and complete the course night solo requirements of five hours solo with 10 takeoffs and 10 landings at an airport with operating control tower

**DEPARTMENTAL GUIDELINES** *(optional)*

Evaluation is by in flight demonstration of the night proficiency and completion of all lesson requirements.

Grading: Satisfactory performance of in flight maneuvers/ procedures and completion of all lesson requirements. \_\_\_ Pass

Unsatisfactory performance of in flight maneuvers/ procedures or failure to complete all lessons. \_\_\_ Fail.

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**DIVISION CHAIR APPROVAL**

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**DATE**