



Outcome-based 18/SU Course Syllabus

Course Rubric Number Section: AIRP 1175 1001
Lecture-Lab-Credit: 0-3-1
CIP Code: 49.0102
Course Title: Intermediate Flight
Course Description: Provides students with flight hours and skills necessary to fulfill solo cross-country hours required for the Federal Aviation Administration Commercial Pilot, single engine land, airplane certificate.
Prerequisites: Take AIRP-1215(268); Minimum grade C,CR;
Co-requisites:
Course Meets: 1ASC N294 ILB TBA TBA

Instructor: John Gainer
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Building & Office Room Number: JTC Aerospace Center N294
Office Hours: 0800 to 1700

Approved by:	Angel Newhart	Date:	2018-05-03
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Course Outcomes

- CO1:** Plan cross-country flight necessary for commercial pilot rating
- CO2:** Perform cross-country flight necessary for commercial pilot rating

Added Outcomes

- CO3:** Student will demonstrate professionalism by meeting minimum attendance as published in the Aviation Student Handbook.

TSTC Grading Policy

(Grades for courses must be C or better)

Grade	Percent	Description	Grade Points
A	90-100	Excellent/Superior Performance Level	4
B	80-89	Above Required Performance Level	3
C	70-79	Minimum Required Performance Level	2
D	60-69	Below Required Performance Level	1
F	Below 60	Failure to meet Performance Requirements	0
IP	--	In Progress	
W	--	Withdrawal	0
CR	--	Credit	0
AUD	--	Audit of Course	0

See College Catalog for complete descriptions.

Competencies Rating Scale

Rating Scale Key			
6	90+	Proficient	Student consistently performs the task accurately to industry standards without supervision.
5	80-89	Proficient	Student performs the task to industry standards with no supervision.
4	70-79	Proficient	Student performs the task to industry standards with little supervision. This is the minimum performance rating for STAR skill completion.
3	60-69	Exposed/Not Proficient	Student has been introduced to the task and can perform some of the tasks to industry standards.
2	50-59	Exposed/Not Proficient	Student has been introduced to the task, but cannot perform the task to industry standards.
1	0-49		Student was absent or did not complete assignment.

Campus Standard Policies

The [Student Handbook](#) contains valuable information on campus policies and procedures.

- Student Code of Conduct
- Student Drug and Alcohol Testing Policy
- Plagiarism
- Student Grievances and Complaints

Disability Services

Any student who, because of a disability, may require special accommodations in order to meet the course requirements, should contact the Disability Services office, as soon as possible, to make necessary arrangements. Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from the Disability Services office has been provided.

Abilene Campus

Susan Hash
Testing and Support Services
Abilene Main Campus Bldg. Rm. 112
325-734-3641

Breckenridge Campus

Lisa Langford
Testing and Advisement located in
The Main Building Rm. 106
254-559-7731

Brownwood Campus

Nicole Whitley
Testing and Advisement
Building 2 Rm. 120
325-641-5955

Fort Bend Campus

Schauna Boynton
Brazos Center Rm. 113
346-239-3394

Harlingen Campus

Corina De La Rosa
Disabilities Services
Student Support Services
Student Services Bldg. Rm. 216
956-364-4521

Marshall Campus

Annette Ellis
Administration and Admissions Rm. 150
909-923-3313

Sweetwater Campus

Misty Walden
Disability Services
Student Support Services
Lance Sears Building Rm. 140
325-236-8292

North Texas Campus

Amanda Warren
Student Services, Room 227
972-617-4724

Waco Campus

Marilyn Harren
Disabilities Services Office
Student Services Center Rm. 198
254-867-3600

Williamson County

Chemese Armstrong

Enrollment Services Rm. B113C
512-759-5907

Tutoring Statement

The Supplemental Instruction & Tutoring Program at TSTC offers free tutoring and academic support services to help you achieve your academic and career goals. You can access the Tutoring Schedule, as well as *MyTSTC Video Tutor Library*, by visiting: https://portal.tstc.edu/student/Student_Learning/Pages/Tutoring.aspx (shortened link: goo.gl/Z9vJvY). For more information, please contact Norma A. Salazar@ [956-364-4557](tel:956-364-4557).

Learning Resource Center

The purpose of the TSTC Learning Resource Center is to serve the TSTC Community and support academic, advanced, specialized and emerging programs, contributing to the educational and economic development of the State of Texas. You can access the Learning

Aerospace Grading Policy:

Passing any course will require a minimum overall course grade of 70%. The student cannot fail more than one test per course. More than one test score below 60 is a failure of the entire course with a final grade of "D" or "F". The grade difference between "D" and "F" will be based on each individual program policy.

Aerospace Students reference HB 1508:

For students in this course who may have a criminal background, please be advised that the background could keep you from being licensed by the State of Texas and certifying agency. If you have a question about your background and licensure, please speak with your faculty member or the department chair. You also have the right to request a criminal history evaluation letter from the applicable licensing agency.

Aerospace Student Dress Code:

The student dress requirements mirror standards seen in our profession and will identify you as an Aviation Program Student. Your image reflects your professional attitude and conduct. How you present yourself is important to companies, airlines, FAA and hopefully to yourself. We expect you to look like a professional in your dress as well as in your conduct.

All APT, AER, AVI, ADT and ATC students are expected to be clean and well groomed. The TSTC aviation blue, steel grey, Baylor aviation shirt, or approved substitute, must be worn when in the classroom. Pants should reflect a professional image and worn at waist level. Ripped or baggy clothing is not acceptable; nor is overly tight or revealing clothing; yoga pants are not acceptable. NO short shorts! Shorts must be no more than 5" above the knee. Jeans that don't detract from a professional image may be worn. Close toed shoes, tennis shoes, or boots are acceptable. Open toed shoes, sandals, and flip flops are not permitted due to safety issues. If heels are worn they must be two inches or less for safety. Hair should be clean and neat.

Jewelry will be kept to a minimum to prevent loss and /or injury. Earrings are acceptable, but should be conservative and not extend beyond the ear. Tattoos covering large parts of the body or reflecting crude taste will limit your chances of being hired, are not recommended, and will be covered to promote an aviation professional image.

The purpose of these appearance standards is to promote a safe and comfortable work environment that is free of unnecessary distraction. The aviation industry as a whole is conservative in dress and appearance, and we hold you to these standards. Crude, provocative, or radical clothing will not be permitted. Students who arrive for class or for a flight inappropriately groomed or attired may be asked to leave and/or make changes. If you have opposition to conforming to conservative dress standards, you should probably consider other career options. Unless a notification is sent out Fridays are considered Relaxed Dress Code days.

Only the Department Chair or Lead instructor can issue waivers to this policy.

By attending our programs, you agree to the standards so described.

Represent TSTC and the Aerospace Department with pride.

Class Behavior Policy:

1. Students will be considered tardy past the classroom start time.
2. No tobacco products in class. No food allowed in classrooms. Drinks allowed at instructors discretion.
3. *Appropriate attire is required.* See Student Handbook, Section 3.
4. Attending class sessions, other than the one enrolled in, requires prior written request and permission by both instructors.
5. If an Instructor requests you to leave the class for any reason, leave the room immediately. Do not disrupt the class with appeals or arguments.
6. Vulgar or profane language is not tolerated and is unprofessional.

Class Participation Policy:

1. Be in class and seated on time. The definition of "on-time" is to be seated at the start of roll call at the top of the hour. If the class starts at 8AM, be seated by 8AM.
2. It is the **student's responsibility**, not the instructors, to inform the instructor before the end of that class period that he/she is tardy but present.
3. It is the student's responsibility to inform the instructor of any planned absences.

4. Perfect participation will earn a class participation grade of 100, to be averaged with your test grades, if your academic average equals a passing grade.
5. Each unexcused absence will result in a 5-point loss on your participation grade. Each unexcused tardy will result in a 3- point loss on your participation grade.
6. Excessive non-participation will require the student to receive a failing grade.
7. The student will fail the course if unexcused absences exceed 15% of total classes, or any combination of excused or unexcused absences exceed 25 % of classes (or flights). This includes up to the last class meeting, regardless of that student's test grade average. The maximum absence for a class that meets 3 times a week is 6 unexcused and total absences not to exceed 11. For a class that meets 2 times a week is 4 unexcused and 7 total absences. One absence past this limit, results in a failing grade. Any appeal or reconsideration to continue will be with the Department Chair. ***This policy applies to scheduled flight training.***

Class participation: means being present in appropriate attire, on time, with all required textbooks and materials, and taking an active part in the classroom lesson. Participation points may be deducted for not meeting the participation requirements, or sleeping in class.

Grading Procedures:

1. Every exam may be comprehensive, covering material for that unit and any previous material.
2. Test material may come from the textbook, handouts, lectures, videos, and/or class projects.
3. Unscheduled quizzes may be given at the discretion of the instructor.
4. Missed Exam: One missed exam may be made up for an excused absence.
5. Grades will be the average of tests, homework, quizzes and if applicable, the class participation grade (refer to: **Class Participation Policy #4**). Presentations, projects, or other assignments may also be averaged into the final grade at the discretion of the instructor.
6. Passing this course will require a minimum overall course grade of 70%.
7. The student cannot fail more than one test per course. More than one test score below 70 is a failure of the entire course with a final grade of "D" or "F". The grade difference between "D" and "F" will be based on the average of the test scores. Students with no unexcused absences may retake one failed exam for the semester. Re-examination must be completed prior to the next test with method and type at the Instructor's discretion, and your highest grade will be 70.
8. Flight privileges may be suspended from student pilots who do not maintain a passing grade in any APT ground school course.
9. The instructor reserves the final authority in evaluating students involved in extenuating circumstances concerning class attendance and grading policy.
10. Cheating of any kind will result in immediate referral to the Student Dean and removal from the program.

* *Note:* The grade "D" represents performance below the minimal performance level sufficient for related job entry. The grade of "D" cannot count toward credit for graduation, if received in a student's major courses.

Academic Exams/FAA Writtens and Flight Training:

1. For each semester with a course of instruction that has a corresponding FAA written exam associated it, the FAA written exam will be the final exam for that course (APT students only). Example: Private Pilot ground will have the Private Pilot FAA written for the final exam. Instrument ground, Commercial ground and CFI ground have the same requirements.
2. Students will present a Laser Scan grade sheet to the instructor from an approved FAA test center. Grades above a 70 are passing. If the student opts to not take their FAA exam, they will not pass the course.
3. FAA written exams require an endorsement by a CFI or AGI/IGI. Check with your instructor in plenty of time to prepare for your exam. Check with your flight instructor or the Chief Pilot to do online test prep for any FAA Written. The APT department provides online test prep support and services.
4. If a student fails an FAA written, they may retake within the semester the test is required. If a second test is not passed, the student will be placed on academic and/or flight suspension.

Resources

Textbooks & Publications:

Item Title	Author	Publisher	Edition	ISBN
1 Cessna 172 Information Manual	Cessna Aircraft Company	Cessna Aircraft Company	Appropriate to Aircraft Model Flown	
2 Cessna 172S Checklist, Flows and Information	TSTC Aerospace	TSTC	Rev A Change 0	
3 FAR/AIM	Federal Aviation Administration	Any		
4 Airplane Flying Handbook	FAA	Any	FAA-H-8083-3B(2016)	
5 Pilot's Handbook of Aeronautical Knowledge	FAA	Any	FAA-H-8083-25B(2016)	
6 Commercial Pilot Airman Certification Standards	FAA	Any		

Tools, Materials:

Item	Resource	Quantity
1	U.S. Passport	1
2	Current FAA Medical Certificate	1
3	Pilot Logbook	1
4	San Antonio Sectional Chart	1
5	Houston Sectional Chart	1
6	Dallas/Ft. Worth Sectional Chart	1
7	South Central Chart Supplement	1
8	Manual E6B	1
9	Aviation Plotter	1
10	Flashlight with Clear and Red Lens	1

Course Schedule			
Unit/Week	Unit Description/Objectives	Assessment Label:Description	Due Date
1	The Intermediate Flight Course (CSEL TCO Stage 1) is designed to provide the student with the bulk of the aeronautical experience necessary for the Commercial Pilot Certificate. During this stage, the student will continue to develop the knowledge, skill, and experience needed to confidently complete solo cross-country flights in varying conditions. This course is complete upon satisfactory completion of the Commercial Pilot TCO Stage Check One - Flight Checkride		
	<ul style="list-style-type: none"> Student will complete the FAA Mandatory Pilot Orientation and become familiar with the TSTC Flight Operations Training Policies and Procedures as outlined in 14CFR §141.93(a). Student will successfully complete Flight Lessons 1 through 16 as outlined in TSTC's FAA approved Commercial Pilot (ASEL) TCO. The student will gain confidence in cross-country and Bravo airspace operations. The student will perform all flight and ground training events within the syllabus in preparation for the Commercial Pilot End-Of-Course Examination. Further review may be pursued in this stage as necessary. 	<p>Stage Check 1 - Oral Exam: This stage check will evaluate the student's knowledge regarding VFR cross-country flight, aircraft systems, Crew Resource Management, Emergency Procedures and FAA regulatory guidance. A comprehensive evaluation of a prepared Navigation Plan / Log will also be conducted. This stage check will be administered by the chief flight instructor, assistant chief flight instructor, or designated check instructor.</p> <p>Stage Check 1 - Flight Checkride: Emphasis will be on VFR cross-country flight, lost and diversion procedures, landing technique and In-flight Emergencies. The instructor administering the stage check shall assign the route to be flown. Completion Standards are published in the Current TSTC Commercial Pilot TCO. This stage check will be administered by the chief flight instructor, assistant chief flight instructor, or designated check instructor.</p> <p>Participation: Participation shall be evaluated throughout the duration of the course considering excused and unexcused absences (no-shows). Minimum attendance and Course Grading are published in the Aviation Student Handbook.</p>	TBD

Grade Scheme	
Category Description	Category Value
Intermediate Flight Stage Check	80%
Assessment Label:	Assessment Description
Stage Check 1 - Oral Exam:	This stage check will evaluate the student's knowledge regarding VFR cross-country flight, aircraft systems, Crew Resource Management, Emergency Procedures and FAA regulatory guidance. A comprehensive evaluation of a prepared Navigation Plan / Log will also be conducted. This stage check will be administered by the chief flight instructor, assistant chief flight instructor, or designated check instructor.
Stage Check 1 - Flight Checkride:	Emphasis will be on VFR cross-country flight, lost and diversion procedures, landing technique and In-flight Emergencies. The instructor administering the stage check shall assign the route to be flown. Completion Standards are published in the Current TSTC Commercial Pilot TCO. This stage check will be administered by the chief flight instructor, assistant chief flight instructor, or designated check instructor.
Category Description	Category Value
Participation Show/NoShow	20%
Assessment Label:	Assessment Description
Participation:	Participation shall be evaluated throughout the duration of the course considering excused and unexcused absences (no-shows). Minimum attendance and Course Grading are published in the Aviation Student Handbook.
Total Assessment Percent 100.00%	
Total Category Percent 100.00%	
A = 100-90	B = 89-80
C = 79-70	D = 69-60
	F = 59-0

Description of Graded Elements of the Course			
Assessment Label	Assessment Description/Course outcomes met	Assessment Value in Percent	% of Final Grade
Stage Check 1 - Oral Exam	This stage check will evaluate the student's knowledge regarding VFR cross-country flight, aircraft systems, Crew Resource Management, Emergency Procedures and FAA regulatory guidance. A comprehensive evaluation of a prepared Navigation Plan / Log will also be conducted. This stage check will be administered by the chief flight instructor, assistant chief flight instructor, or designated check instructor. Course outcomes met: CO2	40.00	40.00%
Stage Check 1 - Flight Checkride	Emphasis will be on VFR cross-country flight, lost and diversion procedures, landing technique and In-flight Emergencies. The instructor administering the stage check shall assign the route to be flown. Completion Standards are published in the Current TSTC Commercial Pilot TCO. This stage check will be administered by the chief flight instructor, assistant chief flight instructor, or designated check instructor. Course outcomes met: CO1	40.00	40.00%
Participation	Participation shall be evaluated throughout the duration of the course considering excused and unexcused absences (no-shows). Minimum attendance and Course Grading are published in the Aviation Student Handbook. Course outcomes met: CO3	20.00	20.00%
		100.00	100.00%

Flight Training Policies:

All TSTC APT Flight Students MUST read, understand and comply with all Flight Training Policies found in the Aviation Student Handbook, Appendix A.

Emergency and Non-normal Operations:

In the event of any Emergency, Maintenance issue or Non-normal operations during a flight course lesson, students MUST contact the Flight Instructor and/or Chief Flight Instructor for guidance.

Jack Gainer, Chief Flight Instructor

(254) 867-2075 office

Office
(717) 279-1019 cell