AVT 315 Syllabus

SIUC DEPARTMENT OF AVIATION TECHNOLOGIES

AVT 315 Power Plant Testing

Spring Semester 2016

Instructor: Matt Harrison
Email: harrison@siu.edu
Office: Aviation Test Cell Office 102
Phone: 618-453-9205
Office Hours: MW 12-2, TH 11-1 or by appointment
Lecture: TTH 930AM to 1045AM Room 145
Lab: Section 1 M 8-1150AM in Hangar
    Section 2 W 8-1150AM

Course Description
Students will have an understanding of the correct procedures and precautions to be observed during engine installation, ground operation, and fuel and oil servicing. They will be required to inspect and troubleshoot reciprocating and jet engines for airworthy condition and interpret engine instrument readings to diagnose engine malfunctions.

Grading Policy
A 90-100    B 80-89    C 70-79    D 60-69    F Below 60

Lecture equals 1/3 of final grade
Lab equals 1/3 of final grade
Final exam equals 1/3 of final grade

A grade of “C” or better in lecture, lab and on the final is required to pass this class. All lab projects must be completed and turned in before the last class of finals week (Thursday) or a failing grade will be issued. There will be no make up time during finals week.

Attendance Policy
Attendance is mandatory. As an FAA certified Airframe and Powerplant Mechanic Training Program, we must abide by the FAA’s attendance policy. Instructors are required to take roll each class period. It is the student’s responsibility to contact the instructor in advance of absences whenever possible or immediately thereafter to arrange make-up time where appropriate and to obtain hand-outs or other material from classes missed. In order for it to be excused, you MUST furnish information within ONE week of your absence that the instructor deems excusable. Doctor’s notes must reflect the dates you were absent. No self-diagnosis
forms will be accepted. The instructor reserves the right to excuse your absence(s) in advance of missing class. It is the student’s responsibility to inform the instructor when the student will be missing class. Remember that employers generally fire workers that have no call-no shows.

**Students are expected to be in class and lab on time.** Three late arrivals will be counted against the student as one **unexcused absence.** **Unexcused absences** or **habitual tardiness** will result in a cumulative reduction of the student's **final grade point average:** First unexcused absence results in a one-point reduction of the final grade (0-100 scale). Second absence results in a 3 point reduction. Third absence results in a 7 point reduction. Fourth absence results in a 15 point reduction. Fifth absence results in a 31 point reduction. After the fifth unexcused absence the cumulative grade reduction would be 31 points, making it impossible to receive a passing grade for the course.

1\(^{st}\) Absence = minus 1 point
2\(^{nd}\) Absence = minus 3 points
3\(^{rd}\) Absence = minus 7 points
4\(^{th}\) Absence = minus 15 points
5\(^{th}\) Absence = minus 31 points

**Make up time** may be granted at the discretion of the instructor. Final determination as to whether or not an absence is "**excused**" rests with the instructor. Performance of make-up time does not reinstate points lost due to unexcused absences. Make up time must be scheduled in advance. There will be no make-up time during Finals week.

**IF YOU DO MISS TIME YOU HAVE 2 WEEKS TO SCHEDULE MAKE UP TIME OR YOU WILL LOSE THE ATTENDANCE POINTS.**

**Lab**
There are projects that are graded objectively and subjectively. Put in a 3 ring binder and turn in by assigned due date or the last lab period of the semester if no due date was assigned.

**Exams**
There will be exams that are graded objectively. The final will be a comprehensive exam that is graded objectively.

**Quizzes**
If there are any quizzes, they will be unannounced and graded objectively. They may occur during the lab or lecture. If you are absent when a quiz is given you will NOT be allowed to make it up.

**Cheating**
No form of academic dishonesty will be tolerated. If caught you will be referred to Office of Student Judicial Affairs. Phones and other technological devices besides a standard calculator will not be used during any exam. If seen with one during exam times you will be considered to be cheating and will receive a 0 for the exam.
Text
Supplemental:

Aircraft Propellers and Controls, Jeppesen Sanderson

AC 43.13-1B/2A. Acceptable Methods, Techniques, and Practices – Aircraft
Inspection, Repair and Alterations. FAA


Tools. These are not optional and you must have your own and they must be present in
lab. You will be given a two-week grace period and 1 verbal warning. After the warning
you will be counted as absent. Please see the attendance policy.

Standard Airframe and Powerplant Mechanic Tools (see AvTech Tool List)
Safety Glasses
Ear Plugs
You may also want extra clothes or work clothes.

Emergency Procedures:

Southern Illinois University Carbondale is committed to providing a safe and healthy
environment for study and work. Because some health and safety circumstances are beyond
our control, we ask that you become familiar with the SIUC Emergency Response Plan and
Building Emergency Response Team (BERT) program. Emergency response information is
available on posters in buildings on campus, available on the BERT’s website at
www.bert.siu.edu, Department of Public Safety’s website www.dps.siu.edu (disaster drop
down) and in the Emergency Response Guidelines pamphlet. Know how to respond to each
type of emergency.
Instructors will provide guidance and direction to students in the classroom in the event of an
emergency affecting your location. **It is important that you follow these instructions and
stay with your instructor during an evacuation or sheltering emergency.** The Building
Emergency Response Team will provide assistance to your instructor in evacuating the
building or sheltering within the facility.
I have been given the opportunity to clarify any questions I have in regards to the syllabus for
AVT 315 for Spring 2016

Printed Name ________________________________

Signature ________________________________

Date ________________________________

Printed SIU Email Address ________________________________

Contact Phone Number ________________________________