

SALT LAKE COMMUNITY COLLEGE PROFESSIONAL PILOT PROGRAM  
**PILT 1010 AIR TRANSPORTATION**  
 Spring 2012 – COURSE SYLLABUS – current as of 2012-08-22

**Start-End, Day:** 2012 Aug 23 – Dec 13, Thursday (both sections)  
**Place & Time:** Westpointe 209 Section-001: 09:00-11:50, -005: 17:00-19:50  
**Instructor:** Bruce Boyes  
**Office:** B110F, Meadowbrook Campus [MBC] by appointment  
**Phone/text:** 801-809-2658 texting is preferred  
**E-mail:** [bboyes@BruinMail.slcc.edu](mailto:bboyes@BruinMail.slcc.edu)  
**Office Hours:** By appointment, or just after class

**Course Prerequisite:** None

**Course Text:** *Air Transportation* [15<sup>TH</sup> Edition]; Robert M. Kane. 14<sup>th</sup> edition also acceptable and are often available used online (try Amazon) for as little as \$5 including shipping.

**Course Description:** We will cover the development of aviation from earliest times through today. You will understand the relevance of significant aviation events, significant individuals, aircraft development, regulation and deregulation, administrative bodies, commercial organizations and companies, space commercialization, and current technology trends.

**Course Goals:** You will understand the relevance of significant aviation events, individuals, aircraft, domestic and international organizations, agencies and commercial companies that have influenced and continue to shape the air transportation industry.

**Some Learning Outcomes:** You will know what agencies and regulating bodies can affect your pilot or operator certificates, and to whom you can appeal certificate actions. You will be able to explain how the air transportation system (domestic and international) came to be. You will have a good idea where you might look for a job in the industry, where the industry is currently expanding, and where exciting research and discoveries are happening now. You will be able to explain past boom/bust cycles and how they might repeat during your career.

**How to Get a Good Grade In This Class:** I don't grade on a curve, so it is possible for everyone to do well on the assignments and tests and earn an A – and I would love to see that. But it is not entirely up to me. Here's what you can do:

1. Read the text before coming to class. This will help the class presentations make sense, and you will have questions ready.
2. Take notes, and use your class notes to make your page of notes for test use.
3. Join avweb.com for weekly aviation news updates
4. Attend class! Schedule checkrides, etc during class at your own peril.

**Course Evaluations:**

Attendance/Participation	10%
Homework/Assignments/Quizzes	15% << 20%?
Presentations/Papers	30%
Mid-Term	20%
Final	25% << 20%?

**Grade Scale:**

94 - 100% = A	87 - 89% = B+	77 – 79% = C+	<b>You need a C or better to pass! C- is not passing.</b>
90 - 93% = A-	84 - 87% = B	74 – 76% = C	
	80 - 83% = B-	70 – 73% = C-	

Below 60% = E Incompletes are given at instructor's discretion if special circumstances exist. You must have successfully completed a substantial portion (~80%) of the coursework with a passing grade, and must provide documentation supporting your request.

**Homework** is due when specified. Late homework will be accepted, with a 50% penalty, if submitted within a week of the original due date. Unless otherwise indicated, all homework assignments will be typed and submitted at start of class in the manner explained the first day.

**Class Projects** involve the collaborative application of lesson material towards the evaluation and exploration of timely and relevant issues within the air transport industry. Individuals who are absent when such projects are conducted may only submit the associated work within 1 week following the specific missed class in which the project was conducted. Such assignments will be graded on a 100%, 50% or 0% basis.

**Attendance** Be prepared to discuss current air transportation events which have happened the past week. Be prepared for a pop quiz which is part of the participation.

Credit for missed classes will be offered only if you email me prior to your absence and only for extended periods of business/military travel, medical issues or family-related emergency. Documentation will be required. Absences due to personal trips/vacations, car troubles, oversleeping, work schedule issues, checkrides, etc., are not eligible for consideration. Note: arrive late and you may miss a quiz, for which there is no makeup. If you can't make it to one section of the class, you are welcome to attend the other. Please let me know in advance so I can give you credit for attending the other section.

**Presentations:** Shorter informal presentations and longer presentations will be assigned. Your topic(s) must be approved by the instructor. You will present a specific air transportation topics to the class. PowerPoint or Open/Libre Office in combination with appropriate multimedia material is recommended. These will be presented in class and submitted in the same manner as the homework.

**Mid-Term & Final Exams:** An opportunity for extra credit will be offered to those who score below 70% on the Mid-Term exam. No extra credit opportunity will be offered for the Final exam. The Final exam will be comprehensive unless otherwise advised.

**Computer and E-mail Access Required:** You will be using a computer to conduct research, write reports, and access class materials in the class web area.

1. You must be able to receive emails at the address in your slcc mypage profile. Check that it is correct! I cannot change it for you or send announcements to a different address, so it must be right or you will miss important information.
2. If you have trouble with your student account, call the SLCC IT help desk at 957-5555 or email them at [help.desk@slcc.edu](mailto:help.desk@slcc.edu)
3. You must know how to create and submit your work as a PDF. All current document editors have that built in and it is very easy. We will go over this in class.
4. Check your email every day for new announcements, assignments, and other important information.
5. Some assignments must be printed out and handed in, so you need a printer.
6. Free computer and printer access is available at several campuses including South City and Taylorsville.
7. You don't need to buy expensive software! You can get a great office suite for FREE: Libre Office. I use it and so do millions of other people: <http://www.libreoffice.org/> Note: it is a big download but the wireless at SLCC is fast, so download it there if you can.

**Help with Writing:** There are free, drop-in Writing Centers where you can get help with writing and presentations: <http://www.slcc.edu/swc/>

**Course Schedule:** We will be covering Air Transportation in a roughly chronological order, so we will be skipping around a bit through the topical organization of the book. This schedule will change (in part due to some guest speakers whose schedule is not final) – the most current version will be online at the class web site so check there for the most current version.

**PRELIMINARY – WILL CHANGE!**

Week	Date	Topic	Chapters
1	Aug 23	Meet & greet, Introduction, syllabus review, early/LTA craft	1
2	Aug 30	Development of the airplane & helicopters, HTA	2, 3
3	Sep 06	HTA development up to Lindberg	4
4	Sep 13	Commercial Air Transport Develops, Federal Legislation, Regulation, De-regulation	5, 10
5	Sep 20	Legislation finish, Black Sky X-Prize Part 1 Quarter-Term Test (counts as assignment)	6, 7
6	Sep 27	DOT, FAA, NTSB Project start Safety and accidents: NTSB, Accident stats. Pre Mid Term Test homework, due next week	8, 9
7	Oct 04	Sub or no class (I will be at Oracle OpenWorld/JavaOne) <b>Mid Term (individual &amp; team)??</b> <b>TSA guest speaker Michelle Spencer (TBD)??</b>	
8	Oct 11	Fall Break Oct 11-13 per <a href="http://www.slcc.edu/academiccalendar/">http://www.slcc.edu/academiccalendar/</a>	
9	Oct 18	Domestic carriers and Orgs... Int'l Law, Orgs, Carriers Substitute or NTSB report prep time? I am supposed to be gone.	11, 16-20
10	Oct 25	NTSB presentations/reports,	12 13 14
11	Nov 01	Finish Int'l orgs etc. Guest Speaker: crash survival (TBD)	
12	Nov 08	Current Aircraft and Helicopters. Pick final project topic.	21 – 25
13	Nov 15	VLJ, GA, New Technology, Black Sky X-Prize Part 2	27
14	Nov 22	Thanksgiving Nov 22-24 per <a href="http://www.slcc.edu/academiccalendar/">http://www.slcc.edu/academiccalendar/</a>	
15	Nov 29	Space: tourism, NASA privatization	15, 26
16	Dec 06	Final Presentations, Final Review. MT makeup due.	
17	Dec 13	<b>Final Exam: Times TBD</b> Written & actual survival kits due (extra credit)	

**Student Code of Conduct:**

You are expected to follow the SLCC Student Code of Conduct found at <http://www.slcc.edu/policies/docs/stdcode.pdf>

**Accommodation:**

Students with medical, psychological, learning or other disabilities desiring accommodations or services under ADA, must contact the Disability Resource Center (DRC ). The DRC determines eligibility for and authorizes the provision of these accommodations and services for the college." Please contact the DRC at the Student Center, Suite 244, Redwood Campus, 4600 So. Redwood Rd, 84123. Phone: (801) 957-4659, TTY: 957-4646, Fax: 957- 4947 or by email: [linda.bennett@slcc.edu](mailto:linda.bennett@slcc.edu)