

GREEN RIVER COMMUNITY COLLEGE

Aviation 208 Aircraft Dispatch Fall 2009 5.0 Credits

Instructor: George Comollo
Phone: 253-833-9111 ext. 4336
Office Hours: 10 – 11 am MWF – 8 – 9 am TTH
TC 134
E-mail: gcomollo@greenriver.edu
Web Site : www.instruction.greenriver.edu/aviation
Course Section: A

Course Description:

This class covers the subjects required by FAR Part 65 for the Airline Dispatcher Course. It completes the requirements necessary to graduate the student and includes subjects in aircraft performance, federal regulations, flight planning, and aircraft systems.

Course Objective:

An individual will gain the necessary skill and comprehension of those aeronautical subjects specified in Federal Aviation Regulations Part 65 for the Aircraft Dispatcher Certificate.

Course Completion Standards:

The individual must attend class a minimum of 200.0 hours (excluding examinations) and successfully complete all blocks with a minimum passing grade of 80% in each block. Final determination to take the practical exam will be up to the instructor teaching the course and based on his/her own discretion.

Course Structure:

This course is structured into four distinct 50.0 hour blocks:

Block 1	Aviation Weather
Block 2	Instrument Flight Operations
Block 3	Air traffic Control and Communications
Block 4	Aircraft Dispatcher

Each block is taken separately and block 4 must be taken last. Block 4 contains a final examination covering all course material.

Credit for Previous Experience:

The chief instructor may evaluate an individual's previous experience or training, and where the training is provable and comparable to portions of the approved course curriculum, may as each individual case warrants, allow credit for such.

Graduation:

Upon successful completion of all four blocks of instruction, an individual will graduate and be presented with a graduation certificate. The FAA practical test must be taken within 90 days of date of graduation. FAA form 8400-3 required for FAA practical will be signed by the instructor upon successful evaluation of the student's ability to pass the practical exam.

Required Course Materials:

Each course participant is required to have the specified course materials for each block of instruction as each block of instruction begins. All course materials are available in the Green River Community College Bookstore.

The dispatch block requires:

Dispatch Manual (printed by the bookstore), make sure you get a binder for it.

Jeppesen Chart Train

Calculator

Plotter or any other straight edge

Flight Computer

Electronic Recorder

Age Requirements:

To be eligible for an Airline Dispatcher Certificate, a person must be at least 23 years of age and be able to read, speak and understand the English language. A person who is less than age 23, but no less than 21 may complete all requirements and take the practical test and be issued a letter from the Federal Aviation Administration which can be presented on that person's 23rd birthday for issuance of the certificate. You must be 21 to take the FAA written test.

Course Outline:

Boeing 737-400 systems

Federal Aviation Regulations

Part-25

Part-65

Part-121

Part-119
SFAR-38-2

Large Aircraft Weight & Balance

Aircraft Performance and Limitations

Practical Dispatching

FAA practical exam rehearsal

Student Code of Conduct:

Refer to GRCC Student Handbook (2006-2008) pages 215-224

Attendance:

This course requires nearly perfect attendance. Any day missed will cause you to miss a step in the process by which you need to pass this course. This particular class is very strictly scrutinized by the FAA; therefore there is very little room to play with. It is imperative that you address the possibility of missing days with the instructor.

Any missed day will not be covered again by the instructor and it is up to the student to catch up. Please set-up a “buddy” system to help you with any missed assignments.

“DON’T BE LATE” Consistent tardiness will result in the reduction of one letter grade.

It is recommended that each class lesson be recorded by the student

Exams:

All exams must be taken on the assigned date. Unless a prior arrangement is agreed with the instructor, a no-show will be considered a failing grade for that particular exam. This conforms to The Campus Wide Outcomes outlining Student’s responsibilities.

Makeup Examinations/Quizzes:

Makeup examinations/quizzes are provided for excused absence only. The student is responsible to coordinate with the instructor to take any examination or quiz missed. If an examination/quiz is not made up the student WILL NOT receive credit for that examination/quiz in the computation of the final grade (it will be designed a grade of “0” in the computation). All examinations/quiz materials will be retained by the instructor.

Instructional Procedures:

Lecture, powerpoint presentations, computer data projection and study assignments using in-class computer.

Campus wide Outcomes:

Green River Community College has identified ability areas that we believe encompass knowledge and are the most important skills, behaviors, attitudes, and values that students will need in order to be successful after leaving the college. Among these ability areas, this class will address Responsibility, Quantitative/Symbolic Reasoning, Critical Thinking, and Written and Oral Communications. Outcomes in these ability areas and where they will be demonstrated in you work are listed below.

Responsibility:

1. Student demonstrates a knowledge of and a willingness to accept stated/agreed upon
Expectations, policies, behavior, and procedures.
2. Student demonstrates accountability (punctual and ready to learn), integrity (does own
work and pulls own weight in collaborative tasks), initiative (seeks help when
needed), and tolerance (develops awareness of own biases).
3. Student actively and appropriately interacts with others respecting everyone's
opinion.

Demonstrated by preparedness for lectures and discussions, handing assignments in on time, and group accountability.

Quantitative/Symbolic Reasoning:

1. Student evaluates and interprets information/data.
2. Student recognizes which processes or methods are appropriate for solving a
given problem, and correctly implements those processes.
3. Student demonstrates the ability to estimate a solution in a presented problem.
4. Student translates data into various formats such as graphs, tables, formulas,
and sentences.

Demonstrated through your answers in class, on projects, homework, and tests.

Critical Thinking:

1. Student provides reasons for the conclusions they reach and assess the
relevance and
adequacy of those reasons.
2. Student connects past learning with current topics.

Demonstrated through your explanations in class, on projects, assignments, and tests.

Written & Oral Communications:

1. Student demonstrates involvement with the material by expressing a clear sense of purpose, unity, and focus in their writing or speaking.
2. Student demonstrates clear organization of their thoughts in written and oral communications.
3. Student demonstrates well-organized and logical writing with correct grammar and spelling.

Demonstrated in projects, test answers, and class and group participation.

Special Needs:

If you need course adaptations or special accommodations because of a disability, if you have emergency medical information, or if you have special accommodations that need to be shared with me in the event that the building needs to be evacuated, please contact me. If you use an alternate medium for communicating please let me know as soon as possible so that appropriate accommodations can be made. Disability support services is located in LSC 277 and may be contacted at: 253-833-9111, ext. 2631 or TDD at 253-288-3359.

Evaluation:

System test	100 points
Regulation test	200 points
Performance/limitation tests	100 points (flight plan form)
Minimums test	100 points
Flight planning test	100 points
Final	<u>100 points</u>
Total	700 points

Grading Policy:

99-100	4.0	79	2.4
97-98	3.9	78	2.3
95-96	3.8	77	2.2
93-94	3.7	76	2.1
91-92	3.6	75	2.0
90	3.5	74	1.9
89	3.4	73	1.8
88	3.3	72	1.7
87	3.2	71	1.6

86	3.1	70	1.5
85	3.0	69	1.4
84	2.9	68	1.3
83	2.8	67	1.2
82	2.6	66	1.1
81	2.6	65	1.0
80	2.5	64	0.9
		63	0.8
		62	0.7

Class Notes:

- Cell phones will not be allowed to be “ON” in class.
- Chatting or laughing about subjects other than those pertaining to class will not be tolerated. Please respect your fellow students.
- If you are late, please come in quietly and sit at your station.
- Browsing the internet while a lecture or other instructional activity is in progress will not be permitted.
- No food will be allowed in the classroom.
- Avoid surfing the internet while lecture is in progress
- There will be no use of computers while lecture is in progress unless computer use is necessary

It will be up to the student to review the following materials at the beginning of the quarter.

Review:

- Read and understand METAR
- Read and understand TAF
- Read and Understand Winds Aloft
- Review true course/ lines of variation/ magnetic courses
- Convert between true course and magnetic course and vice versa
- Review and understand true airspeed, groundspeed
- IFR charts, approach plates, minimum section
- Jeppesen IFR Charts

Very little time will be given to these topics; it is assumed that you already know these. Please review to make the class easier.

Experience has shown that it takes about an hour of review outside of class for every hour of class lecture.

The class is taught as preparation for a real job, therefore it is taught as it would be in an airline environment as well as to pass the practical exam.