

## Aviation 111 - Private Pilot Ground School

Tues & Thurs – 6:00 – 8:30 PM

Main Campus TC 110

Instructor: Paul Vandette  
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Office Hours: Main Campus, Room 110  
5:30 to 6:00 PM and 8:30-9:00 M, T, W, Th

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Credits: 5

### Course Description:

AVIA 111 covers the necessary aeronautical knowledge and meets the prerequisites specified in Part 61 of the Federal Aviation Regulations for the Private Pilot Certificate. At the completion of each chapter of the class text, students will take a Chapter exam, and at the end of the class, a comprehensive Final Exam. See page two for the topical aviation information the class covers.

### Materials for AVIA 111:

Text: The Complete Private Pilot, 10<sup>th</sup> Edition, Bob Gardner  
ASA Test-Prep Private Pilot 08 (ASA-TP-P-08)  
Materials: Seattle Sectional Chart  
E6-b Flight Computer (Manual)  
Navigation Plotter  
FAR/AIM

### Other

- FAA publications available via the internet:
  - [www.faa.gov/library/manuals/aircraft/](http://www.faa.gov/library/manuals/aircraft/) (for FAA flying manuals)
  - [www.faa.gov/atpubs/](http://www.faa.gov/atpubs/) (for other FAA publications)
  - [www.aviationweather.gov](http://www.aviationweather.gov) (for weather information)

### Learning Objectives:

The student will obtain the necessary aeronautical knowledge and meet the prerequisites specified in Part 61 of the Federal Aviation Regulations (FAR) for the Private Pilot Ground School certificate and that satisfy Part 141 Ground School requirements.

### Instructional Methods and Conduct of the Class

This class is primarily a lecture class complimented with in-class exercises and discussions and quizzes. After each Chapter, students will take closed-book test to measure student learning, as a review of material the class has already covered, and to prepare the student for the FAA PPKT and for Private Pilot Flight Training. At the end of the class, students will also take a final comprehensive final examination that covers all the material covered in the entire course

### Homework:

Homework includes reading, problem solving and project work. Homework depends on student progress to some degree, so assignments may change. Normally, reading the material before class, then having a “post-class study session” to review the information

we cover in class, and finally, conducting regular “self-testing” using the Test Guide will suffice. Occasionally, some students may need more study to prepare for the tests

**Student Code of Conduct:**

Refer to GRCC catalog (2006-2008) pages 215-224

**Course Outline:**

We will cover the material for the class following this list of topics in this order.

	Tues & Thurs	
Week 1	Chapter 1	Aerodynamics
Week 2	Chapter 2	Airplane Systems
Week 3	Chapter 3	Flight Instruments
Week 4	Chapter 4	Regulations (plus Airspace)
Week 5	Chapter 5	Procedures and Airport Operations
Week 6	Chapter 6	Weather
Week 7	Chapter 7	Weather Services
Week 8	Chapter 8	Aircraft Performance
Week 9	Chapter 9	En-route Flight
Week 10	Chapter 10	Navigation
Week 11	Chapter 11	Communications Procedures
		Final Examination

Part 141 completion: Requires 80% on each individual test. Three re-takes are allowed for the entire course; retakes are capped at 80% max, but the final cannot be retaken. You will receive a graduation certificate to take FAA exam. Attendance is required.

Part 61 completion: Requires 70% on each individual test. Retakes available. You will receive an instructor endorsement to take FAA exam.

**Evaluation Standards, Grading & Academic Honesty:**

Evaluation for grade will be via Weekly Tests and the Final Exam. Evaluation for recommendation for work will be the total effort the student makes in class along with the evaluation tools. Tests and the Final Examination constitute 100% of the Final Grade. The minimum overall percentage for passing the GRCC class is 65%. Cheating in any form is grounds for getting a zero score for the test and the student can not retake the test.

**Testing, Test Make-up, Retakes, & Grading**

Students will receive ample warning of upcoming tests. Tests will be in-class closed book. Testing Scoring for Grade is as follows:

*Scheduled Day	1 to 7 days after * or 2 <sup>nd</sup> attempt	8 to 14 days after * or 3 <sup>rd</sup> attempt	15 to 21 days after *
Max Score 100%	95%	85%	75%
*Make-ups/Retakes must be within 21 days of the scheduled day to count for score			

**Tests:**

9 tests @ 100 points each =	900
Simulator Attendance and completion of work	200 (40 points per hour)
Final Test @ 200 points	<u>200</u>
	1300 points

**Simulator Requirements:**

5 total hours:

- 1 hour – Basic flight controls and instrument orientation
- 1 hour – Basic flight maneuvers (slow flight, stalls, and steep turns)
- 2 hours – Basic radio navigation
- 1 hour – Basic cross- country flight

Last day for Sim Training is March 16<sup>th</sup> at 23:59hrs

**Attendance/Absence/Tardiness Policy:**

Attendance is expected. Any absence must be approved by the instructor. Students will find that their academic standing in a situation where absences are incurred is jeopardized. However, students WILL NOT be penalized because of sickness/emergency or college approved absence. An absence will not excuse a student from completing all prescribed class and course requirements. One point from your final grade will be deleted for each unexcused class absence. Students who are habitually late or absent from class may be penalized the class participation percentage of their final grade.

**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. Any exam taken late, will be penalized 10 points for every late day.

**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.

**GRCC decimal grading scale**

%	GRCC	%	GRCC	%	GRCC	%	GRCC
100	4.0	90	3.5	80	2.5	70	1.5
99	4.0	89	3.4	79	2.4	69	1.4
98	3.9	88	3.3	78	2.3	68	1.3
97	3.9	87	3.2	77	2.2	67	1.2
96	3.8	86	3.1	76	2.1	66	1.1
95	3.8	85	3.0	75	2.0	65	1.0
94	3.7	84	2.9	74	1.9	64	0.9
93	3.7	83	2.8	73	1.8	63	0.8
92	3.6	82	2.7	72	1.7	62	0.7
91	3.6	81	2.6	71	1.6		

## **Notes:**

- Cell phones must be silenced during class. No texting.
- 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. One letter grade will be deducted from grade if caught playing or doing work not related to class.
- No food will be allowed in the classroom.

## **GRCC Campus-wide Outcomes:**

Green River Community College (GRCC) identified specific fundamental knowledge, skills, behaviors, attitudes, and values that GRCC students must possess to be successful after leaving the Green River Community College environment:

1. Student's sense of individual responsibility to the community
  - Demonstrate knowledge of and willingness to accept stated/agreed expectations, policies, behavior, and procedures.
  - Demonstrate accountability (be punctual, prepared, ready to learn), integrity (do your own work, do your share of shared work), initiative (seek help when you need help), and tolerance (be awareness of your own biases). Actively and appropriately interact with others while respecting everyone's opinion.
  - Measured by occurrences of student readiness for class, participation in class, timely assignment submissions, and effective group membership.
2. Quantitative and symbolic reasoning
  - Student can evaluate and interpret information and data, can recognize which processes or methods are appropriate for solving a given problem, can estimate a solution, and correctly implements those processes.
  - Student can translate data into various formats such as graphs, tables, formulas, and sentences.
  - Measured by student work in class, on projects, homework, and tests.
3. Critical Thinking:
  - Student provides reasons for the conclusions he or she reaches and assesses the relevance and adequacy of those reasons.
  - Student connects past learning with current topics.
  - Measured by student work in class, on projects, homework, and tests.
4. Written & Oral Communications skills suitable for the modern business environment
  - Student becomes involved with the material and can express a clear sense of purpose, unity, and focus in his or her writing or speaking.
  - Student can organize of his or her thoughts in written and oral communications clearly and effectively using well-organized, logical writing and using correct grammar and spelling.
  - Measured by student work in projects, test answers, and class and group participation

## **Special Needs:**

If, because of a disability, the student:

- Needs special accommodations (adapt a course activity, have additional assistance, etc.),
- Has emergency medical information the instructor should know about, or
- Has a need for special assistance in the event of a building evacuation,

Please contact the Instructor and be sure the instructor fully understands the special need. Students may use alternate modes to communicate Special Needs information (email, phone). In any case, and using any format, students should inform the Instructor as soon as possible after the start of school.

**Students should also contact Disability Support Services (DSS) in LSC 277 –  
Phone DSS at: 253-833-9111, ext. 2631 or TDD at 253-288-3359.**