# *Sugar Valley Aviation Ground School*

**Few of the many activities one could choose can match the exhilaration, challenges, and rewards of flying.** One of the first steps in learning to fly is taking "ground school"— your preparation for the world of flight! **Sugar Valley Airport offers ground school *online, free of charge*** as a service to the aviation community.

This course is **unique** in that participants get to ask questions in *real time* and learn from others in the enthusiastic aviation community. The course is taught by two certificated pilots with advanced ground instructor ratings who are experienced aviation educators. The suggested textbook is *Rod Machado's Private-Commercial Pilot Handbook*, supplemented by *Gleim Private Pilot FAA Knowledge Test Prep* book, or the FAA's textbooks can be used instead: *Pilot's Handbook of Aeronautical Knowledge, Airplane Flying Handbook,* and *Aviation Weather Handbook*. In this 12-week online course with 2.5-hour classes, students will learn about the following (covering both Private and Sport Pilot topics) shown below:

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| **Nov 6** | *Parts of the Airplane, Aerodynamics*, 6:50 – 9:30 p.m. |
| **Nov 13** | *Airplane Engines, Electrical Systems*, 6:50 – 9:30 p.m. |
| **Nov 20** | *Flight Instruments,* 6:50 – 9:30 p.m. |
| **Dec 4** | *Federal Aviation Regulations,* 6:50 – 9:30 p.m. |
| **Dec 11** | *Airport Operations, Radio Communication*, 6:50 – 9:30 p.m. |
| **Dec 18** | *Airspace, Aviation Charts,* 6:50 – 9:30 p.m. |
| **Jan 8, '27** | *Electronic/Radio Navigation,* 6:50 – 9:30 p.m. |
| **Jan 15** | *Understanding Weather*, 6:50 – 9:30 p.m. |
| **Jan 22** | *Weather Services, Charts, and Briefings*, 6:50 – 9:30 p.m. |
| **Jan 29** | *Flight Planning*, 6:50 – 9:30 p.m. |
| **Feb 5** | *Airplane Performance Charts, Weight and Balance,* 6:50 – 9:30 p.m. |
| **Feb 12** | *Aeromedical Factors, Aeronautical Risk Management,* 6:50 – 9:30 p.m. |

This online course is for aspiring pilots, certificated pilots who'd like to refresh their knowledge, and folks who'd just like to know more about flying and aviation operations.

## *Next session starts November 6, 2026, at 6:50 p.m.*

For more information, go to https://www.sugarvalleyairport.org/aviation-ground-school.html or call below.
To register, call (336) 409-6796 or email Sandra Smith, AGI, at SmithSL752@gmail.com.