



# SPRING 2019

## \*Tentative\* Class Schedule

Snohomish County Airport / Paine Field (425) 388-5125 Ext: 7

[www.wpaflys.org/aviation\\_academy.html](http://www.wpaflys.org/aviation_academy.html)

**NOTE: Times are subject to change. Check email or Facebook group page for updates.**

Week One	
<p><u>April 22</u> 7 PM to 8:30 PM Monday</p>	<p><b><u>Aviation Academy Welcome</u></b> <i>Introduction to the Aviation Academy. Review class materials, schedule and homework assignments. Proceed with the "Aviation and You" presentation.</i></p>
<p><u>April 24</u> 7 PM to 8:30 PM Wednesday</p>	<p><b><u>4 Forces of Flight</u></b>    <b>Read: Module 1, Pgs 1-14, 31-34, 38-42; Module 2, Pgs 12-18</b> <i>Aircraft motion and control, basic flight maneuvers, landings and stalls. (Lift - Weight - Thrust - Drag) and Flight Instruments.</i></p>
<p><u>April 27</u> 9 AM to 1 PM Saturday Meet at Museum of Flight Restoration Center</p>	<p><b><u>Tour of Paine Field Airport</u></b>    <b>Read: Module 2, Pgs 24-25</b> <i>This is a "behind the scenes" look at airport operations. Tours include the airport facilities, Fire Department, and the Museum of Flight's Restoration Center and flight schools.</i></p>
Week Two	
<p><u>April 29</u> 7 PM to 8:30 PM Monday</p>	<p><b><u>Props and Power</u></b>    <b>Read: Module 2, Pgs 1-10</b> <i>Power for flight, propellers, turbines, ramjets, aircraft systems and speculation on engines of the future.</i></p>
<p><u>May 1</u> 7 PM to 8:30 PM Wednesday</p>	<p><b><u>Air Traffic Control</u></b>    <b>Read: Module 2, Pgs 24-37</b> <i>Air Traffic Control System and airspace. Review non-tower and tower controlled airports, Air Route Traffic Control, Approach and Departure Control.</i></p>
<p><u>May 4</u> TBD Saturday</p>	<p><b><u>Tour TBD – Possibly Future of Flight</u></b> <i>If we are able, we will take a look at the Future of Flight and see how large commercial airplanes are put together at the Boeing Company.</i></p>

<b>Week Three</b>	
<p style="text-align: center;"><u>May 6</u> 7 PM to 8:30 PM Monday</p>	<p style="text-align: center;"><u>Weather</u> <span style="float: right;">Read: Module 3, Pgs 1-37</span></p> <p><i>Earth's atmosphere, heat and temperature, wind, fog, dewpoint, clouds, air masses and fronts. Knowledge of weather is critical to any "go or no-go" decision.</i></p>
<p style="text-align: center;"><u>May 8</u> 7 PM to 8:30 PM Wednesday</p>	<p style="text-align: center;"><u>Careers in Aviation</u></p> <p><i>This is your night! We will assemble as many experts from as many aviation fields as we can. They are here to answer any and all questions about careers in aviation.</i></p>
<p style="text-align: center;"><u>May 11</u> 10 AM to 12 PM Saturday <a href="#">Meet at Historic Flight Foundation</a></p>	<p style="text-align: center;"><u>Historic Flight Foundation</u></p> <p><i>A look at the collection of airplanes and memorabilia including "Grumpy" B-25D Mitchell, a Grumman Bearcat, a P-51 and many more at the Historic Flight Foundation.</i></p>
<b>Week Four</b>	
<p style="text-align: center;"><u>May 13</u> 7 PM to 8:30 PM Monday</p>	<p style="text-align: center;"><u>Navigation and Charts</u> <span style="float: right;">Read: Module 2, Pgs 38-45</span></p> <p><i>The science of navigation, and the earth's reference system as it applies to Sectional Chart Navigation (pilot maps). The study will include wind correction and magnetic deviation.</i></p>
<p style="text-align: center;"><u>May 15</u> 7 PM to 8:30 PM Wednesday</p>	<p style="text-align: center;"><u>Cross Country Flight Planning</u></p> <p><i>Review Sectional charts in preparation for the "fly-out" on Saturday. <b>Note: The Young Eagles form must be on file in order to participate on Saturday!</b></i></p>
<p style="text-align: center;"><u>May 18</u> 9:00 AM to 4 PM Saturday Coincides with Aviation Day @ Paine Field Flight Times TBD</p>	<p style="text-align: center;"><u>Graduation and Flights</u></p> <p><i>Weather permitting, students will be assigned to volunteer pilots and their airplanes from the Washington Pilots Association for a flight around the Puget Sound area.</i></p>