

# Class Syllabus

1.	Introduction & class necessities	Machado	Handbook	
2.	Aerodynamics	2	1, 3, 4	
3.	Aircraft Systems	1, 3, 4	2, 5, 6	
4.	Flight Instruments	5	7	C
5.	Regulations	6	1, 8, 17, faa.gov	H
6.	Procedures & Airport Operations	7	13, A1	A
7.	Communications	8	13	P
8.	Airspace	9	14	T
9.	Map reading	10	15	E
10.	Weather	12	11	R
11.	Weather Services	13	12	S
12.	Aircraft Performance	15, 16	8, 9, 10	
13.	Navigation	11	15	
14.	Flight Planning	14	16, 17	
15.	Review	(17)		

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## Study buddy – select categories

<b>6</b> Advisory Circulars <i>4 questions</i>	<b>14</b> Cross-Country Flight <i>38 questions</i>	<b>13</b> Radio Aids to Navigation <i>30 questions</i>	<b>6</b> Safety of Flight <i>26 questions</i>
<b>2</b> Aerodynamics of Stalls and Spins <i>5 questions</i>	<b>6</b> Emergencies <i>3 questions</i>	<b>7</b> Radio Communications <i>36 questions</i>	<b>8</b> Types of Airspace <i>35 questions</i>
<b>3</b> Aircraft Flight Controls <i>11 questions</i>	<b>2</b> General Aerodynamics <i>22 questions</i>	<b>5</b> Regulations under FAR Part 1 <i>12 questions</i>	<b>4</b> Vacuum System and Gyroscopic Instruments <i>4 questions</i>
<b>12</b> Aircraft Performance <i>37 questions</i>	<b>6</b> General Airport Operations <i>32 questions</i>	<b>5</b> Regulations under FAR Part 39 <i>2 questions</i>	<b>6</b> Wake Turbulence Avoidance <i>9 questions</i>
<b>3</b> Aircraft Systems <i>5 questions</i>	<b>11</b> Hazardous Weather <i>28 questions</i>	<b>5</b> Regulations under FAR Part 43 <i>5 questions</i>	<b>11</b> Weather Briefings <i>14 questions</i>
<b>12</b> Aircraft Weight and Balance and Stability <i>18 questions</i>	<b>4</b> Magnetic Compass <i>9 questions</i>	<b>5</b> Regulations under FAR Part 61 <i>30 questions</i>	<b>11</b> Weather Forecasts and Prognostics <i>29 questions</i>
<b>10</b> Basic Weather Theory <i>31 questions</i>	<b>6</b> Operations at Tower Controlled Fields <i>6 questions</i>	<b>5</b> Regulations under FAR Part 71 <i>2 questions</i>	<b>11</b> Weather Reports and Observations <i>24 questions</i>
<b>9</b> Charts and Publications <i>24 questions</i>	<b>4</b> Pitot-Static System and Instruments <i>37 questions</i>	<b>5</b> Regulations under FAR Part 91 <i>122 questions</i>	
<b>6</b> Collision Avoidance <i>13 questions</i>	<b>3</b> Powerplant <i>32 questions</i>	<b>5</b> Regulations under NTSB 830 <i>7 questions</i>	

**Class numbers.**

## **Pilot's Handbook of Aeronautical Knowledge**

- View or download for free:
  - [http://www.faa.gov/regulations\\_policies/handbooks\\_manuals/aviation/pilot\\_handbook/](http://www.faa.gov/regulations_policies/handbooks_manuals/aviation/pilot_handbook/)
- Does not have regulations
  - <https://www.youtube.com/watch?v=vVKjdmP3Xso>
  - <https://www.youtube.com/watch?v=bXDg5ygxDME>
  - [www.faa.gov](http://www.faa.gov) Regulations & policies
    - Parts 1, 61, 67, 91

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