

RPL Theory – Part Time Vet Students

| Session number | Topic/s | Pre-reading (BEFORE class) ATC BAK text book | Materials to bring to class | Homework |
|----------------|---|--|-----------------------------|--|
| 1 | <ul style="list-style-type: none"> • <u>Air Law</u> (L1 BAK1 pg1-16 & L14 BAK2 pg15-29) • <u>Meteorology</u> (L3 BAK1 pg32-47) | <ul style="list-style-type: none"> • Chapter 5 → Air Law: Rules and procedures of flight • Chapter 9 → Introduction to Meteorology | Logbook ERSA AIP | BAK1 pg17-18 and pg48-50 |
| 2 | <ul style="list-style-type: none"> • <u>Aerodynamics</u> (L6 BAK1 pg85-99 & L8 BAK1 pg124-139) | <ul style="list-style-type: none"> • Pg 196-212 → Aerodynamics, drag • Pg 218-230 → Straight and level, climbing, descending, turning • Pg 14-23 → Stability and control | ERSA | BAK1 pg100-103 and pg140-142 |
| 3 | <ul style="list-style-type: none"> • <u>Aerodynamics</u> (L9 BAK1 pg142-158 & L18 BAK2 pg58-64) • <u>Radiotelephony</u> (L4 BAK1 pg51-65) | <ul style="list-style-type: none"> • Pg 232-248 → Stalling, spins, spiral dives, Take off, Landing • Pg 257-259 → Taxiing, Take off, initial climb • Pg 267-271 → Wake turbulence, Helicopter turbulence, Thrust stream turbulence • Chapter 2 → Communications • Ersa → Emergency procedures | AIP ERSA | BAK1 pg159-161 BAK2 pg65-66 BAK1 pg66-68 |
| 4 | <ul style="list-style-type: none"> • <u>Human Factors</u> (L10 BAK1 pg 162-175, L21 BAK2 pg94-109, L23 BAK2 pg113-126) | <ul style="list-style-type: none"> • Chapter 8 → Introduction to Human Factors | | BAK1 pg176-178 BAK2 pg110-112 and pg127-129 |
| 5 | <ul style="list-style-type: none"> • <u>Aircraft General Knowledge</u> (L2 BAK1 pg19-28 & L7 BAK1 pg104-120) | <ul style="list-style-type: none"> • Chapter 3 → Aviation Terminology, Abbreviations, Units and rules of thumb • Pg 74 → Flaps • Pg 84-92 → Carburettor, abnormal combustion, carburettor and induction icing • Pg 126-133 → Pressure instruments | ERSA POH | BAK1 pg29-31 and pg121-123 |

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| | | <ul style="list-style-type: none"> Pg 213-217 → Control, Balance and trim Pg 382 → V speed definitions | | |
| 6 | <ul style="list-style-type: none"> <u>Aircraft General Knowledge/ Systems</u> (L11 BAK1 pg179-195 & L13 BAK2 pg1-11) | <ul style="list-style-type: none"> Pg 77-122 → Ignition system, exhaust system, engine lubrication, fuel system, electrical system | | BAK1 pg196-198 BAK2 pg12-14 |
| 7 | <ul style="list-style-type: none"> <u>Aircraft General Knowledge/ Systems</u> (L15 BAK2 pg30-38 & L20 BAK2 pg82-93) | <ul style="list-style-type: none"> Pg 118-125 → Electrical system, hydraulic system Pg 134-138 → Gyroscopic instruments Pg 52 → Emergency Locator Transmitter Pg 178-180 → Accident/Incident, SARTIME | | BAK2 pg39-41 |
| 8 | <ul style="list-style-type: none"> <u>Performance</u> (L5 BAK1 pg69-84) <u>Flight Instruments</u> (L16 BAK2 pg42-54 & L19 BAK2 pg67-78) | <ul style="list-style-type: none"> Chapter 11 → Performance Pg 126-142 → Flight Instruments Pg 85-88 → Mixture Control | | BAK2 pg55-57 and pg79-81 |