



## JAR Private Pilot Licence (Helicopter) Training Course

The JAR (Joint Airworthiness Regulations) Private Pilot Licence (PPL(H)) is a private licence which enables you to fly as pilot in command or co pilot for recreational purposes but not for remuneration. This summary is intended to offer informal guidance about the PPL(H), and a brief introduction to London Helicopter Centres. Once you have read this please contact about any further question that you may have, or alternatively take the opportunity to come and visit our facilities and meet our instructors.

London Helicopter Centres originally started as an aviation engineering company in 1991. Following our success in becoming the first JAR 145 approved company in 1992, we started flight training in 1994 and were one of the first companies to be approved for JAR training in 2000. We are an approved Flight Training Organisation (FTO) and Type Rating Training Organisation (TRTO), offering commercial flight training, flight instructor training as well as type rating conversions on twelve types of helicopter.

### How to get started

#### *Initial Flying Lessons*

This is the first chance to experience the sensation and exhilaration of flying a helicopter. This short sortie incorporates a full 30 minute pre flight briefing to explain the principles of flight and the controls of the aircraft. Once airborne, your instructor will demonstrate each of the controls before inviting you to take each of them yourself. This is the initial stage of learning to fly; the flight time can be logged towards your licence. Flying Lessons are ideal for anyone interested in flying or who wishes to undertake a flying course. The R44 is essential for those over 6' 6" (1.98m) or over 15 Stone (108kg).

#### **Introductory/Initial Flying Lesson Voucher (valid for 12 months)**

| <b>R22 Trial Lesson</b> |      | <b>R44 Trial Lesson</b> |      |
|-------------------------|------|-------------------------|------|
| 30 Minutes              | £165 | 30 Minutes              | £270 |
| 45 Minutes              | £220 | 45 Minutes              | £360 |
| 60 Minutes              | £275 | 60 Minutes              | £450 |

#### *Discovery Day*

The Flight Discovery Day provides a thorough introduction to the initial stages of learning to flying. The day comprises of two hours briefing and two hours flying covering the effects of the controls, power and altitude changes, turns, climbing, descending and hovering; once again this time can be logged towards a PPL(H). Share the experience in the R44 with two spare seats for family and friends. The R44 is essential for those over 6' 6" (1.98m) or over 15 Stone (108kg).

#### **Flight Discovery Day Voucher (valid for 12 months)**

| <b>R22 Discovery Day</b> |      | <b>R44 Discovery Day</b> |      |
|--------------------------|------|--------------------------|------|
| Discovery Day            | £520 | Discovery Day            | £890 |
| Discovery Day plus       | £540 | Discovery Day plus       | £910 |



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## **The PPL(H) Course**

### ***Course requirements***

The particular course requirements must be met in full and include:

- The applicant for a PPL(H) shall be at least 17 years of age
- Hold a valid class One or Two medical
- Pass the required theoretical examinations

The flight instruction shall comprise of at least 45hrs of flight training of which:

- 25hrs must be dual instruction
- 5hrs Instrument dual instruction
- 10hrs of supervised solo, of which 5hrs must be solo cross country including one cross-country flight of at least 100nms.

The PPL(H) course consists of 27 training exercises, which are split into three categories: general handling, navigation and instrument flying. For a full list of the exercises covered please see appendix 1.

The courses are conducted at our Redhill base in Surrey and tuition is predominantly undertaken on the R22; combined with our highly experienced commercial instructors and the superb helicopter training facilities at Redhill Aerodrome we are particularly well suited to providing pilot training in the minimum time whilst delivering value for money.

### **PPL(H) ground school**

All applicants are required to pass the written theoretical examinations in the following subjects:

1. Aviation Law and Operational Procedures
2. Human Performance and Limitations
3. Navigation and Radio Aids
4. Meteorology
5. Aircraft (general) and Principles of Flight
6. Flight Performance and Planning
7. Radio Communications written and Oral

The preparation for these exams is through self-study of recommended books (see appendix 2) and also through the pre flight training briefings, further ground school tuition is available on request from your instructor. Ground exams fees are £20 per exam.

### **Medical requirements**

Prior to beginning the JAR PPL(H) course you must hold a valid JAR Class 1 or 2 medical certificate. The type of medical you choose depends on your reasons for completing the PPL(H).

The JAR Class 2 medical is for a private flying licence and can be conducted by any UK CAA approved Authorised Medical Examiner (AME) which can be found on the CAA website (see appendix 3).

The JAR Class 1 medical examination is for a professional flying licence. The initial Class 1 medical must be conducted at the UK CAA Aeromedical centre at Gatwick. Subsequent medicals / re-validations which are at intervals determined by your age, are conducted by approved AMEs who are located throughout the country and can be found on the CAA website (See Appendix 3).



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## Additional Information

The cost of completing the training is one of the main considerations in undertaking the PPL(H) course and it is worth looking at additional costs. In essence the main cost of completing the PPL(H) will be the flight training however, other costs involved are:

- The ground school and exam fees
- Class 1 or 2 medical examination
- Ground study books & Examination charges
- Navigation charts & Navigation equipment and instruments
- CAA flight test fees & CAA licence issue fees
- Radiotelephony oral test (-in house £120)
- Landing Fees and Airfield charges at other airfields, for example when you complete your cross country flight

When comparing training organisations and their scheme of charges you should take into account the flight training rate and whether it includes the instructor, fuel, landing fees and airfield charges and also the experience of the instructors. At London Helicopter Centres our dual instructional rate is £235 per hour plus VAT, this is inclusive of instructor, fuel, landing fees and airfield charges at Redhill. We also offer a pre paid rate of £225 per hour plus VAT for advance payment of 10hrs or more. At London Helicopter Centres we do charge for the ground exams, these are £20 per paper

| <b>Dual Instruction per Hour</b> | <b>Cost</b> | <b>Dual Instruction 10hrs Pre paid</b> | <b>Costs</b> |
|----------------------------------|-------------|--|--------------|
| <i>45hrs @ £235</i>              | £10,575.00  | <i>45hrs @ £225</i>                    | £10,125.00   |
| <i>VAT @ £17.5%</i>              | £1,850.63   | <i>VAT @ £17.5%</i>                    | £1,771.87    |
| <b>Total</b>                     | £12,425.63  | <b>Total</b>                           | £11,896.87   |

## Cancellation Policy



Due to the intensive nature of our flying programme students who cancel their bookings with less than 24hrs notice will, at the discretion of the company, be charged a cancellation fee of £75 plus VAT.

Hopefully this has provided you with some of the necessary information, however if you have any further questions please do not hesitate to contact us.



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## APPENDIX 1: TRAINING EXERCISES

|   |  |
|---|--|
| <b>1 &amp; 2</b>  | Familiarisation. Pre & Post Flight Actions<br>Ground Briefs only |
| <b>3</b>  | Air Experience   |
| <b>4</b>  | Effects of Controls  |
| <b>5</b>  | Attitude & Power changes   |
| <b>6</b>  | Level flight, climbing, descending and turns                     |
| <b>7</b>  | Autorotations  |
| <b>8</b>  | Hovering   |
| <b>9</b>  | Take-off and Landing   |
| <b>10</b>   | Transitions  |
| <b>11</b>   | Circuits   |
| <b>12</b>   | 1 <sup>st</sup> Solo   |
| <b>13</b>   | Sideways & Backwards Flight                                      |
| <b>14</b>   | Spot Turns   |
| <b>15</b>   | Vortex Ring  |
| <b>16</b>   | Engine Off Landings  |
| <b>17</b>   | Advanced Autorotations   |
| <b>18</b>   | Practice Forced Landings   |
| <b>19</b>   | Steep Turns  |
| <b>20</b>   | Precision Transitions - Hover to Hover                           |
| <b>21</b>   | Quick Stops  |
| <b>22</b>   | Pilot Navigation   |
| <b>23</b>   | Advanced Take-Offs and Landings                                  |
| <b>24</b>   | Sloping Ground Take-Offs and Landings                            |
| <b>25</b>   | Limited Power Operations   |
|  | Confined / Restricted Area Operations                            |
|  | Instrument Flying  |



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## APPENDIX 2: GROUND SCHOOL EQUIPMENT LIST

|  |         |        |
|--|---------|--------|
| THE PPL INTRODUCTORY HELICOPTER FLYING LESSON    | £5.99*  |        |
| ROBINSON R22 - A PILOT'S GUIDE, JOHN SWAN        | £9.95*  |        |
| THE PRINCIPLES OF HELICOPTER FLIGHT - WAGTENDONK | £18.95* |        |
| PRIVATE HELICOPTER PILOT'S GUIDE – S SPARROW     | £60.00* |        |
| THE PPL COURSE – J PRATT                         |         |        |
| AIR LAW, OPERATIONS & COMMUNICATIONS             | £19.95* |        |
| NAVIGATION & METEOROLOGY                         | £19.95* |        |
| HUMAN FACTORS & SAFETY                           | £17.95* |        |
| RADIOTELEPHONY MANUAL - CAP 413                  | £11.00* |        |
| Q & A FOR THE PPL - STEVENS & PRATT              | £14.95* |        |
| R22 PILOT'S HANDBOOK                             | £35.00* |        |
| R44 PILOT'S HANDBOOK                             | £35.00* |        |
| POOLEYS FLIGHT GUIDE UK 2008 (Bound or Spiral)   | £24.95  |        |
| 1:500,000 SOUTHERN ENGLAND & WALES               | £14.00* |        |
| 1:250,000 ENGLAND SOUTH                          | £14.00* |        |
| AFE PILOT'S LOG BOOK                             | £6.77   | £7.95  |
| AFE FLIGHT COMPUTER                              | £36.55  | £42.95 |
| AFE 5" SQUARE PROTRACTOR                         | £4.21   | £4.95  |
| AFE 16" SCALE RULER                              | £4.21   | £4.95  |
| FOLDOVER KNEEBOARD AFE                           | £12.72  | £14.95 |
| KNEEBOARD PAD AFE                                | £1.91   | £2.25  |
| SET OF PENS                                      | £4.26   | £5.00  |
| ERASER   | £1.02   | £1.20  |
| R22 CHECKLIST                                    | £8.51   | £10.00 |
| * ITEMS ARE ZERO VAT RATED                       |         |        |



## APPENDIX 3: USEFUL CONTACTS

### **The Civil Aviation Authority**

Aviation House  
Gatwick Airport South  
West Sussex  
RH6 0YR  
*Tel:* 01293 567 171  
*Fax:* 01293 573 999  
*Web:* [www.caa.co.uk](http://www.caa.co.uk)

### **Flight Crew Licensing**

CAA Safety Regulation Group  
Aviation House  
Gatwick Airport South  
West Sussex  
RH6 0YR  
*Tel:* 01293 828 220

### **Medical Division**

CAA Safety Regulation Group  
Aviation House  
Gatwick Airport South  
West Sussex  
RH6 0YR  
*Tel:* 01293 573 685



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## APPENDIX 4: ILLUSTRATION OF CHARGES

| <b>ILLUSTRATION OF CHARGES</b>                        | <b>CHARGES</b> |
|---|----------------|
| <sup>1</sup> Dual hourly rate                         | £235           |
| <sup>1</sup> Prepaid dual hourly rate                 | £225           |
| <sup>1</sup> Requested ground school tuition per hour | £45            |
| <sup>1</sup> PPL Ground Exams                         | £20            |
| <sup>2</sup> CAA JAR Class 1 medical examination      | £411           |
| <sup>2</sup> CAA JAR Class 2 medical examination      | £137           |
| <sup>1</sup> Radiotelephony test                      | £120           |
| <sup>1</sup> Flight Test examination fee              | £150           |
| <sup>2</sup> CAA JAR PPL(H) Licence Fee               | £146           |

**Note: Please note that these are for illustration only, for current charges please refer to the appropriate sources as listed below.**

1. London Helicopter Centres                      01737 823514 / [www.london-helicopters.co.uk](http://www.london-helicopters.co.uk)
2. Civil Aviation Authority                        01293 567171 / [www.caa.co.uk](http://www.caa.co.uk)