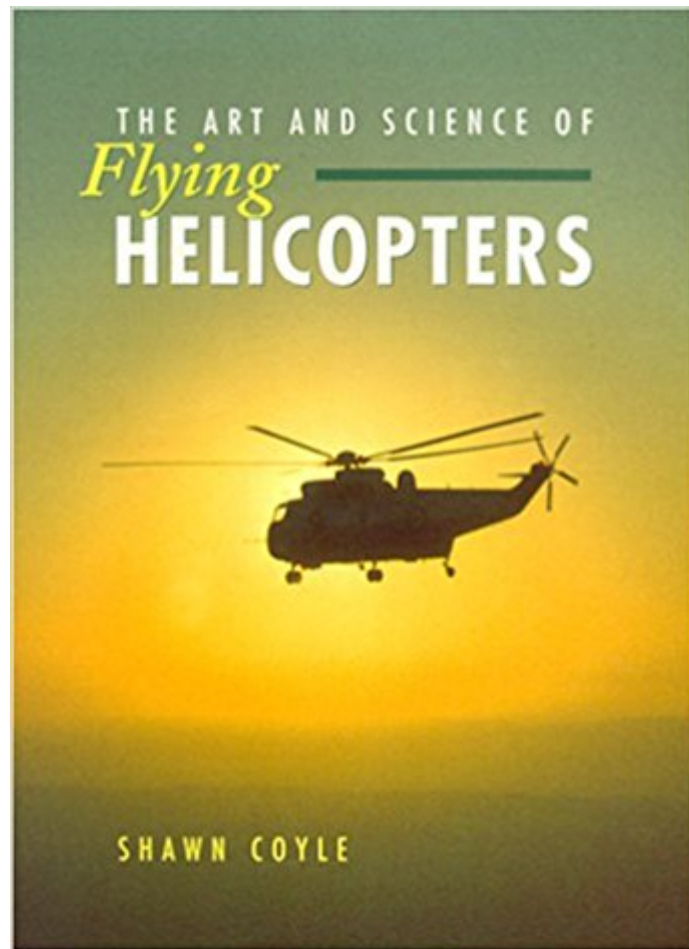




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# The Art And Science Of Flying Helicopters



## Synopsis

The Art and Science of Flying Helicopters covers the fundamentals of helicopter theory, performance, flying, and more advanced aspects of the helicopter itself. Turbine engines, ancillary systems such as hydraulics, and peculiarities of the helicopter are explained in detail with diagrams to aid in comprehension. This manual takes a structured approach to helicopter flying in the areas of aerodynamics, performance, flight techniques, and engine failures, and has both beginners and advanced sections in each of these areas. The division of the book into two parts, for beginners and for advanced pilots, makes it an easy-to-read reference. While performance is covered briefly in the beginners section to permit understanding of how it affects the flight of the machine, it is described in much more detail in the advanced section. Students of both civil and military helicopter flight training and maintenance will benefit from this manual. Numerous examples as well as practical tips for both instructors and students enhance this text and make it a critical addition to any flight training classroom.

## Book Information

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## Customer Reviews

Having flown in many Hughes/McDac and Bell helicopters and most recently Aerospatiale Dauphin 2 helicopters for work, this book is one of best books on the subject. In the news, one sees quite a few incidents of inexperienced pilots and celebrity pilots going down in their helos with tragic results. Helicopters because of their complexity require very well trained and experienced pilots. This book is good for anyone interested in helicopters regardless of their experience. I found the Chapters on

Balance Forces and Controlling the Helicopter, Advanced Engine Failures and Further Peculiarities of Helicopter Flight quite interesting.

Good book for information. Great explanation, a bit vague.. but it helps for the most part.

Covers very technical stuff....I love it....worth having if you intend to fly a helicopter,,,covers some history also.....have yet to read all of it though....bought for specific info....

A highly experienced pilot, test pilot and instructor, Shawn Coyle writes in a conversationally, yet technically oriented way. I know him personally and he contributed his career story and "by the grace of God" story for the second edition of my book, "Learning to Fly Helicopters." If I were teaching an introductory course on flying helicopters, I would (in all modesty) have students read my book first, using the FAA's "Rotorcraft Flying Handbook" as an additional reference, and then have them read this book, "The Art and Science of Flying Helicopters," along with "Cyclic and Collective" and "The Little Book of Autorotations," also by Shawn. I highly recommend all three of these books by Shawn for all helicopter pilots. You will not be disappointed.

I used to train people to fly helicopters, now I fly emergency medical rescue helicopters. Chapter 18 alone is worth the price of the book. It details variations on the single most-important emergency flight maneuver - things that you may not learn from the average helicopter instructor. The knowledge in that chapter could make the difference between walking away and being dug out.

I recently began reading this book, and I find it nothing less than astonishing. Its large amount of tables, figures, and charts help to really explain the text. I am a younger person, and really didn't expect to understand rotary wing flight, but this book has really made it possible for me. This book is a great book for beginners as well as experienced flyers. Overall I think this book is an excellent buy.

I found this book to be a great resource for learning all the complicated aspects of helicopters. This one book did it all for me. My background is ex-Navy pilot and retired airline pilot who is just learning to fly helicopters. This book gave me information that my ground school instructors did not know how to convey properly. An absolutely superior book for learning to fly helicopters.

I read this book three times to get the full scope of all the information contained. It is technical but

easy to read. The only complaint I had was many of the topics in the advanced section would lose the reader in a sea of information. over-all a really good book for someone who wants to learn to fly or just got their PPL.

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