



**Pyrrhus Software**

*Enduring Solutions*

[info@pyrrhusoft.com](mailto:info@pyrrhusoft.com)  
[training@pyrrhusoft.com](mailto:training@pyrrhusoft.com)

## **Software Engineering with SPARK**

This course presents the principles of the development of high integrity software that meets certification requirements. It begins with an explanation of the rationale of SPARK. The course then presents an outline of the SPARK language and the principles of static code analysis. The course covers the fundamentals of SPARK design, such as the appropriate use of packages and data types, as well as the use of SPARK refinement, system interfaces, and library mechanisms. The course presents the role of the SPARK Examiner in the systematic development of programs. During the course, students will work on exercises that demonstrate the more advanced facilities in the SPARK Examiner, such as run-time error checking.

This 4-day course is designed for software engineers, managers, and regulators who are interested in developing high-integrity systems using formal methods.

If you are interested in attending this course or having this course presented at your facility, please contact us at [training@pyrrhusoft.com](mailto:training@pyrrhusoft.com) or call us at 480-951-1019.