# Introduction to Programming using Python

A short course for those new to programming

Instructor: Charles Raymond Smith (Ray) [raysmith@alum.mit.edu](mailto:raysmith@alum.mit.edu)

* Education: Massachusetts Institute of Technology
* Work: MIT, GenRad, IBM, eDial/Alcatel-Lucent
* Many years of Programming – engineering, scientific, financial
* Commercial, Scientific, Systems
* Programming Languages – C, C++, Perl, Java, Python, Assembly
* NEW Areas - Games for young 3-8 years

Goals

* Learn what computer programming is all about from the programmer's point of view
* Some minimal computer experience is useful,
  + but NO previous computer programming experience is necessary.
* Learn how to write and run your own real programs.
* Use Python, a very popular and powerful programming language.
* Practice some of the actual principles and techniques used by professionals.
* Decide if more programming is for you.

Course Structure

* Interactive, Hands-on.
* A personal computer is required for class work.

Seven weeks, each with a one two-hour session

* Approximately hour and a half lecture
* Followed by approximately half hour of question/answer