

# UCT Algorithm Circle

## Introduction to Programming using Python



Are you interested in learning **computer programming**? Want to find out what it is all about, without devoting too much time? Do you have a child or learner that might be interested? The University of Cape Town is holding a **free course** to give young learners an **introduction to computer programming**. We will teach the basic skills needed to start creating your very own fun and useful computer programs.

The course will be run from **Friday 26 to Sunday 28 February 2010**. It is targeted at learners in **grades 7–10** with little or no knowledge of programming, but learners of other grades are also welcome. The course will teach **Python**: a real-world programming language used by many large companies such as Google, Yahoo and Industrial Light & Magic that is also easy to pick up.

The only prerequisite for the course is a fair level of computer literacy: using a web browser and text editor. The course will start from the very basics of what computer programming is about and end off with an introduction to programming concepts: flow control, lists and functions.

You can **apply online** at <http://algorithm.cs.uct.ac.za/apply> Deadline for applications is 21 February, with early applicants given preference. We aim to return the result of applications by 22 February via the email you provide.

The course will be held on the UCT's Upper Campus. The course will run on the Friday afternoon, whole of Saturday and the Sunday morning. Further details and directions will be provided by email upon acceptance.

At the end of the course, interested learners will be invited to attend our free **long-term programming classes** held every Thursday afternoon covering further topics in programming and algorithms. Current programmers can also contact us about joining the long-term classes without attending this introductory course: we have programming classes ranging from junior to advanced level.

Further information is available at <http://algorithm.cs.uct.ac.za> For enquiries, contact Michiel Baird on 084 585 8510, Robert Ketteringham on 084 568 4780 or email [python@olympiad.cs.uct.ac.za](mailto:python@olympiad.cs.uct.ac.za)