



Helmholtz Graduate School for  
Polar and Marine Research

PROCEED

Helmholtz Career Development  
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## Introduction to Python

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<b>Date &amp; Time:</b>	18 March 2019	9 am – 4 pm
<b>Location:</b>	AWI Bremerhaven; B 0030 (Highsea classroom)	
<b>Language:</b>	English	
<b>Target group:</b>	PhD candidates Postdocs	
<b>POLMAR credit points:</b>	1	
<b>Registration:</b>	<a href="mailto:info.polmar@awi.de">info.polmar@awi.de</a>	

### Course content:

The workshop is intended to provide an introduction to programming in Python with hands-on experience on: input and output file handling, arguments handling, writing functions and using modules (e.g., statistics, and general and geographical plotting modules). In addition, throughout the workshop, participants will be familiarized with python syntax and data types, good programming practices and the integrability of python into commonly used natural sciences software. Finally, participants will have the chance to import, analyse and export their own data.

### Target group:

Scientists and data analysts requiring programming basics to use stand-alone python or to understand or modify programs already written in python.

### Pre-requisites:

Participants are NOT expected to have a priori experience with programming or scripting, yet they should be familiar with using text editors (e.g., TextEdit [MacOSX] and NotePad++ [MS Windows]). Participants are expected to have Python (version 2.7) preinstalled on their personal computers (<https://www.python.org/downloads/>).