



ISOS Course

Good Scientific Programming

Prof. Thomas Slawig, CAU

29 – 31 August 2018 | 09:00 – 16:00 h

Preparatory Meeting: 25 July 2018 | 10:00 h

Modelling projects are often comprehensive and require systematic programming, i.e. programming that is modular and flexible and allows quick and efficient reactions to ever-changing sets of problems. On the other hand, young researchers often have to work with “legacy” code that was written by other people many years ago and has undergone a long developing process. In this course, instead of addressing rather “technical” modelling “how-to’s” you will learn how to conceptually design a model:
How should a good and efficient model look like and what is needed to build, maintain and collaborate on such a model?

Contents:

- | Good programming practice
- | Basic concepts of imperative programming
- | Reliable and maintainable programming
- | Modularization
- | Performance aspects
- | Useful tools

Prerequisite: Basic knowledge in programming (Experience in Matlab, Python, C, Fortran or others)

Venue: *Leibnizstraße 1, room 105a*

ISOS candidates have priority in our courses.

Usually, child care can be provided – please get in touch with us as soon as possible.



Please register online at
www.futureocean.org/isos



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