MARUM / GLOMAR Expert Course:

An introduction to MATLAB

Dr. Marius Becker

MARUM - Center for Marine Environmental Sciences

13-17 May 2013, MARUM, Bremen

MATLAB is a flexible programming language, which enables you to process significant amounts of numerical data. MATLAB is well documented, supported by a large user group, and frequently applied in science and engineering. MATLAB shares the syntax with other languages, such as *Octave* and *Scilab*, which are both free to use.

The aim of this course is to provide you with basic knowledge of MATLAB programming. Technically, this is a practical course where you will program yourself most of the time. Experience with other programming languages is not required. With a little effort you will be able to import and process data, and to create custom-designed plots from your results.

Schedule:

Monday to Thursday (09:00 - 12:30)

Programming: syntax, variables, data types; Processing: scripts, functions; Data: import, storage, export; Plotting: 2D, 3D, objects, handles; More: help pages, books, file exchange database

Friday (09:00 - 12:30)

Discuss individual topics according to your processing needs, potentially including, but not limited to, statistics, interpolation, or time series analysis.

Location

MARUM, University of Bremen, 28359 Bremen, Germany, Room 2070

To subscribe

Please send an e-mail to Christina Klose (glomar-courses@marum.de). Please give your name, status (PhD student, Postdoc or Master Student), institute / university and research area / working group as well as your **field of study**.