

MARUM / GLOMAR / POLMAR Introductory Course:

Introductory Course to Marine Sciences Part I: Physical Oceanography and Climate

Dr. Torsten Bickert¹, Dr. Thomas Felis¹, Dr. Dagmar Kieke², Prof. Dr. Reiner Schlitzer³,
Dr. Stefan Mulitza¹, Dr. Jürgen Pätzold¹, Dr. Jan-Berend Stuut^{1,4}

¹MARUM – Center for Marine Environmental Sciences

²University of Bremen, Institute for Environmental Physics (IUP)

³Alfred Wegener Institute for Polar and Marine Research Bremerhaven (AWI)

⁴Royal Netherlands Institute for Sea Research (NIOZ)

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Objectives

The aim of the course is to introduce some main fields of marine sciences, i.e. physical oceanography, paleoceanography, and climate research. The programme is multidisciplinary; all disciplines will be discussed as components of an integrated system. Many practicals and exercises will be offered related to the given topics.

Topics:

- Physical properties of seawater, ocean heat budget, thermohaline circulation
- Tracer oceanography, introduction to ocean data view software (ODV)
- Principles of proxy application in climate research, Paleoceanography
- Abrupt climate changes, climate variability on seasonal timescales
- Radiocarbon dating

Course schedule

Morning (9.00-12.30) and afternoon (13.30-17.00) sessions

Location

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

To subscribe

Please send a 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.