

## Introductory Course in Marine Sciences: Biogeochemical oceanography and climate

05.09.11	MONDAY	lecturer	room
<i>Introductory day</i>			
9 - 9:15	Welcome	Claudia Hanfland	F
9:15 - 10:30	Feedback mechanisms ocean-climate	Claudia Hanfland	F
<b>coffee break</b>			
11 - 12:30	The Krill Story	Bettina Meyer	F
<b>LUNCH</b>			
14 - 17:00	Practical: Lab safety introduction DIC analysis alkaliniy titration nutrient, chlorophyll analysis	Klaus-Uwe Richter  technicians Biogeo	E-5085 labs biogeo labs biogeo labs biogeo
<b>06.09.11 TUESDAY</b>			
<i>biological oceanography</i>			
9 - 10:30	The Global Carbon Cycle and the Marine Carbonate System	Wolf-Dieter Gladrow	F
<b>coffee break</b>			
11 - 12:30	Plankton communities in the polar oceans	Christine Klaas	F
<b>LUNCH</b>			
14 - 15:30	Introduction to ecophysiology: the impact of global change	Hans-Otto Pörtner	F
<b>coffee break</b>			
16 - 17:30	The Big picture: Linking ecology and biogeochemistry of the oceans	Victor Smetacek	F

please register at: [info.polmar@awi.de](mailto:info.polmar@awi.de)  
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**07.09.11****WEDNESDAY*****biogeology***

9 - 10:30	Towards a mechanistic understanding of proxy relationships	Jelle Bijma	F
	<b>coffee break</b>		
11 - 12:30	Implications of ocean iron fertilization experiments for basic and applied research	Victor Smetacek	F
	<b>LUNCH</b>		
14 - 15:30	Impact of diagenesis on sedimentary parameters	Sabine Kasten	E-2470
	<b>coffee break</b>		
16 - 17:30	Poking inside: what's in biogeochemical models?	Christoph Völker	E-2470

**08.09.11****THURSDAY*****climate & ice***

9 - 10:30	The Earth climate system and its components	Martin Werner	F
	<b>coffee break</b>		
11 - 12:30	Ice in the climate system	Frank Wilhelms	F
	<b>LUNCH</b>		
14 - 15:30	Paleoclimate dynamics-identifying driving mechanisms of climate change	Stephan Dietrich	F
	<b>coffee break</b>		
16 - 17:30	Sea level variations	Wolfgang Dierking	F

**09.09.11****FRIDAY*****cross over talks***

9 - 10:00	How to use AWI logistics and infrastructure	Uwe Nixdorf	E-2470
10 - 11:00	The role of international organisations for scientific research	Stephan Hain	E-2470
	<b>coffee break</b>		
11:30 - 12:30	Communicating science to the media	Ralf Röchert	E-2470
12:30 - 13:00	final comments and official farewell	Claudia Hanfland	E-2470
	<b>LUNCH</b>		
14:00	Visit of planetarium in AWI building F	Rolf Schäfer	F