**Module number:** MNF-bioc-101  
**Title:** Introduction to Biological Oceanography  
**Person in charge:** Hentschel Humeida, Ute  
**Days:** Monday, Tuesday, Thursday  
**Time:** 12 c.t. all days  
**Duration:** 45 minutes  
**Lecture start:** Monday, 21.10.2019  
**Lecture end:** Thursday 06.02.2020  
**Lecture free time:** Monday, 23.12.2019 until Monday 06.01.2020

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Lecturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon, 21.10.</td>
<td>biological oceanography - introduction</td>
<td>Melzner</td>
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<tr>
<td>Tue, 22.10.</td>
<td>marine biogeochemistry - introduction to marine biogeochemistry</td>
<td>Riebesell</td>
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<tr>
<td>Thu, 24.10.</td>
<td>marine biogeochemistry - the marine carbon cycle</td>
<td>Riebesell</td>
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<tr>
<td>Mon, 28.10.</td>
<td>marine biogeochemistry - coupling of elemental cycles</td>
<td>Riebesell</td>
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<tr>
<td>Tue, 29.10.</td>
<td>plankton - light and primary production</td>
<td>Engel</td>
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<tr>
<td>Thu, 31.10.</td>
<td>Reformationsstag</td>
<td>no lecture</td>
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<tr>
<td>Mon, 04.11.</td>
<td>plankton - nutrient uptake and limitation in phytoplankton</td>
<td>Engel</td>
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<tr>
<td>Tue, 05.11.</td>
<td>Alkor Cruise</td>
<td>Engel</td>
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<tr>
<td>Thu, 07.11.</td>
<td>plankton - release of organic matter by phytoplankton</td>
<td>Engel</td>
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<tr>
<td>Mon, 11.11.</td>
<td>plankton - phytoplankton-I</td>
<td>Matthiesen/Worden</td>
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<tr>
<td>Tue, 12.11.</td>
<td>plankton - phytoplankton-II</td>
<td>Matthiesen/Worden</td>
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<td>Thu, 14.11.</td>
<td>plankton - zooplankton-I</td>
<td>Melzner</td>
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<tr>
<td>Mon, 18.11.</td>
<td>plankton - zooplankton-II</td>
<td>Melzner</td>
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<tr>
<td>Tue, 19.11.</td>
<td>marine physiology - I</td>
<td>Melzner</td>
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<tr>
<td>Thu, 21.11.</td>
<td>marine physiology - II</td>
<td>Melzner</td>
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<tr>
<td>Mon, 25.11.</td>
<td>plankton - unicellular eukaryote heterotrophy</td>
<td>Hehenberger/Worden</td>
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<tr>
<td>Tue, 26.11.</td>
<td>plankton - unicellular eukaryote mixotrophy</td>
<td>Hehenberger/Worden</td>
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<td>Thu, 28.11.</td>
<td>marine natural products chemistry - chemical ecology</td>
<td>Tasdemir</td>
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<td>Mon, 02.12.</td>
<td>marine natural products chemistry -I</td>
<td>Tasdemir</td>
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<tr>
<td>Tue, 03.12.</td>
<td>marine natural products chemistry-II</td>
<td>Tasdemir</td>
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<td>Thu, 05.12.</td>
<td>POF IV review</td>
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<td>Mon, 09.12.</td>
<td>nektion I</td>
<td>Rausch</td>
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<tr>
<td>Tue, 10.12.</td>
<td>nektion II</td>
<td>Rausch</td>
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<td>Thu, 12.12.</td>
<td>Marine evolutionary biology - dispersal, migration and biogeography</td>
<td>Reusch</td>
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<td>Tue, 14.01.</td>
<td>Marine evolutionary biology - population genetics, speciation and evolution</td>
<td>Reusch</td>
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<td>Thu, 16.01.</td>
<td>Marine evolutionary biology - speciation, marine genomics</td>
<td>Reusch</td>
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<td>Mon, 13.01.</td>
<td>Deep-Sea Biology-I</td>
<td>Hoving</td>
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<td>Tue, 14.01.</td>
<td>Deep-Sea Biology-II</td>
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<td>Thu, 16.01.</td>
<td>FB3 retreat</td>
<td>no lecture</td>
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<tr>
<td>Mon, 20.01.</td>
<td>Marine microbiology - diversity</td>
<td>Hentschel</td>
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<tr>
<td>Tue, 21.01.</td>
<td>Marine microbiology - function</td>
<td>Hentschel</td>
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<tr>
<td>Thu, 23.01.</td>
<td>Marine microbiology - symbioses I</td>
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<tr>
<td>Mon, 27.01.</td>
<td>Marine microbiology - symbioses II</td>
<td>Hentschel</td>
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<td>Tue, 28.01.</td>
<td>benthos - I</td>
<td>Wahl</td>
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<td>Thu, 30.01.</td>
<td>benthos - II</td>
<td>Wahl</td>
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<tr>
<td>Mon, 03.02.</td>
<td>benthos - non-trophic and indirect interactions</td>
<td>Wahl</td>
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<tr>
<td>Tue, 04.02.</td>
<td>Human impacts on marine life I</td>
<td>Wahl</td>
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<tr>
<td>Thu, 06.02.</td>
<td>Human impacts on marine life II</td>
<td>Wahl</td>
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**Tuesday, 11.2.2020**  
**Written TEST!** = 90 min  
**Thu, 03.02. – Wed, 15.02.2020** a Official Examination Period at CAU  
**Tue, 23.3.-Fr, 04.4.2020** Second Examination Period

24.9.2019 gez. Ute HH