ENVST-UA/ANST-UA 323 Marine Ecology & Conservation  
Fall 2021, T/R 3:30-4:45pm (4 credits)  
Location: 12 WAVERLY L120

Professor: Jennifer Jacquet  j84@nyu.edu  
Office hours: schedule via Google calendar  
Office location: https://nyu.zoom.us/j/720886224  
Course Asst:  

The Course Objectives:  
Welcome! This course analyzes several aspects of our oceans, with particular emphasis on human impacts and examines some of the recent major threats, including lack of governance for the high seas, deep-sea mining, and the effects of climate change on aquatic animals. We will focus on ecological relationships between marine organisms and their environment, with the introduction of humans as marine predators and ecological disturbers. We will review recent peer-reviewed marine ecology studies as well as popular articles to familiarize ourselves with the latest research. The first half of the course focuses more on basic ecology while the second half focuses more on anthropogenic impacts (e.g., overexploitation, pollution, invasive species, and climate change) and proposed and tested solutions.

Note:  
I will not be recording lectures, nor will Zoom attendance be an option. However, I will post class slides as always, and you can always make a class buddy with whom to share notes. That said, the assessment system is all online, and for this semester does not include in-class exams.

Required texts:  
The peer-reviewed research articles listed on the daily calendar (all available on Brightspace), several films, and one book (which you will likely need to rent/purchase).

The Grade:  
Pre-class quizzes and questions for guests: 20%  
Written assignments (4 total at 15% each): 60%  
Final book review: 20%

Academic Integrity, Plagiarism, and Cheating (adapted from the website of the College of Arts & Science, https://cas.nyu.edu/content/nyu-as/cas/academic-integrity.html):  
Academic integrity means that the work you submit is original. Obviously, bringing answers into an examination or copying all or part of a paper straight from a book, the Internet, or a fellow student is a violation of this principle. But there are other forms of cheating or plagiarizing which are just as serious — for example, presenting an oral report drawn without attribution from other sources (oral or written); writing a sentence or paragraph which, despite being in different words, expresses someone else’s idea(s) without a reference to the source of the idea(s); or submitting essentially the same paper in two different courses (unless both instructors have given their permission in advance). Receiving or giving help on a take-home paper, examination, or quiz is also cheating, unless expressly permitted by the instructor (as in collaborative projects).

Disability Disclosure Statement: Academic accommodations are available for students with disabilities. The Moses Center website is www.nyu.edu/csd. Please contact the Moses Center for Student Accessibility (212-998-4980 or mosescsd@nyu.edu) for further information. Students who are requesting academic accommodations are advised to reach out to the Moses Center as early as possible in the semester for assistance.
<table>
<thead>
<tr>
<th>Class date</th>
<th>Topic (key concepts)</th>
<th>Readings/media (prepare before coming to class)</th>
<th>Assignment / exam</th>
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<tbody>
<tr>
<td>Date</td>
<td>Topic</td>
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2) Jacquet et al. 2017. Bivalves are better: Ecological, food security, and welfare considerations of farming aquatic animals. Solutions.  
| Oct. 12 (T) | NO CLASS | |
3) Steneck et al. 2011 Creation of a gilded trap by the high |
2) My Octopus Teacher (Netflix) |
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<tr>
<th>Date</th>
<th>Topic</th>
<th>References</th>
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2) Sumaila et al. 2015. Winners and losers in a world where the high seas is closed to fishing. Scientific Reports. |
3) Carmine et al. 2020. Who is the high seas fishing industry? One Earth |
| Nov. 11 (R) | GUEST BEN FRANTA | TBD |
TBD |
| Nov. 23 (T) | NO CLASS | (THANKSGIVING) |
| Nov. 25 (R) | NO CLASS | (THANKSGIVING) |
Science 173: 585-597.  
| Dec. 2 (R) | GUEST JOHN HOCEVAR | TBD |
| Dec. 9 (R) | Seeing seafood as animals | TBD |
| Dec. 14 (T) | Wrap up | FINAL BOOK REVIEW DUE |