

Figen Mekik

PAD 146





Office Hours

- ☀ Tuesdays and Thursdays 10-12 am
- ☀ Tuesdays 5-6pm

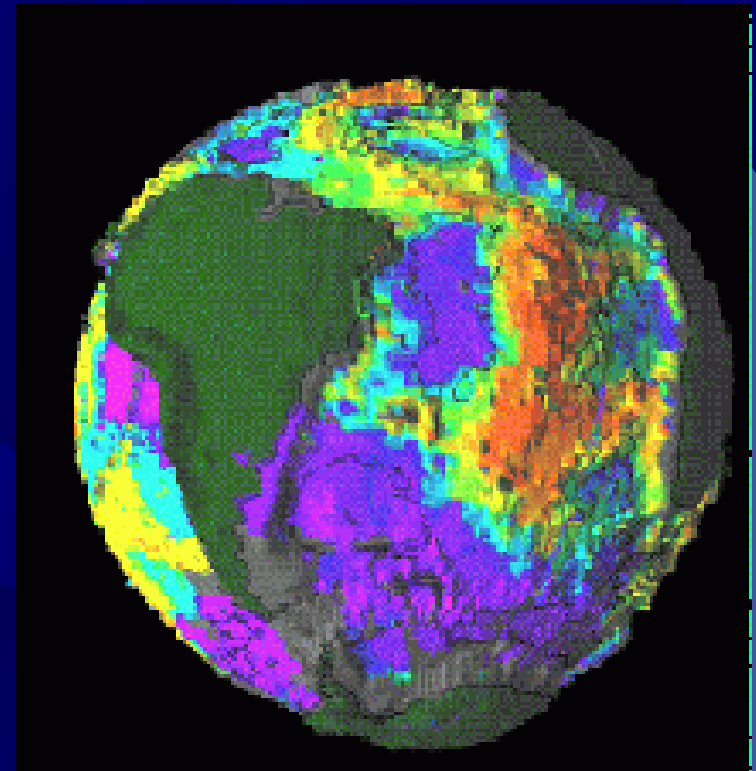
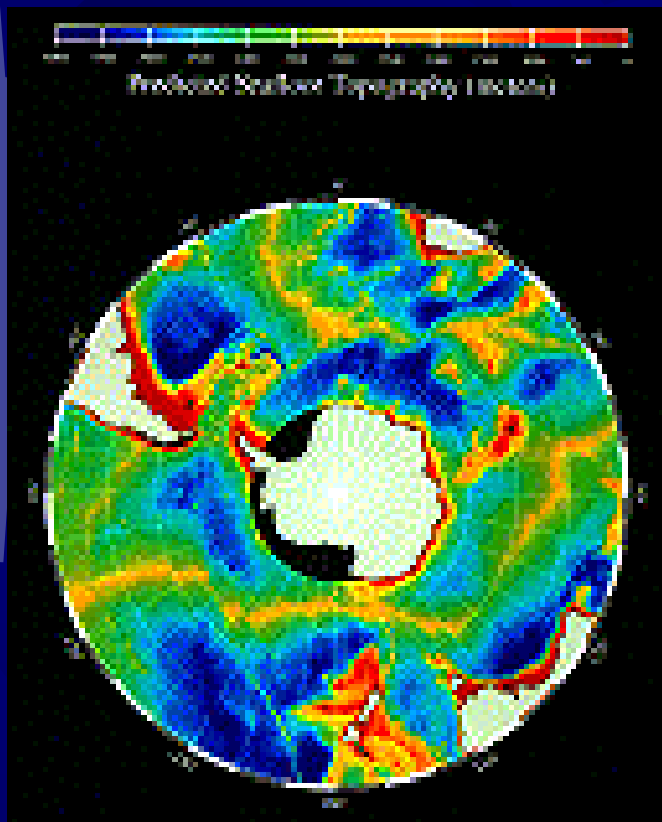
Text Book

- ✦ Author: Thurman and Trujillo
- ✦ Title: *Essentials of Oceanography*
- ✦ ISBN: 0-13-065235-0

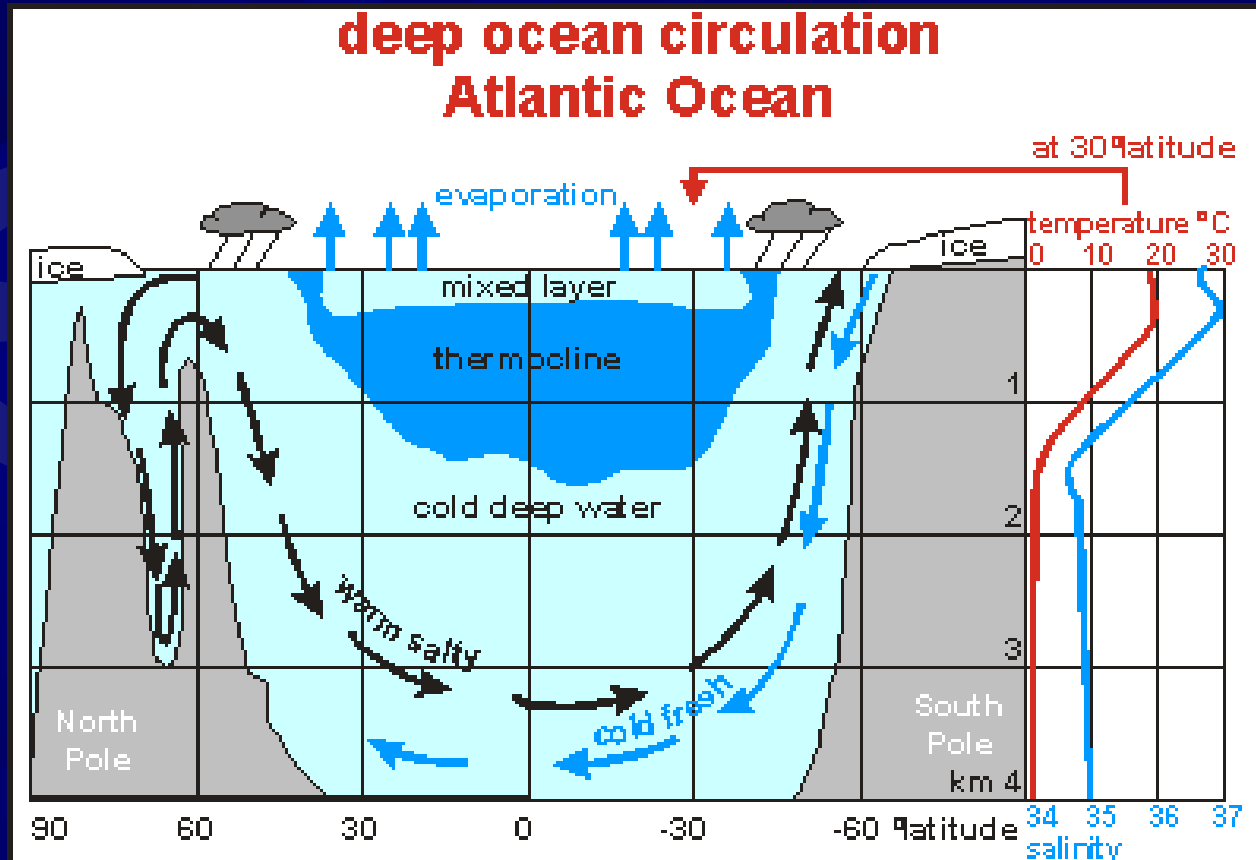
What is this course about?

- ★ Strengths and limitations of scientific reasoning
- ★ Earth-system-science
- ★ Basics of Ocean Science
 - ★ Geological Oceanography
 - ★ Physical Oceanography
 - ★ Chemical Oceanography
 - ★ Biological Oceanography

Geological Oceanography

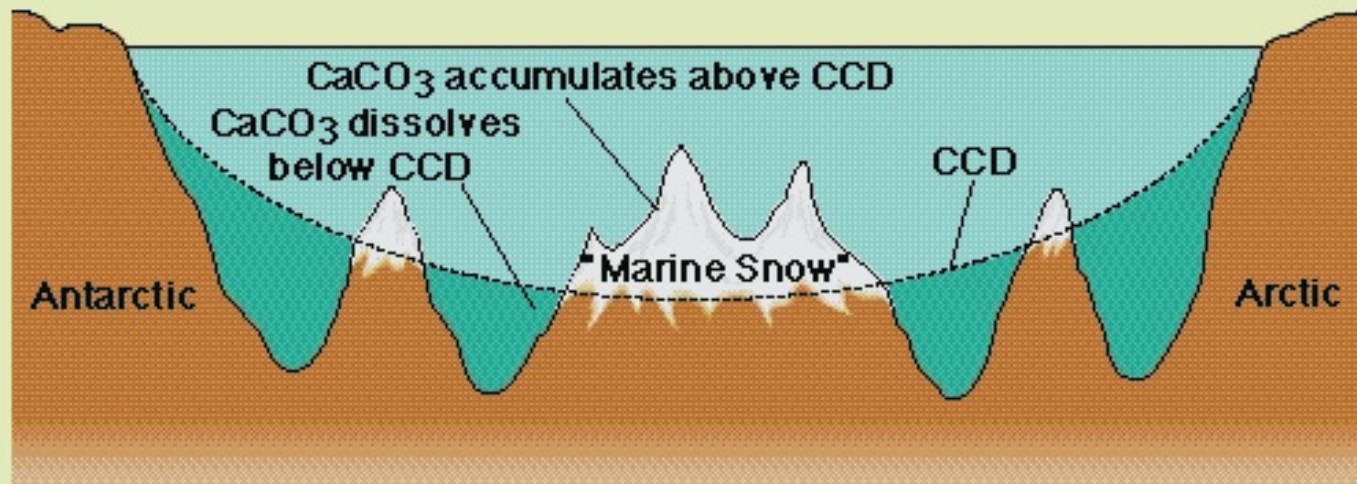


Physical Oceanography



Chemical Oceanography

Calcium Carbonate Accumulation



Below the CCD, cold water holds more CO₂, which results in more carbonic acid, which dissolves CaCO₃ faster.

Biological Oceanography



Exam Dates

- ✱ September 23 – Exam 1
- ✱ October 14 – Exam 2
- ✱ November 11 – Exam 3
- ✱ Final Exam December 9, 6-8pm
 - PAD 119
- ✱ Last Withdrawal Date: Oct. 17, 5 pm

Assessment

- ✱ 3 Exams = 450 pts [150 points each]
- ✱ Final Exam = 200 points
- ✱ Beach Exercise = 50 points
- ✱ Classwork, Homework and Quizzes = 100 points
- ✱ Research project = 100 points
- ✱ *Angus* Cruise = 100 points
- ✱ Total Points = 1000 points

Letter Grades

- ★ A = 1000-900 points
- ★ B = 899-800 points
- ★ C = 799-700 points
- ★ D = 699-500 points
- ★ F = <500 points

Policies

- ★ **TESTS:** no make-ups for any missed test, for any reason
- ★ **ATTENDANCE:** no one is forced to be here, but coming to class will improve your grade exponentially
- ★ **FINAL EXAM:** comprehensive [every thing from day 1 is included on the final]

Contacting the Professor

- ✦ Email: mekikf@gvsu.edu
- ✦ Phone: 616-331-3020
- ✦ Or you may visit me in my office any time that I am there, even if it isn't my official office hour.
- ✦ Web page:
 - ✦ <http://www4.gvsu.edu/mekikf>

E-mail policies

- ★ I am most responsive to e-mail, but please do not send e-mails to tell me
 - “Why you cannot be in class” [Just come to class]
 - “Why you missed a class and can you have the notes?” [I give the notes in class and on blackboard, can't e-mail it to everyone who misses class]
 - “When the exams are or what is included on the test” [Come to class and follow what is going on]
 - “Can you take a make-up for a missed test” [the answer is NO!]
- ★ You will receive an answer within 1-3 hours after sending your e-mail message

Blackboard

☀ <http://www.gvsu.edu>

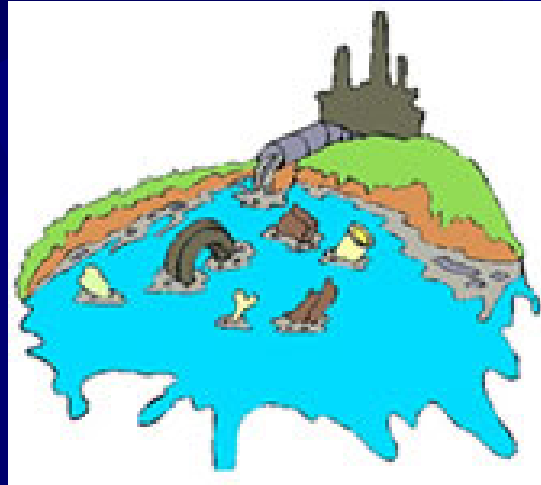
☀ You can see

- ☀ Class notes
- ☀ Review sheets
- ☀ The syllabus
- ☀ Exam dates and times
- ☀ Your grades as you receive them

The Cruise



What will you do on the cruise?



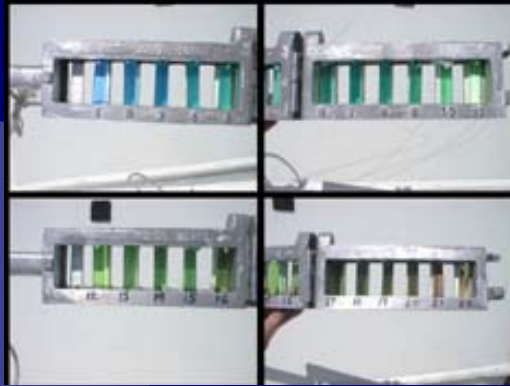
Assess water quality



Lab on board!



Secchi disk

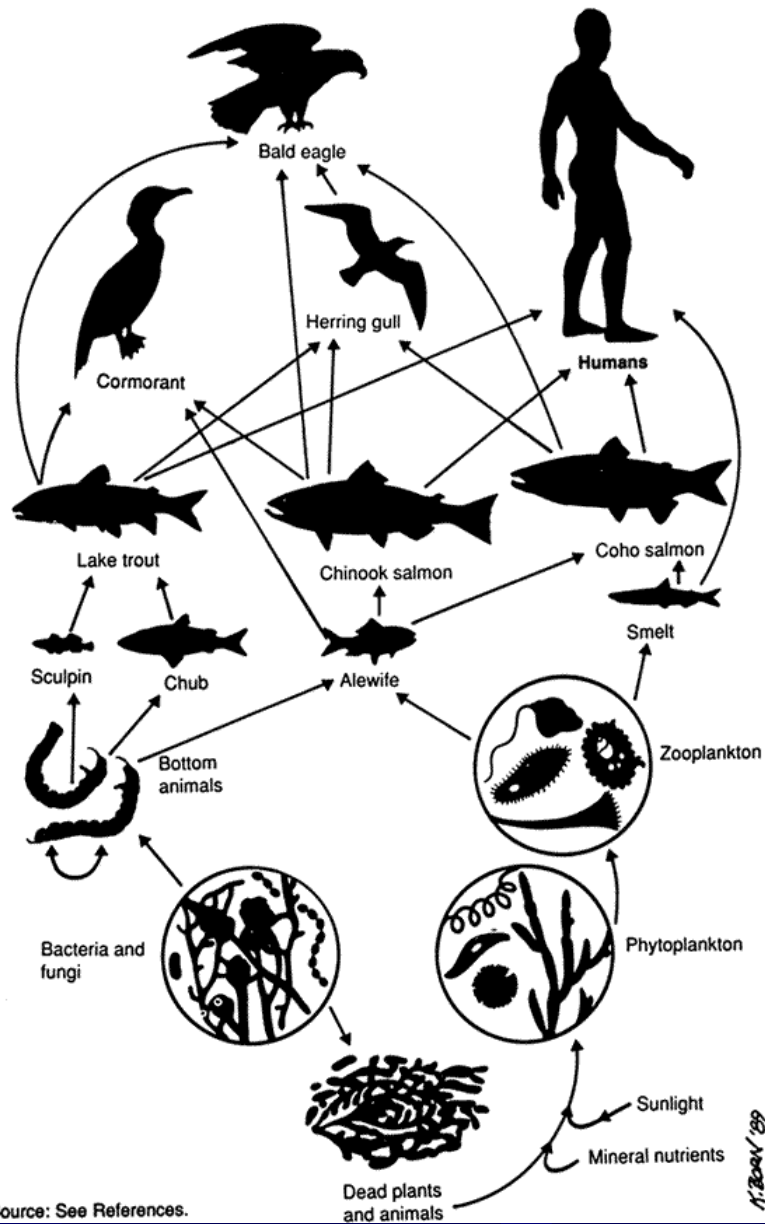


Oxygen Content





Figure 6
Lake Michigan Food Web



After the cruise

- ☀ Data Analysis

