**Oceanography 1 Class Schedule – Fall 2019**

Instructor: Katryn Wiese, katryn.wiese@mail.ccsf.edu, [https://fog.ccsf.edu/kwiese](https://fog.ccsf.edu/kwiese) (Office hours on website)

Class website: [https://fog.ccsf.edu/~kwiese/content/Classes/oceanography.html](https://fog.ccsf.edu/~kwiese/content/Classes/oceanography.html)

Required: Oceanography 1 Workbook

Recommended: Essentials of Oceanography, Trujillo and Thurman

Grading scale: A=90-100%; B=80-89%; C=70-79%; D=60-69%; F=<60%.

Grading: 17% exam 1 | 17% exam 2 | 17% exam 3 | 17% exam 4 | 17% quiz average | 15% homework/discussion

**Class Meetings:**
- Face-to-Face section: T/Th 11:10 am to 12:30 pm in Science 5
- Online: 4 exam meetings -- Thurs 6:40-7:55 pm Science 45 (9/19, 10/24, 11/21, 12/19)

**Special Dates:**
- Aug 30 — LAST DAY TO DROP with full refund
- Sept 6 — LAST DAY TO ADD and LAST DAY TO DROP w/o a W
- Nov 7 — LAST DAY TO WITHDRAW

**FOR TOPICS COVERED IN LIST BELOW:** *(Chapters listed are for 12th edition of textbook)

Assignment deadlines are spread throughout the week. Use weekends to complete early and on your schedule.

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<tr>
<th>Week, Dates, Topics, Reading Chapters</th>
<th>Assignments</th>
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| Week 1 Aug 19-23 Class Policies and What is Science? | Due Thurs in class or at midnight (online)  
- Class Policies Worksheet  
- Intro Survey  
- What Is Science? Worksheet  
- During the week: corrections & discussion |
| Week 2: Aug 26-30 Water Planet: Chapter 1: Introduction to Planet Earth, Chapter 16: The Oceans and Climate Change (p. 539 Rising Sea Level section) and Appendix III: Latitude & Longitude | Due Mon midnight: Chapter Quiz  
- Due Mon midnight (online) or Tues in class: Chapter Worksheet  
- Due Wed midnight (online) or Thurs in class: Chapter Activity  
- During the week: corrections & discussion |
| Week 3: Sept 2-6 Plate Tectonics: Chapter 2: Plate Tectonics and the Ocean Floor | Due Mon midnight: Chapter Quiz  
- Due Mon midnight (online) or Tues in class: Chapter Worksheet  
- Due Wed midnight (online) or Thurs in class: Chapter Activity  
- During the week: corrections & discussion |
| Week 4: Sept 9-13 The Seafloor and its Sediments: Chapter 3: Marine Provinces and Chapter 4: Marine Sediments | Due Mon midnight: Chapter Quiz  
- Due Mon midnight (online) or Thurs in class: Chapter Worksheet  
- Due Wed midnight (online) or Thurs in class: Chapter Activity  
- During the week: corrections & discussion |
| Week 5: Sept 16-20 Exam 1 | Due Mon midnight or Tues in class: Exam worksheet  
- Exam: Thurs 11:10 am to 12:25 pm S5 or 6:30-8 pm S45 |
- Due Mon midnight (online) or Tues in class: Chapter Worksheet  
- Due Wed midnight (online) or Thurs in class: Chapter Activity  
- During the week: corrections & discussion |
| Week 7: Sept. 30-Oct. 4 Chemistry of Seawater: Chapter 5: Water and Seawater and Chapter 16: The Oceans and Climate Change (p. 536: Ocean Acidity section – 2 pages) | Due Mon midnight: Chapter Quiz  
- Due Mon midnight (online) or Tues in class: Chapter Worksheet  
- Due Wed midnight (online) or Thurs in class: Chapter Activity  
- During the week: corrections & discussion |
| Week 8: Oct 7-11 Seasons & Atmosphere: Chapters 6: Air-Sea Interaction and 16: The Oceans and Climate Change | Due Mon midnight: Chapter Quiz  
- Due Mon midnight (online) or Tues in class: Chapter Worksheet  
- Due Wed midnight (online) or Thurs in class: Chapter Activity  
- During the week: corrections & discussion |

Oct 15 – FLEX DAY – College closed (no Tuesday class)
### Student Learning Outcomes

**STUDENT LEARNING OUTCOMES (SLOs):** Upon completion of this course a student will be able to:

A. Apply scientific inquiry and investigation of evidence to critically evaluate oceanographic principles.

B. Communicate oceanographic ideas and theories effectively.

C. Apply scientific principles, theories, or models to explain the behavior of oceanographic phenomena.

D. Evaluate human interactions with the oceans and the societal impacts.

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| **Week 9: Oct 14-18**<br>**Currents & the Environment:** Chapter 7: Ocean Circulation and Chapter 16: The Oceans and Climate Change (p. 534: Changes in Deep Water Circulation – 0.5 pages) | • Due Wed midnight: Chapter Quiz  
• Due Wed midnight (online) or Thurs in class: Chapter Worksheet  
• Due Wed midnight (online): Chapter Activity  
**No Chapter Activity due this week for Face-to-Face class** (can do as Extra Credit to replace one activity/worksheet grade)  
• During the week: corrections & discussion |
| **Week 10: Oct 21-25**<br>**Exam 2** | • Due Mon midnight: Exam worksheet  
• Exam: Thurs 11:10 am to 12:25 pm S5 or 6:30-8 pm S45 |
| **Week 11: Oct 28-Nov 1**<br>**Waves:** Chapter 8: Waves and Water Dynamics | • Due Mon midnight: Chapter Quiz  
• Due Mon midnight (online) or Tues in class: Chapter Worksheet  
• Due Wed midnight (online) or Thurs in class: Chapter Activity  
• During the week: corrections & discussion |
| **Week 12: Nov 4-8**<br>**Tides:** Chapter 9: Tides | • Due Mon midnight: Chapter Quiz  
• Due Mon midnight (online) or Tues in class: Chapter Worksheet  
• Due Wed midnight (online) or Thurs in class: Chapter Activity  
• During the week: corrections & discussion |
| **Nov 11 – VETERAN’S DAY – College closed (no impact on class)** | |
| **Week 13: Nov 11-15**<br>**Coastal Processes & Pollution:** Chapter 10: Beaches, Shoreline Processes, and the Coastal Ocean and Chapter 11: Marine Pollution | • Due Mon midnight: Chapter Quiz  
• Due Mon midnight (online) or Tues in class: Chapter Worksheet  
• Due Wed midnight (online) or Thurs in class: Chapter Activity  
• During the week: corrections & discussion |
| **Week 14: Nov 18-22**<br>**Exam 3** | • Due Mon midnight: Exam worksheet  
• Exam: Thursday 11:10 am to 12:25 pm S5 or 6:30-8 pm S45 |
| **Week 15: Nov 25-27**<br>**Marine Organisms Classification & The Living Ocean:** Chapter 12: Marine Life and the Marine Environment | • Due Mon midnight: Chapter Quiz  
• Due Mon midnight (online) or Tues in class: Chapter Worksheet  
• Due Wed midnight (online): Chapter Activity  
**No Chapter Activity due this week for Face-to-Face class** (can do as Extra Credit to replace one activity/worksheet grade)  
• During the week: corrections & discussion |
| **Nov 28-29 – THANKSGIVING HOLIDAY – College closed (no Thursday class)** | |
| **Week 16: Dec 2-6**<br>**Productivity and Plankton:** Chapter 13: Biological Productivity and Energy Transfer | • Due Mon midnight: Chapter Quiz  
• Due Mon midnight (online) or Tues in class: Chapter Worksheet  
• Due Wed midnight (online) or Thurs in class: Chapter Activity  
• During the week: corrections & discussion |
| **Week 17: Dec 9-12**<br>**Nekton and Benthos:** Chapter 14: Animals of the Pelagic Environment and Chapter 15: Animals of the Benthic Environment) | • Due Mon midnight: Chapter Quiz  
• Due Mon midnight (online) or Tues in class: Chapter Worksheet  
• Due Wed midnight (online) or Thursday in class: Exam Worksheet  
• During the week: corrections & discussion  
**No Chapter Activity or Exam Worksheet due** this week for Face-to-Face class (can do as Extra Credit to replace one activity/worksheet grade) |
| **Week 18: Dec 16-20**<br>**Exam 4 (Final Exam)** | Exam: Tuesday Dec 17 10:30 am -12:30 pm S5 or Thursday Dec 19 6:30-8 pm S45 |

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Community – This class is a community. We all have the same objective: to learn. Learning happens more fully when you have to explain the new things you learn with others, when you discuss the new content with others. To make that happen, be sure to engage with your fellow students and bring with you a willingness to help each other. Many problems and questions can be resolved by asking a fellow student. I am always here to help you but often it’s your fellow students who can provide the best insights, suggestions, and inspiration. I HIGHLY encourage ALL students to create study groups (either using S45 study sessions or local coffee shops and library rooms). Suggestions: to ensure the most respectful and effective communication, please identify yourself clearly; stick to the question – address only one topic at a time; be respectful – especially when giving criticism – address the topic, NOT the person; keep comments succinct.

Time required (units) – The CCSF workload requirement for a 3-unit credit lecture class is that students put in 9 hours per week for a 17.5-week semester. For face-to-face, that’s 3 hours in class and 6 hours of homework for an average grade of a C. For online, that’s 9 hours at home. Each student will need to put in more or less time, depending on his or her background and study techniques. Assignment deadlines are spread throughout the week. Use weekends to complete assignments early and on your schedule.

Class ADVISORIES: Based on pass-rate data for the past 10 years, students most likely to pass are those who have completed math through the second year of algebra (including geometry) and are prepared for College-Level English. Why? You will need to be able to read and understand the videos, textbook, and class workbook; complete in-class activities based on instructions provided in the activity; communicate effectively verbally in groups during class activities and in writing during exams; and solve critical and computational problems involving exponents, inequalities, unit conversion, basic geometry, graphing (interpreting linear, exponential, and logarithmic graphs), and ratios.

Seeking Help – If you have questions, attend study sessions or office hours, make an appointment, or e-mail me (katryn.wiese@mail.ccsf.edu). I want to help you, but it’s your responsibility to reach out. NOTE: If you contact me through email, you should expect a response at least within 24 hours (Monday through Friday during normal working hours). If you don’t hear back, try again – perhaps your email was misaddressed or lost in transit.

Website – Visit class website for more information about the way the class runs and how your time will be primarily spent. Also found there are class video tutorials, links to online quizzes, web resources to help with each topic covered, FAQs, glossaries of terms, Welcome information, and Advice from previous students. https://fog.ccsf.edu/~kwiese/content/Classes/oceanography.html

Recommended Textbook – A textbook is a valuable resource in this class. It is not required but is highly recommended as a supplement to the videos (all required content is provided in videos and video scripts). Recommended text for the class: (any edition within the last 5 years of: Essentials of Oceanography, Trujillo and Thurman).

REQUIRED WORKBOOK – The class workbook contains all activities, worksheets, figures, and tables needed for class work. You will be completing exercises in this workbook each week throughout the semester, so you need to have it with you whenever you are doing class work. Carefully transcribe weekly notes. Printing/purchase instructions are on the class website. Choices:

- Purchase a hard-copy bound color version per online instructions or
- Use the PDF, but only with prior instructor permission. You will have to prove first that you have and can effectively use a program to write ON the PDF and keep all notes there. I will not be able to teach you that technology, so if you don’t already know and have it, use the paper version of the manual. (Given both choices, most students have preferred the hard copy version.)

Technology requirements – For all students:

- Internet, browser, and computer sufficient for watching online videos each week
- Your @mail.ccsf.edu email (for communication and accessing quizzes)

For online students, you will also need access to and familiarity with CANVAS and the ability to take photos of your completed assignments and insert them into a word document, which you would save as a PDF.

Videos – Each week, prior to taking quizzes and completing assignments, students watch online tutorials with embedded practice quizzes. These tutorials are links on the class website and can be accessed on any computer that also shows YouTube videos – all you need is a browser. The media center at CCSF and most computer labs will work. Email me if you encounter problems, so I can keep a log, but it is up to you to ensure you have sufficient technology to meet the needs of the class. Some hints: watch the video early. Internet connections can slow down and stop streaming. If the video doesn’t start up (but it looks like it’s still loading), try a different browser. If that doesn’t work, go to another video on the page (an earlier video) and test if it works. If no longish videos are playing, it’s your internet connection. Give yourself time to handle this situation so you can watch the videos later on campus. YOU CAN ALSO DOWNLOAD ALL THE COURSE VIDEOS to your own computer and watch them when you have time and without internet.
**Chapter Worksheets**

The weekly chapter worksheet questions cover material within the online tutorials and workbook and should be answered after you've watched the tutorial. The weekly online quiz is based on these worksheets, so it's better to complete these worksheets BEFORE taking the quiz. To get full credit for the worksheets, there must be a thoughtful answer to EVERY question (leave nothing blank -- if you don't know an answer, make notes to demonstrate you tried and mark it as something you want to review later in small-group discussions). You get credit for these worksheets by completing them fully, not necessarily by getting the correct answer, and submitting them on time. After completion, you will correct and discuss them with your fellow students. Keys are available for review only if completed worksheets have been submitted. Be sure to correct your worksheets, so you have a correct workbook for exam study.

**Quizzes** – Each week you have a quiz to complete based on weekly video tutorials. Quiz links are accessed through the class website and your CCSF student email. QUIZZES are open notes, open book, and noncollaborative. You will be signing, each time, an honor statement confirming that you took them on your own. It is recommended you watch the online videos AND complete the accompanying worksheet before you take the quizzes, as they will both help you on the quiz. There are no makeups on quiz scores, but you can always take them ahead of time, so plan ahead. To handle emergencies, your two lowest quiz scores for the semester will be dropped.

**Weekly activity** – Each week’s content will be further explored through a weekly activity where you will delve deeper into the content, exploring real data for real phenomena world wide or through practice of quantitative or other skills. This will also be reviewed and discussed and corrected with the rest of the class. As with the chapter worksheets, to get full credit, there must be a thoughtful answer to EVERY question (leave nothing blank -- if you don’t know an answer, make notes to demonstrate you tried and mark it as something you want to review later in small-group discussions).

**Weekly discussions** – Your participation in discussions is part of your total homework grade. Use these to ask and answer questions related to class topics especially those related to workbook figures, tables, and data.

**Face-to-Face students**: Class review of homework will take place at the start of class. You will be able to participate in these assignment corrections and discussions ONLY if you arrive to class on time and have your worksheet 100% complete (answers don’t have to be right, but thoughtful answers have to be given for every question). Students who are late to class will be assigned to groups (as you arrive). Students who arrive more than 10 minutes after class starts or are absent for any reason will receive no credit for this discussion.

**Online students**: See the online discussion boards, and be sure you contribute to these each week to get full points.

**Exams** – There are four exams in the class. Exams consist of multiple choice, short answer, and short essay questions that cover topics that have appeared on chapter worksheets, activities, and the Memorization sheet in the appendix. Exams are closed notes, closed book. Individual effort only. **If you need more than the allotted time to complete an exam, please make arrangements with me ahead of time. NO DICTIONARIES OR ELECTRONIC DEVICES ALLOWED (CALCULATORS OK, BUT UNPROGRAMMABLE ONES ONLY).** Please ask me during the exam if you don't understand a question. You will need to bring your own pencil and eraser. **You must take exams and quizzes on scheduled days.** Exceptions are made for extenuating circumstances and only if arrangements are made to take the exam early or prior to the next class meeting.

**Attendance** – Your attendance will be tracked through homework completion and quiz/exam completion. If you miss 2 weeks of homework, 2 quizzes, or 1 exam (without making contact with me and plans to resolve), you will be dropped. Since being dropped from class might affect your financial aid or student visa status, if you want to stay enrolled be sure to keep attending class and contributing. *NOTE: After the first week of the semester, no shows will be dropped.*

**Cheating and plagiarism** – The highest level of integrity is required for all quizzes and exams and assignments. You are expected to do your own work, and have your own unique answers to questions. Anyone found cheating or plagiarizing the work of others will receive a zero on the exam or quiz and face disciplinary action at the college. PLAGIARISM = copying other people’s words or drawings without giving them credit.

**Late assignments** are accepted, but for a maximum of 10% of the assignment grade. However, only submitted assignments get access to the keys, so submissions are encouraged, even if late. Note: a total of 2 weeks of assignments are dropped for all students to handle the inevitable list of emergencies or illnesses or forgetfulness that cause the occasional missing of a deadline.

**Special accommodations**: Any student is welcome to ask for additional time or quiet rooms to take the exam in a quiet room, but these accomodations must be arranged in advance. Students with disabilities who need further academic accommodations should request them from the Disabled Students Programs and Services (DSPS) located in the Rosenberg Library, Room 323 on Ocean Campus. 415-452-5481 (V) 415-452-5451 (TDD).

**Cancelled classes** – If class is cancelled, for any reason, keep up with homework assigned on syllabus.

**Leaving class** – When arriving late to class or leaving class while it is in session, please be as nondisruptive as possible. There is no need to ask permission or give excuses. You're all adults, so I assume you're making the best choices for yourself.

**Eating and drinking** – **No gum chewing.** No food or spillable drink containers on tables or desks during class.