Yes, the original title of this course is misleading. Because it takes so long to officially set up a new course, we have coopted an old listing for this new seminar focused on reading and discussing peer-reviewed publications on several aspects of geophysics. Many of the papers we discuss will involve California in some way, but that is not the primary objective of this class.

This course is a true graduate-level seminar. Rather than a combination of lecture and discussion, the entire class format will be centered on discussing journal articles in a focused but conversational way. There will not be problem sets or quizzes, but you will have weekly writeups on each paper. The majority of your grade will be based on your attendance and participation in these discussions, as well as on completing the paper writeups. Additionally, we will have several invited speakers present to the whole department this semester (these will be on Tuesdays, 12:30-1:30, specific dates largely TBA). Attendance for these speakers’ presentations is also mandatory, as we will be discussing them in class as well.

This semester, we will focus on three different topics: tracking surface deformation from space, determining subsurface structure, and experiments in rock friction.

By the end of the semester, you should be able to:

- Skim a paper and pick up its key points.
- Write a simplified paper summary that can also serve as a reference/index to that paper.
- Describe several applications of satellite geodesy.
- Describe several types of rock friction experiment, and their different purposes.
- Describe several ways to study the Earth’s subsurface, and their applications.

This is a 500-level course, geared toward graduate students working on a MS in either geophysics or geology. It addresses the following Student Learning Outcomes:

- Apply theoretical, conceptual and observational knowledge to the analysis and interpretation of geologic data.
- Compile and critique geologic literature pertinent to original research.
- Communicate geologic knowledge, findings and interpretations in reports, both written and oral, that are well organized, well illustrated and professionally presented.
Grading
There is not a specific point-based percentage-focused rubric for this class. Your grade is based on the following things:

- Weekly attendance. For a discussion-based class, simply being there is key.
- Active participation in discussion. Ideally, I would like you to speak up on your own, but be prepared for me to call you if you don’t. If you can’t add to the discussion after I’ve called on you, that’s a problem.
- Completing the writeups for each paper. Don’t stress too much if your initial answers are incorrect; I’ll be looking to see that you’ve completed something, and that you’ve taken notes on the correct answers during class.
- Attendance to guest speaker seminars. There will only be two or three, but you need to be there.
- Final paper. Ten pages (not including references) either going into more depth on one of the topics we’ve read about in class, or going into more depth on the work of one of the invited speakers.

Late Work Policy
I will deduct 25% per day late, counting from the end of the class period on Monday. This means the latest you can turn anything in and still get partial credit is 1:45 PM on Friday. There is no way to make up for missing a class period, however.

Your Responsibilities
- Come to class prepared. This means having done the assigned readings and being ready to discuss them, as well as having done the prep sheets on time.
- Respect your classmates and professor. This is a discussion-based class, so please treat everyone as you wish to be treated in a learning environment. Respect includes being on time, paying attention to each other, and putting social media away during class.
- Please let me know as soon as possible if you will be absent or unable to turn in an assignment on time. The later I find out that you may miss something, the harder it will be for me to make accommodations for you.
- If you need any special physical or learning accommodations, please let me know as soon as possible. I can’t account for things that I don’t know about.

My Responsibilities
I am here to help you learn. I certainly hope that I can also instill some enthusiasm about this topic in you, but at the very least, I am here to help you learn this material. I cannot do the learning for you, but I’ll do what I can to facilitate. You can expect me to be available for class and office hours, and to be readily reachable by email.
**Dr. Lozos’ Email Policy**
If you have a question or are confused about something, by all means, email me! You don’t have to wait until office hours to come talk. That said, here are a few things to keep in mind.

- I get a lot of email, and my spam filter is a little trigger happy. If you haven’t heard back from me within 36 hours of sending your message, please send me a reminder!
- If you email me less than 12 hours before class (i.e. later than 11 PM on Sunday night), I do not guarantee you a response before class.
- I set aside my Fridays for my own research. Don’t expect a response from me on a Friday.

**Course Materials**
Because this is a literature seminar, our entire set of readings will be journal articles. There is no textbook. I will post all of the articles on Canvas. If you’re having trouble accessing them, please let me know as soon as possible!

**Some Key Dates**
3 September: NO CLASS (Labor Day)
10 September: NO CLASS (Southern California Earthquake Center meeting)
17 September: This is our second class period. Don’t forget!
2 October: Guest speaker (Gareth Funning, UC Riverside)
22 October: NO CLASS (Dr. Lozos will be at a conference in Japan)
17 December: Final paper due, 11:59 PM