

# ASTR 598 - Statement of Work

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## Topic

The topic of this course will be Coronal Seismology. This is rather broad, which should help to put my previous research into context, as well as reveal other possible thesis topics.

## Coursework

The four points of emphasis as laid out by the syllabus for ASTR 598 are addressed as follows:

1. **Literature review capabilities:** This will be the main component of the course. I will read at least one review article each week. I will continuously update the writeup, and possibly the presentation (both described below) to develop this habit permanently.
2. **Scientific writing skills:** I will complete a writeup describing the background information from the literature, general relevance to science/astronomy, possible projects, and how the research I have done so far ties into the main topic of coronal seismology. I will probably use the `aastex` style.
3. **Scientific presentation skills:** I will present the results of this course at a pizza lunch talk on April 25th at 12:30pm.
4. **Experience with one or more research investigation tools:** As most of the work I have done so far has involved data analysis, this part will comprise the smallest bit of the time spent specifically for this course, though I will continue to work on it for my regular research.

## Milestones

- 2/4/16 Read Nakariakov: “Coronal Waves and Oscillations” and choose another review article to read.
- 2/11/16 Read the chosen article from above, review wave concepts, and re-read the Nakariakov article. Also develop a way to stay organized for the course, as I have already lost my to-do list.

## **Schedule**

We will meet every Thursday at 11am to discuss the assigned reading for that week, ensure that I am still on track, and make any necessary changes or additions to the statement of work. Outside of this meeting, I plan on spending at least eight hours a week addressing the points listed above.