

ASTR 598 - Statement of Work

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Spring 2016

Topic

The topic of this course will be Coronal Seismology. This is a rather broad topic, 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, along with the portion of time spent addressing each one are 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.
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.

Schedule

We will meet every Thursday at 11am to discuss the assigned reading for that week. Outside of this meeting, I plan on spending at least eight hours a week addressing the points listed above.