

Math 4933  
Section: 002

**Mathematics Major Seminar**  
TTh 2:00 – 3:15  
SCEN 405

Spring 2018  
Prof. Matthew Clay

## Written Project

**Assignment:** Write a paper on a topic in mathematics or statistics of your choosing approved by the instructor. The mathematical content of the project is to reflect the content of the courses in the undergraduate major. The paper is to be written at a level understandable by your fellow seminar students. This paper can be used to satisfy the Fulbright College Writing Requirement.

**Details:** The paper must contain substantial mathematics or statistics (i.e. cannot solely be a biography of a mathematician), a bibliography of references (using either APA or MLA, denote which style is used), be organized by sections, and be 10–15 pages long (not including references) with 1.5 line spacing and 12 point type. In order to appropriately include mathematics in the paper, you will need to use some mathematics software such as Equation Editor, MathType or  $\LaTeX$ . The rubric provides details regarding grading of the project.

**Topic Selection:** Choose a topic that is unique and interests you but also one that is accessible to you given your current mathematical background.

Resources for help in choosing a topic:

- mathematics section in Mullins Library (QA – 4th floor) or SCEN 349
- MAA Periodicals: Math Horizons, Mathematics Magazine, The American Mathematical Monthly, The College Mathematics Journal (all available online)
- Stephanie Pierce – Physics and Mathematics Librarian, PHYS 221B, email: [sjpierc@uark.edu](mailto:sjpierc@uark.edu)
- instructor or text book of a previous mathematics course you have taken
- me!

Focus your research on a particular aspect of your topic to provide adequate depth.

### **Important Dates:**

- Thursday, January 25: Title and three sentence description of project
- Thursday, February 8: Outline of project
- Thursday & Tuesday, February 15 & 20: 3 minute project presentations
- Week of February 26 - March 2: One-on-one meeting with Prof. Clay
- Tuesday & Thursday, March 13 & 15: 3 minute project presentations
- Thursday, March 15: First draft of project
- **Tuesday, April 17: Final version of project**
- Tuesday, April 17 - Thursday, May 3: 10 minute project presentations