Rhodes College

Basic Info:
- Meeting times: Monday/Wednesday 2:00 pm
- The MHP

Instructor:
- Betsy Williams Sanders
  - Office: Olendorf 420
  - Office Phone: 901.843.3791
  - Email*: sandersb@rhodes.edu

Office Hours:
- **TBA**
- By appointment

Book and Resources:
- There are no books that you are responsible for purchasing, however the department will purchase some books and make them available to you.
- It will be helpful to search the web for topics that you need further information on.
- If there is a journal article or other paper that you are interested in reading and cannot access, please let me know and I will see if I can make it available to you.
- I encourage you to stop by my office at any time and chat about our research.

Prerequisites:
- The course is for senior Computer Science majors.

Course Description:
- The Senior Seminar is the culmination of the Computer Science major's experience in the department. In this class, we will work together to solve a research question and contribute to the field of computer science.
- Your research problem was written and defined last semester as part of last semester's Senior Seminar.
- One of primary goals of this seminar is to expose you to state-of-the-art research in computer science and to explore issues related to ethics and professionalism in computer science.
- Senior Seminar is an integrative course. It draws on all of the courses that you have had so far, including both general education and major courses.
- Senior Seminar is a seminar. We each come to each class prepared to contribute what we have learned.
- Assignments are sometimes different for each student. Then when we come together, we tell each other what we have discovered about our part of the assignment.
- You will be expected to work together as a group outside of this class time and come up with ways of solving problems on your own.
- At the end of the semester, you will present your work at Senior Research Day.

Weekly Assignments:
- Since you are working together on a large project, I will want to see weekly updates of the project. These will count as your "assignments".
- There will also be reading assignments that we will discuss in class. During the course of the semester, we will take turns presenting research papers to the group.

Midterm Presentation:
- You will each give a 10 minute presentation regarding what work you have done and what needs to be done by the end of the semester
- DATE: Wednesday, February 29th at 2pm, location TBA

Final Written Assignment and Presentation:
- You will each give an individual 30 minute presentation on Wednesday, April 25th/Thursday April 26th, time and place TBA
- You will write up your results in a research style paper (as outlined in a document I will provide). It is due Friday, May 4th at midnight.

Grade Breakdown:
- 30 % Participation
- 40 % Assignments
- 10% Midterm Presentation
- 20 % Final Written Assignment and Presentation

Grade Assignments:
- Grading is based on the below scale:
  - **A : [93%, 100%]**
  - **A- : [90%, 93%)**
  - **B+ : [87%, 90%)**
  - **B : [83%, 87%)**
  - **B- : [80%, 83%)**
  - **C+ : [77%, 80%)**
  - **C : [73%, 77%)**
  - **C - : [70%, 73%)**
  - **D : [65%, 70%)**
  - **D- : [60%, 65%)**
  - **F : [0%, 60%)**

Attendance:
- Attendance is expected, please let me know if you have specific problems.

Special Accommodation:
- If you are in need of special accommodations, please register with the Office of Student Disability Services (http://www.rhodes.edu/disability) as soon as possible so that all necessary arrangements can be made.

Scholastic Behavior
- Plagiarism, cheating, and similar anti-intellectual behavior are serious violations of academic ethics and will be correspondingly penalized. If you are concerned about a possible violation of this kind, please talk with me. I understand the pressure that students may experience while at Rhodes, and I will try to help as best as I can.
- In this course you are encouraged to look online and use all available resources. However, when you write your final paper, you must site related work.

Course Outline:
- The course will cover the following topics (not necessarily in this order):
  - Experimental Design
  - Running Experiments
  - Analyzing Results
  - Writing and Presenting your work.

The instructor reserves the right to alter this syllabus as necessary.