

Mathematics/Computer Science 486

Senior Seminar Fall 1998

Time and Place: Tuesday 4:00pm 225 Ohlendorf (or computer lab as needed)

Coordinator: Dave Feil

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Office Hours: Monday 2:00-4:00

Tuesday 1:00-3:00

Wednesday 1:30-3:00

Thursday 9:00-11:00

Purpose and Goals: The department's goal is to produce majors who are knowledgeable, articulate both orally and in writing, and enthusiastic. Each seminar student has selected an appropriate topic, and will learn as much as possible while drawing on their past education, make presentations to their peers, and provide a well-written summary of what they have learned. They will also be expected to engage with other presenters.

Design: Each student has been assigned an informal advisor to consult with outside of seminar.

Each student will give three presentations during the fall term. For your first talk, an introduction to your project/topic, you will have about 30 minutes (including question and answer time). Thus we will have two talks per class for each of two weeks. For the second and third presentations you will have the entire hour.

After each presentation, the presenter will hand out an appropriate homework assignment. This homework will be due at the beginning of the next seminar meeting. The presenter may answer other students' general questions but may not give assistance on the assignment. Any uncertainty may be dealt with by the presenter' advisor. Their presenter will consult with the advisor in designing the assignment and will assist in its grading as the advisor sees fit.

Grading: Input from all of the faculty will be considered in grading. The breakdown is as follows.

Presentations (including design of homework)	
Talk 1	15%
Talk 2	20%
Talk 3	20%
Subtotal	55%
Homework	20%
Term Paper	25%
TOTAL	100%

All work will be conducted according to the Rhodes College Honor Code.

Schedule (Tentative): Switching of time is allowed only if all affected parties agree and the coordinator is informed. Note that there are no talks scheduled for Nov. 24 and a Guest speaker is slated for Dec. 8. The quest speaker(s) may not be speaking on Dec. 8 but rather at another time in the term. The price for an early start to the Thanksgiving holiday is your attendance at these Math/CS department sponsored talks.

Sept. 1	Introduction	Sept. 8	Guest Speaker
Sept. 15	Tansey & Wottle	Sept. 22	Quigley & Carpenter
Sept. 29	Tansey	Oct. 6	Wottle
Oct. 13	Quigley	Oct. 27	Carpenter
Nov. 3	Tansey	Nov. 10	Wottle
Nov. 17	Quigley	Nov. 24	No talks
Dec. 1	Carpenter	Dec. 8	Guest Speaker

Gerry Tansey (Axiomatic set theory including the Axiom of Choice) – Faculty advisor, Dr. Feil

Mike Wottle (Application of software analysis and design to a track meet management program) – Faculty advisor, Dr. Shelton

John Quigley (FM modem with error correction and encryption software) – Faculty advisor, Dr. Gottlieb

John Carpenter (RSA and related issues such as computational complexity) – Faculty advisor, Dr. Linderman