CAAM 335 Syllabus Fall 2014

Instructor: Steve Cox, DCH 2007, x5192, cox@rice.edu.
Office Hours: Monday 2-3, Tuesday 3-5 or by appt.

Class: MWF 11-11:50am, HRZ 212
Recitation: Thursday 9-11pm, HRZ 212. Teaching Assistant: Charles Puelz

Required Text: Linear Algebra in Situ course notes at Campus Bookstore.
Code for Figures: http://www.caam.rice.edu/~cox/LAIS/
CAAM 335 Lab: http://www.caam.rice.edu/~caam335lab/

Schedule and Reading Assignments

1. Orientation, §§1–3, Aug. 25, 27
2. Electrical Networks, §§1–2, Aug. 29, Sep. 3, 5
3. Mechanical Networks, §§1–3, Sep. 8, 10, 12
4. The Column and Null Spaces, §§1–3, Sep. 15, 17, 19
5. The Fundamental Theorem of Linear Algebra, §§1–3, Sep. 22, 24, 26
7. Metabolic Networks, §§1–3, Oct. 6, 8, 10
10. Complex Integration, §§1–3, Oct. 29, 31, Nov. 3
11. The Eigenvalue Problem, §§1–2, Nov. 5, 7, 10
12. The Symmetric Eigenvalue Problem, §§1–2, Nov. 12, 14, 17
13. The Singular Value Decomposition, §§1–2, Nov. 19, 21, 24

Owlspace Pledged Quizzes, Fridays, over assigned reading.

Three take-home Pledged exams.
   Exam 1. Chapters 1–4, Due Sep. 26
   Exam 2. Chapters 5–8, Due Oct. 27
   Exam 3. Chapters 9–13, Due Dec. 5

Grade = 20% per exam, 40% for quizzes.

Any student with a documented disability seeking academic adjustments or accommodations is requested to speak with me during the first two weeks of class. All discussions will remain as confidential as possible. Students with disabilities will need to contact Disability Support Services in the Allen Center.