SYLLABUS

Instructor: **Dr. Charles E. Hughes**
                     Office: HEC247C; charles.e.hughes@knights.ucf.edu ; Use Subject COP3402
Class: **TR   12:00pm – 1:15pm**
Office Hours: **TR   9:45am – 11:15am**
GTA hours: **M 2:30PM – 4:30PM; Remo Pillat, 308 HEC; rpillat@knights.ucf.edu**
Texts: *System Software Knights* (**SSK**), University of Central Florida Custom Edition, Pearson Custom Publishing 2008, ISBN 978-0-555-04647-0+Notes
Secondary References:
Compilers: Principles, Techniques, & Tools, Second Edition by Alfred V. Aho, Monica S. Lam, Ravi Sethi, and Jeffrey D. Ullman
System Software: An Introduction to Systems Programming, Third Edition by Leland Beck
Concepts of Programming Languages, Eighth Edition by Robert W. Sebesta
Operating Systems: Internals and Design Principles, Sixth Edition by William Stallings
Rules to Abide by
  Do Your Own Work
  –   When you turn in an assignment, you are implicitly telling me that these are the fruits of your labor. Do not copy anyone else's homework or let anyone else copy yours. In contrast, working together to understand lecture material and solutions to problems not posed as assignments is encouraged. Cheating on an assignment will result in an F on that assignment for the first infraction and an F for the course on the second. This can also lead to administrative action at the university level.
  Late Assignments
  –   Each assignment will have a due date and 10% will be subtracted for each day late (up to 2 days late, 20% off; more than two days late results in no credit)
  Exams
  –   No communication during exams, except with me or a designated proctor, will be tolerated. A single offense will lead to termination of your participation in the class, the assignment of a failing grade and probable administrative action at the university level. (See http://z.ucf.edu)
  –   Exams can only be made up under extreme extenuating circumstances. Traffic and malfunctioning alarm clocks are not valid excuses. If you miss an exam, you are responsible for contacting the instructor immediately. If you have not contacted the instructor within one day of the exam, you cannot make it up even if you had a legitimate reason for missing the exam, unless the circumstances preventing you from taking the exam also caused you to be unable to contact the instructor.
  –   I don't do extra credits unless I do them for the whole class and that is very, very rare.
Grading Policy:
  –   Mid Term(s) -- 20%
  –   Final Exam -- 30%
  –   Programming and Other Assignments -- 20%
  –   Final Programming Project -- 25%
  –   Wild Card -- 5% (for instance, to add weights to exams if I do a second midterm)
  –   Grading will be A >= 90%, B+ >= 87%, B >= 80%, C+ >= 77%, C >= 70%, D >= 60%, F < 60%.
Attendance: I do not take attendance but I expect it, and I expect you to arrive on lime. If people begin arriving late or missing class as a matter of habit, I will begin taking attendance or having unannounced quizzes. If you have legitimate reasons for arriving late or leaving early, please inform me ahead of time, and please enter or leave the classroom as unobtrusively as reasonable.
Expected Outcomes
• You will gain a solid understanding of various types of systems software (purpose, challenges, theoretical framework, various options for implementation).
• You will have a strong sense of the computational bounds that drive various strategies and compromises.
• You will hone your skills as software designers and programmers.
• You will (hopefully) come away with stronger formal proof skills and a better appreciation of the importance of discrete mathematics to all aspects of CS.