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| COURSE INFORMATION | Location: CB 102<br>Class Times: TR 12:30-13:45<br>Instructor: Dr. Karl Frinkle<br>Office: MTH 112<br>Office Hours: MWF 13:00 – 15:00,<br>TR 11:00 – 12:15<br>Office Phone: (580) 745 – 2028<br>E-mail: kfrinkle@se.edu<br>Website: <a href="http://homepages.se.edu/kfrinkle">http://homepages.se.edu/kfrinkle</a>   |
| TEXT               | No textbook required, but we will use many computer science and mathematics books and resources.  |
| SOFTWARE           | We will be using C and C++ on our Beowulf clusters, and some knowledge of <i>Mathematica</i> will come in handy.  |
| COURSE OBJECTIVES  | This course will help bridge the gap between mathematical theory, programming, and problem solving. Many topics in mathematics will be covered, as well as programming algorithms, with an emphasis on efficiency.  |
| COURSE OUTLINE     | <p>The main focus of this course will be in the development of critical thinking skills required to solve complicated problems which require programming, mathematical, and analytical skills. We will attempt to solve as many problems as possible from the UVa Online Judge website. Teams of three students will work together to solve these problems, and we will discuss mathematical theories behind many of these problems, as well as analyzing subsequent algorithms which are to be submitted to the website for verification.</p> <p>At least once every two weeks, we will have team competitions to see who can solve one or more problems, in class, the quickest. After these regular problem solving classes, we will discuss group approaches to the problems given.</p> |
| ASSIGNMENTS        | You will be given numerous problems to solve throughout the semester, and these are to be solved as part of a team. Those enrolled in the CS 4973 course will be given programming specific problems throughout the semester, while those in Math 4973 will be given math specific problems. In either case, the topics will relate to current problems that teams are attempting to solve. <i>It is expected that you will work in groups outside of the classroom.</i>  |
| GRADES             | Your final grade will be based upon the following items <ul style="list-style-type: none"><li>• 20% - Class Participation/Attendance</li><li>• 30% - Homework Assignments</li><li>• 30% - In Class Problem Solving Sessions</li><li>• 20% - Final Exam</li></ul>  |
| POLICIES           | <p>You will not be able to make up a quiz or receive credit for any assignment which is past due unless you notify me ahead of time. Given prior notification of an absence, I will ensure that you can take the quiz or hand in your homework at a more convenient time.</p> <p>Cheating will not be tolerated in any shape or form. If you are caught cheating, it will be reported to the appropriate academic offices, and appropriate action will be pursued and you will fail the course.</p>   |

It is expected that everyone will behave in a kind and courteous manner towards fellow students and the instructor. Please be polite to your fellow student they are feeling just as much pain as you.

I reserve the right to change any policies as I see fit to ensure that you are indeed receiving the best possible education that I can give you in the subject matter at hand. If I feel a certain aspect of the course does not appear to be effective in its method, I will attempt to change it (for the better I hope). All changes will be made in writing.

- IMPORTANT DATES FOR SPRING 2016
- 2016.01.11 - Classes begin
  - 2016.01.15 - Last day to enroll in or add classes
  - 2016.01.15 - Last day to drop a class with no grade record
  - 2016.01.15 - Last day to drop a class with refund/no charges
  - 2016.01.18 - Martin Luther King Jr Day (no class)
  - 2016.01.22 - Faculty Certifications due by noon on this day
  - 2016.03.02 - Assessment Testing Day
  - 2016.03.14–18 - Spring Break
  - 2016.03.25 - Easter Holiday
  - 2016.04.01 - Last day to complete final application for graduation
  - 2016.04.08 - Last day to drop a class
  - 2016.05.05 - Final Exam, from 11:00-13:00
  - 2016.05.06 - Semester ends
  - 2016.05.07 - Commencement

SPECIAL ACCOMMODATIONS Any student needing special accommodations due to a disability should contact the Coordinator for Disability Services, GDJ Student Union, Suite 328 or call (580) 745–2392 (TDD# 745–2704). It is the responsibility of each student to make an official request for accommodations to the Coordinator.

AT-RISK STUDENTS Any student experiencing mental or emotional issues who desires free, confidential, clinical counseling is encouraged to contact the SE Counseling Center at (580) 745–2988 to schedule an appointment during normal working hours Monday – Friday, 8:00 AM to 5:00 PM. For after hours mental health emergencies, please call SE Campus Police at (580) 745–2911 or the Mental Health Crisis Hotline at 1–(800)–522–1090.

EQUAL OPPORTUNITY STATEMENT In Compliance with Title VI of the Civil Rights Act of 1964, Executive Order 11246 as amended, Title IX of the Education Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, and other Federal Laws and Regulations, Southeastern Oklahoma State University does not discriminate on the basis of race, color, national origin, sex, sexual identity, sexual orientation, age, religion, handicap, disability, or status as a veteran in any of its policies, practices or procedures, this includes but is not limited to admissions, employment, financial aid, and educational services.

TITLE IX OF THE EDUCATION AMENDMENTS OF 1972 (20 U.S.C. §1681) states: “No person in the United States, shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving federal financial assistance...” Southeastern Oklahoma State University does not discriminate on the basis of sex in its education programs or activities, in compliance with Title IX and the U.S. Department of Educations regulations at 34 C.F.R. §§86.1 et seq. Individuals who believe they have been discriminated against on the basis of sex may contact S.E.’s Title IX Coordinator at (580) 745–3090, titleix@se.edu, or PMB 2750.