

**MAT 247- Elementary Real Analysis**  
**Fall 2009**

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- **Lectures:** MWF 11:00AM-11:50AM, STV 136B.
- **Instructor:** Gaywalee Yamskulna
- **Office & Telephone:** STV 106C, 438-7989.
- **Email:** gyamsku@ilstu.edu.
- **Office Hours:** Monday 2:00PM-3:00PM, Wednesday 1:30PM-3:00PM, Thursday 10:00AM-11:00AM, and by appointment.
- **Course Web Site:** <http://lilt.ilstu.edu/gyamsku/mat247-fall2009.htm>.
- **Textbooks:** Required: *Fundamental Ideas of Analysis* by Michael Reed.
- **Prerequisites:** C or better in MAT 147 and MAT 175.
- **Course Outline:** I intend to cover the material in Sections 2.1, 2.2, 2.4-2.6, 3.1-3.3, 3.5-3.6, 4.1-4.3, 4.5, 5.1-5.3, 5.6-5.7, and 6.1-6.4
- **Course Content:** We will carefully examine the theory of calculus through the study of properties of the real line.
- **Homework(20%):** Problems from the text will be assigned daily. WFM homework assignments will be collected on the Friday of each week. Work must be organized and legible. I will not accept late homework.
- **Exam 1 (25%):** we will have an exam 1 in class on Friday, 25 September 2009.
- **Exam 2 (25%):** we will have an exam 2 in class on Friday, 6 November 2009.
- **Final (30%):** We will have a final exam on Thursday, 10 December 2009 from 7:50 am to 9:50 am. The exam will be comprehensive, covering the whole course.
- **Grading Scale:** Grades for the course are based on the following percentages: **A** [85,100] **B** [75,85) **C** [65,75) **D** [55,65) **F** [0,55).
- **Withdrawal:** The last day to withdraw and receive a grade of WX is 9 October 2009.
- **Disability concerns:** Any student needing to arrange a reasonable accommodation for a documented disability should contact Disability Concerns at 350 Fell Hall, 438-5853(voice), 438-8620(TDD).
- **Warning:** Plagiarism and cheating are serious offenses. Penalties can range from a minimum of a zero grade on the invalid instrument to expulsion from the University.