Class Syllabus / Policy

Fall 2012
MTH 143.003, 143.004
Finite Mathematics

Name: Dr. Robert Fleet
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Office: 339Math/Nursing
Office Hours: 10-11, 2-3 MWF, 2-3 TT

Class meeting time and place: 143.003, 9:30-10:45 TT, Rm 214 Math/Nursing; 143.004, 11-12:15 TT, Rm 214 Math/Nursing.

Text and Materials: Mathematical Applications for the Management, Life, and Social Sciences, 9th Edition by Harshbarger and Reynolds

Course Requirements: There will be three in-class exams and a comprehensive final exam. No makeup exams. The comprehensive final exam will count in place of a missed exam. Student ID with photo is required for all exams. Homework assignments consisting of textbook exercises will be made on a regular basis but will not be turned in for a grade.

Department syllabus: Please read the official Department of Mathematics & Statistics syllabus for MTH 143 at http://www.sfasu.edu/math/courses/syllabi/Mth143 Syllabus.pdf.
Course outline: Approximate time spent

**Functions** 30%

Linear Functions
- Quadratic Functions
  - Maxima and Minima

Special Functions
- Exponential Functions
  - Solutions of exponential equations

Logarithmic Functions
- Solutions of logarithmic equations
  - Applications (e.g. break-even analysis, supply and demand)

**Matrices** 20%

Operations of Matrices
- Gauss-Jordan Elimination

Inverse of Square Matrices
- Applications (e.g. systems of equations)

**Linear Programming** 30%

Graphical Method

Simplex Method
- Maximization
- Duality and Minimization
  - Mixed Constraints (Optional)

**Mathematics of Finance** 20%

Simple Interest

Compound Interest

Annuities
- Ordinary Annuities; Future Value and Present Value
- Annuities Due; Future Value and Present Value
- Deferred Annuities; Present Value
  
  Loans and Amortization

**Student Learning Outcomes (SLO):** At the end of MTH 143
**Grading Policy:**
Each exam will constitute 25% of the student's final average. A final average ranging from 90 to 100 will be an A in the course, 80 to 89 a B, 70 to 79 a C, 60 to 69 a D, and below a 60 will be an F.

**Attendance Policy:**
Students are expected to attend all class meetings, arriving on time
If you carry a cell phone or pager, please set the ringer to silent mode, and do not send or receive messages during class.

**Academic Integrity (A-9.1)**

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

**Definition of Academic Dishonesty**
Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at [http://www.sfasu.edu/policies/academic_integrity.asp](http://www.sfasu.edu/policies/academic_integrity.asp)
Withheld Grades Semester Grades Policy (A-54)
Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

The circumstances precipitating the request must have occurred after the last day in which a student could withdraw from a course. Students requesting a WH must be passing the course with a minimum projected grade of C.

Students with Disabilities
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.