

MATH 100 Schedule, Fall 2012

Tues., Aug. 21 [Fasshauer, E1 122]: Applied Mathematicians – Who are we, and what do we do?

HW: Read “Students start here” and Ch. 1 of Devlin, Career profiles (due Aug. 28)

Thur., Aug. 23 [Weening, E1 122]: Problem Solving and Writing, Professional Organizations

Tues., Aug. 28 [Weening, E1 122]: Career Profile Presentations

HW: Read Ch. 1 of ExM

Thur., Aug. 30 (LAB, E1 029) [Hickernell]: MATLAB (Intro, Ch. 1 Iteration)

HW: Exercises Ch. 1: 1, 2, 6, 8, 10, 11, 16 (goldrect.m on my website) (due Sept. 6)

we will work on these problems in class Sept. 4

Assign Mathematical Scavenger Hunt problems (due Sept. 18)

Tues., Sept. 4 (LAB, E1 029) [Hickernell]: MATLAB (work on HW problems)

Thur., Sept. 6 [Weening, E1 122]: Project Selection

- Fibonacci Functional Equations – I. Cialenco
- The Exponential Function in Finance – F. Hickernell
- Analyzing Your Social Network Data – L. Kang
- A Simple Model for Tumor Growth – S. Li
- Estimate Travel Times on Freeways – X. Li
- Matrices – Lubin
- Fractals – M. Pelsmajer

Pick/assign projects at end of class

Tues., Sept. 11 [Hickernell, E1 122]: Celestine McGee, CMC

HW: Read Devlin Logic Sect.2.1-2.4 (due Sept. 18)

Thur., Sept. 13 (LAB, E1 029) [Hickernell]: MATLAB (Exercises Ch. 2 Fibonacci, Ch. 3 Calendars)

HW: 2.4, 2.6, 2.8, 3.9 (due Sept. 18)

Tues., Sept. 18 [Fasshauer, E1 122]: Logic, Devlin Sect.2.1, 2.2

HW: Sect. 2.2: 2, 3, 4, 5, 6, 7, 8, 9bc, 11, 12, 21, 22 (due Sept. 27)

Thur., Sept. 20 [Fasshauer, E1 122]: Logic, Devlin Sect. 2.2, 2.3

HW: Sect. 2.3: 4, Sect. 2.4: 1(“odd”), 2(“odd”), 4(“odd”), 5(ac), 6 (due Sept. 27)

Tues., Sept. 25 [Fasshauer, E1 122]: Logic, Devlin Sect. 2.4

Read ExM Ch. 4

Thur., Sept. 27 (LAB, E1 029) [Fasshauer]: MATLAB (Exercises Ch. 4 Matrices)
HW: 4.9, 4.13, 4.14 (due Oct. 2)
no time for Puzzle – Complex arithmetic, Euler identity

Tues., Oct. 2 (LAB, E1 029) [Fasshauer]: MATLAB (Exercises Ch. 5 Linear Systems)
HW: 5.1, 5.4, 5.5, 5.6 (due Oct. 9)

Thur., Oct. 4 (LAB, E1 029) [Fasshauer]: MATLAB (Exercises Ch. 6 Fractal fern)
HW: 6.2, 6.7 (due Oct. 9), EC: Menger sponge

Tues., Oct. 9 (LAB, E1 029) [Fasshauer]: MATLAB (Modeling, Ch.1 Gowers, Ch.8 ExM, Exponential function)
HW: 8.2, 8.3 and two other growth problems (due Oct.16)

Thur., Oct. 11 (LAB, E1 029) [Fasshauer]: MATLAB (Modeling, Ch. 1 Gowers, Ch.8 ExM, Exponential function)

Tues., Oct. 16 [Fasshauer, E1 122]: Mystery Term Presentations

Thur., Oct. 18 [Fasshauer, E1 122]: Proof, Devlin Sect. 2.5 and supplements, Gowers Ch. 3
HW: Sect. 2.5: 1(a,b,c,g), 5(a,b,d), 7(b,c), 8(b) (due Oct. 30)

Tues., Oct. 23 [Fasshauer, E1 122]: Proof, Devlin Sect. 2.5 and supplements, Gowers Ch. 3

Thur., Oct. 25 [Fasshauer, E1 122]: Proof, Devlin Sect. 2.5 and supplements, Gowers Ch. 3

Tues., Oct. 30 [Kaul, E1 122]: Intro to Discrete Math, Part 1/2

Thur., Nov. 1 [Pelsmajer, E1 122]: Intro to Discrete Math, Part 2/2
HW 11 (due Nov.8)

Tues., Nov. 6 [Kang, E1 122]: Intro to Statistics

Thur., Nov. 8 (LAB, E1 029) [Fasshauer]: MATLAB (Ch.15 ExM, ODEs)
HW 12 (due Nov.15)

Tues., Nov. 13 [Fasshauer]: MATLAB (Ch.15 ExM, ODEs)

Thur., Nov. 15 [Cialenco, E1 122]: Stochastics/Finance

Tues., Nov. 20 [Fasshauer, E1 122]: Ethics

Thur., Nov. 23: Thanksgiving – No Class

Tues., Nov. 27 [Lubin, E1 122]: Analysis, Gowers Ch.4, Devlin Ch.4,5

Thur., Nov. 29 [S. Li, E1 122]: Computational Math, Gowers Ch.5,7

Final Exam Date (Mon., Dec.3, 10:30-12:30): Project Presentations