Math 1H03 Course Outline

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Course Home Page:

http://icarus.math.mcmaster.ca/childsa/1h03.html

Instructors

Dr. Aaron Childs (Section 1)

Office: BSB/113
Office Hours: Tuesday, Thursday and Friday 9:30-10:20, Monday 2:30-3:20 and Wednesday 2:30-3:20
Extension: 23426
email: childsa@mcmaster.ca
Home Page: http://icarus.math.mcmaster.ca/childsa/childs.html

Dr. M. McCooey (Section 2)

Office: BSB/130
Office Hours: Monday 12:30-1:30, Wednesday 11:30-12:30 and 3:00-4:00, and Thursday 11:30-12:30 or by appointment
Extension: 23432
email: mmccooey@icarus.math.mcmaster.ca
Home Page: http://icarus.math.mcmaster.ca/mccooey/home.html

Dr. P. Lu (Section 3)

Office: BSB/B126
Office Hours: Monday and Wednesday 9:30-10:20, Friday 9:30-10:20
Extension: 23404
email: lupeng@icarus.math.mcmaster.ca
Home Page: http://www.science.mcmaster.ca/MathStat/postdocs/lu,peng.html

Dr. Z.V. Kovarik (Section 4)

Office: BSB/B130
Office Hours: Tuesday, Thursday and Friday 1:30-2:20
Extension: 23408
email: kovarik@mcmail.cis.mcmaster.ca
Home Page: http://www.science.mcmaster.ca/MathStat/faculty/kovarik.html

Lectures

- Section 1 (Dr. Childs): Monday, Wednesday and Thursday 4:30-5:20 in BSB/147
- Section 2 (Dr. McCooey): Monday, Wednesday and Thursday 10:30-11:20 in TSH/120
- Section 3 (Dr. Lu): Monday and Wednesday 8:30-9:20, Friday 10:30-11:20 in JHE/264
- Section 4 (Dr. Kovarik): Tuesday, Thursday and Friday 11:30-12:20 in JHE/264

Tutorials (**Note:** If you have a conflict, or if you have not been assigned to a tutorial, then go to the Math Office in BSB/133 to register for a tutorial.)

Updated information about your TA's (names, office hours, etc.) will put on the TA Information Page when it becomes available.

Section 1 (Dr. Childs):

- Tutorial 1 - Tuesday 12:30-1:20 in BSB/304
- Tutorial 2 - Friday 11:30-12:20 in BSB/108
- Tutorial 3 - Tuesday 1:30-2:20 in BSB/340
- Tutorial 4 - Thursday 11:30-12:20 in BSB/340

Section 2 (Dr. McCooey):

- Tutorial 5 - Tuesday 9:30-10:20 in GS/102
- Tutorial 6 - Tuesday 3:30-4:20 in GS/101
- Tutorial 7 - Thursday 1:30-2:20 in BSB/108
- Tutorial 8 - Friday 1:30-2:20 in BSB/108

Section 3 (Dr. Lu):

- Tutorial 9 - Monday 1:30-2:20 in JHE/A102
- Tutorial 10 - Thursday 3:30-4:20 in GS/209
- Tutorial 11 - Monday 12:30-1:20 in BSB/235

- Tutorial 12 - Wednesday 1:30-2:20 in GS/101

Section 4 (Dr. Kovarik):

- Tutorial 13 - Wednesday 3:30-4:20 in JHE/A101
- Tutorial 14 - Wednesday 4:30-5:20 in GS/101
- Tutorial 15 - Wednesday 12:30-1:20 in BSB/304
- Tutorial 16 - Friday 8:30-9:20 in BSB/304

Textbook

(Required) "Elementary Linear Algebra - Applications Version" 8th Edition, by Anton and Rorres, Wiley, 2000.
(Required) Math 1H03 Custom Courseware
(Optional) Student Solutions Manual for Elementary Linear Algebra, 8th Edition
(Optional) Custom Courseware Solutions Manual

Material to be Covered

- "Logic and Sets" from the custom courseware (5 lectures)
- "Counting" from the custom courseware (3 lectures).
- "Probability" from the custom courseware (6 lectures).
- Chapter 1 – "Systems of Linear Equations and Matrices" from the textbook (7 lectures).
- Chapter 2 – "Determinants" from the textbook (4 lectures)
- Chapter 3 – "Vectors in 2-space and 3-space" from the textbook (5 lectures)
- Sections 10.1-10.3 – Complex Numbers from the textbook (3 lectures)

Assignment Quizzes

- There will be seven assignments (not to be handed in) and six assignment quizzes
- Assignments will be posted on the assignment page on the dates given below
- Each assignment quiz will consist of 2-4 questions randomly selected from the corresponding assignment (with the numbers possibly changed)
- Assignment quizzes will be 15-30 minutes in length and will be held at the BEGINNING of the tutorial on the weeks given below.
- Assignment quizzes MUST be written in the tutorial that you are registered in. Quizzes written in tutorials other than your own will not be marked.
- The dates and material covered are as follows:

Assignment	Date Posted	Material Covered	Week of Quiz	Solutions Posted
1	Thursday Sept. 7	Sections 1.1-1.3 (Pages 1-37) in the custom courseware	Sept. 18-22	Sept. 22
2	Tuesday Sept. 19	Sections 1.4, 1.5, 4.1, 4.3, 4.6 (Pages 38-95) in the custom courseware	Oct. 2-6	Oct. 6
3	Tuesday Oct. 3	Sections 2.1-2.5, 3.1-3.4 (Pages 97-139) in the custom courseware	Oct. 16-20	Oct. 20
4	Tuesday Oct. 17	Sections 1.1-1.4 in the textbook	Oct. 30 - Nov. 3	Nov. 3
5	Tuesday Oct. 31	Sections 1.5-1.7, 2.1, 2.2 in the textbook	Nov. 13-17	Nov. 17
6	Tuesday Nov. 14	Sections 2.3, 2.4, 3.1-3.4 in the textbook	Nov. 27- Dec. 1	Dec. 1
7	Tuesday Nov. 28	Sections 3.5, 10.1-10.3 in the textbook		Dec. 5

Library

- Copies of solutions to assignments and tests will be available at the reserve desk in Thode Library
- There is also a copy of the textbook and solutions manual on reserve.
- Custom courseware will NOT be available on reserve.

Midterm Test

- There will be one 75-minute midterm test on Tuesday October 24 at 7:00pm.
- The test will cover all of the material in the custom courseware (excluding differential equations).
- Only the McMaster standard calculator Casio fx-991 is allowed.
- It is essential that you bring your McMaster ID card to the test.

Final Examination

- As scheduled by the Registrar.
- Details (e.g., material the final exam will cover, final examination locations, etc.) will be given in class.
- McMaster standard calculator Casio fx-991 is allowed.
- It is essential that you bring your McMaster ID card to the final exam.

Course Evaluation

Assignment Quizzes	20%
Midterm Test	25%
Final Exam	55%

Note: If assignment quizzes or the midterm test are missed because of a family matter or illness you should contact your Associate Dean WITHIN ONE WEEK of the missed work with the appropriate documentation. If the instructor is informed officially by the Associate Dean, then an exemption will be given for the missed work. In this case, marks for missed quizzes will be distributed among the remaining quizzes, and marks for a missed midterm will be added to your final exam.

In case of Difficulty/Problems

- Contact your instructor as soon as possible. Failing that, contact your Associate Dean.
- If you have concerns about preparing for tests and examinations, improving your study habits, giving class presentations, or mastering English as a second language, the Centre for Student Development might be able to help.

Senate Policy Statements

- Your attention is drawn to the following documents:
  Statement on Academic Ethics
  Senate Resolutions on Academic Dishonesty
- Any student who infringes one of these resolutions will be treated according to the published policy.