

# Arts & Science 2R06

## Term 2 Information Sheet

### Course Web Site:

<http://www.math.mcmaster.ca/childs/2r06.html>

### Instructor Information:

Aaron Childs

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Phone: Ext. 23426

Office Hours - Monday 2:30pm-3:20pm, Tuesday 1:30pm-2:20pm, Wednesday 11:30am-12:20am, Thursday 10:30am-11:20am, Friday 1:30pm-2:20pm

### Tutorials and Labs start the week of January 12<sup>th</sup>.

T01 Wednesday 9:30-10:20 in GS/218 – Shelley Cao ([shelleycas@hotmail.com](mailto:shelleycas@hotmail.com))

T02 Tuesdays 3:30-4:20 in KTH/104 – Shilpy Gupta ([guptas4@mcmaster.ca](mailto:guptas4@mcmaster.ca))

L01 Tuesdays 4:30-5:20 in KTH/B121 – Cathlin McNally ([mcathlin@hotmail.com](mailto:mcathlin@hotmail.com))

L02 Thursdays 2:30-3:20 in KTB/B121 – Cathlin McNally

### Assignment Due Dates:

Assignment #1 - 4:00 PM on Friday January 16

Assignment #2 - 4:00 PM on Friday January 30

Assignment #3 - 4:00 PM on Friday February 13

Assignment #4 - 4:00 PM on Friday March 5

Assignment #5 - 4:00 PM on Friday March 19

### Test Dates:

Test #1 – 11:30am-12:20pm on Friday February 6 in BSB/B154

Test #2 – 11:30am-12:20pm on Friday March 12 in BSB/B154

### Project Due Date:

4:00pm on Wednesday April 7

### Material Covered:

- Descriptive statistics (Chapter 1).
- Distribution of the sample mean and linear combinations (Sections 5.4 and 5.5)
- Point estimation (Chapter 6).
- Confidence intervals from single samples (Chapter 7).
- Test of hypotheses based from single samples (Chapter 8).
- Confidence intervals from two samples (Chapter 9).
- The analysis of variance (Chapter 10).
- Simple linear regression (Chapter 12).
- Goodness-of-fit and the analysis of categorical data (Chapter 14).