

BISC-869, Quantitative Methods, Fall, 2024

Time/Location: Thurs, 09:30{11:30, RCB 8104
Thurs, 14:00{16:00, RCB 8104

Instructor: Dr. Leithen M'Gonigle
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Office Location: Shrum Biology B8273
Office Hours: By appointment

Course Website: <https://www.sfu.ca/biology/faculty/M'Gonigle/qm.html>

Grade Breakdown

Assignments	50%
Presenting a talk on a topic/paper	20%
Moderating a discussion on a topic/paper	20%
Participation	10%

Tentative Schedule

Week	Dates	Topic
1	Sept 12	Introduction / Course overview / Introduction to R
		Workshop: Introduction to R
2	Sept 19	Graphics
		Workshop: Displaying data
3	Sept 26	Experimental design
		Workshop: Experimental design
4	Oct 3	Linear models
		Workshop: Linear models
5	Oct 10	Mixed-effects models
		Workshop: Linear mixed-effects models
6	Oct 17	Likelihood
		Workshop: Likelihood
7	Oct 24	Generalized linear models
		Workshop: Generalized linear models
8	Oct 31 [*] /	