

### **Schedule & General information:**

All lecture resources and in-class assessments are delivered via **Nexus**.

Interactive discussions and live lectures are delivered via **Zoom**.

**iClicker** (within interactive sessions) requires the app or access to iClicker website (access code required).

LearningCurve, Which Test is Best, Interpreting Statistical Results, and Practice Quizzes are delivered within **Launchpad** (access code required).

**Sept 7 (Week 1):** Log into Zoom for class. Introductions, Review Course Outline, Nexus, iClicker & Launchpad

**Sept 9:** Watch the following videos (68 mins):

Ch1.ResearchDesignIVDV (12 mins)

Ch1.Types of Variables (8 mins)

2.1 Frequency Distributions

2.2 Grouped Frequency Distributions

Summation (optional – 2.5 mins)

4.1 Central Tendency (12 mins)

4.2 Variability (11 minutes)

**Sept 14 (Week 2):** Log into Zoom for class. Interactive activities – Ch 1, 2 & 4 material & Review

**Sep 15 – Launchpad assignments – Ch 1, 2 & 4**

**Sept 16:** Log into Nexus and Zoom

– In-class assessment #1 – in Quizzes in Nexus (5% of grade). – Ch 1, 2 & 4 (22 mins)

– Watch the following videos (59 minutes):

5.1 Sampling & Probability (8 mins)

5.2 Developing Hypotheses (15 minutes)

5.3 Populations & Hypotheses (15 minutes)

Ch6.EmpiricalRule (11 mins)

Ch6.Zscores (10 min)

**Sept 21(Week 3):** Log into Zoom for class. Interactive activities – Ch 5 & 6 material Live Lecture – Ch 6 & 7  
Before Class: Print out Tables & decision trees from Nexus (in Course Materials & Links or Appendix B).

**Sept 23:** Log into Zoom for class. Live Lecture & Interactive activities – Ch 7 material

**Sept 28 (Week 4):** Log into Zoom for class. Live Lecture & Review

**Sept 30 – National Day of Truth and Reconciliation – No class**

**Oct 3 – Launchpad assignments – Ch 5, 6 & 7**

**Oct 5 (Week 5):** Log into Nexus and Zoom

– In-class assessment #2 – in Quizzes in Nexus (10% of grade). – Ch 5, 6 & 7 (45 mins)

**Oct 7:** Watch the following videos (34 mins):

8.1 Confidence Intervals (15 mins)

8.2 Effect Sizes (8.5 mins)

Calculating Power (10 mins) – optional

Watch the video- Prediction by the Numbers (1 hour):

Via U of W library: <https://uwinnipeg.kanopy.com/video/prediction-numbers>

**Oct 10 -16: Reading Week – no classes**

**Oct 11: Thanksgiving – University closed**

**Oct 19 (Week 6):** Log into Zoom for class. Live lecture - Effect Sizes & Power & Interactive activities

**Oct 21:** Watch the following videos (25 mins):  
Single Sample.2tailed (17 mins)  
Single Sample.1tailed (8 mins)

**Oct 26 (Week 7):** Log into Zoom for class. Interactive activities Ch 9

**Oct 28:** Watch the following videos (50 mins):  
9.4.1 PairedT – Research Design (11 mins)  
9.4.2 PairedT.2tailed (13 mins)  
9.4.3 PairedT.1tailed (10 mins)  
IndependentT.2tailed (10 mins)  
IndependentT.1tailed (5 mins)

**Nov 2 (Week 8):** Log into Zoom for class. Interactive activities – Ch 9, 10 & Review

**Nov 4:** Log into Zoom for class. Optional Review

**Nov 7 – Launchpad assignments – Ch 8, 9 & 10**

**Nov 9 (Week 9):** Log into Nexus and Zoom  
In-class assessment #3 in Quizzes in Nexus (10% of grade). Ch 8, 9, & 10 (45 mins)

**Nov 11 – Remembrance Day – No class**

**Nov 16 (Week 10):** Watch the following videos (54 mins)  
“The Need for ANOVA” (10 minutes) <https://www.youtube.com/watch?v=HgcJ07heUI0>  
11.1 One Way ANOVA (18 mins)  
11.2 Calculating F (8 mins)

**Nov 18:** Watch the following videos (30 mins)  
12.1 Factorial.1 (15 mins)  
12.2 Factorial.2 (14 mins)

**Nov 23 (Week 11):** Log into Zoom for class. Live Lecture & Interactive activities – Ch 11 & 12

**Nov 25:** Watch the following videos (32 mins)  
ChiSquare-1Variable (12 mins)  
Calculating Expected Frequencies - LIVE (7 mins)  
ChiSquare-2Variables (8 mins)  
ChiSquare-Relative Risk (5 mins)

**Nov 30 (Week 12):** Log into Zoom for class. Interactive activities - Ch 15

**Dec 2:** Watch the following videos (54 mins):  
3 Correlation Lectures (30 minutes)  
Equation for a Line (if you need a refresher - 5 min)  
Regression Calculation (7 min)  
Interpreting Regression (12 minutes)

**Dec 7:** Log into Zoom for class. Interactive & Live Lecture – Hypothesis Testing Pearson’s r

**Dec 8:** Log into Zoom for class. Optional Review

**Dec 12 – Launchpad assignments – Ch 13, 14, 15 & 16**

**TBA-** In-class assessment #4 in Quizzes in Nexus (15% of grade). Ch 1-14 (68 minutes)