

School of Health Studies
The University of Western Ontario

Health Sciences 2801a
Research Methods in Health Sciences
Fall 2011

1.1 *Course Information*

! This course is an introduction to the design of health sciences research, providing students with knowledge relevant to the planning and evaluation of research in both laboratory and applied settings. As detailed below, your grade in this course is based on two midterm tests and a final exam.

! *Lectures* – 2 hours

! Fridays, 9:30 to 11:30, SSC 2050

! *Tutorials* – 1 hour

! Some Wednesdays, 10:30 to 11:30, NS 1

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! *Prerequisite Checking*

! You should consult the Western Academic Calendar (www.westerncalendar.uwo.ca) for the requisites of this course. Unless you have either the requisites for this course or written special permission from your Dean to enrol in it, you may be removed from this course and it will be deleted from your

Counselling Office of the student's Faculty of registration — BHSc students should contact the School of Health Studies main office (222 HSB).

8. ! *Scholastic Offences*

! Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site: http://www.uwo.ca/univsec/handbook/appeals/scholastic_discipline_undergrad.pdf .

9.! *Support Services*

! There are various support services available on campus; these include the Student Development Centre (<http://www.sdc.uwo.ca/ssd/>), Student Health Services (<http://www.shs.uwo.ca/student/studenthealthservices.html>), the Office of the Registrar (<http://www.registrar.uwo.ca/>), and the Office of the Ombudsperson (<http://www.uwo.ca/ombuds/>).

10.! *Course Schedule*

| Week! | Date! | Class Topic (and Required Reading) |
|-------|---|--|
| ! | 1! F, Sept 9! | Course Overview |
| ! | 2! F, Sept 16! | Measurement Process (Chapter 1, Cases 1 to 4) |
| ! | 3! F, Sept 23! | Scores (Chapter 2) & Distances (Chapter 3, Cases 5 & 6) |
| ! | ! W, Sept 28! | Exercises — Chapters 2 & 3 |
| ! | 4! F, Sept 30! | Correlation (Chapter 4, Case 7) |
| ! | ! W, Oct 5! | Exercises — Chapter 4 |
| ! | 5! F, Oct 7! | No Class. <i>Midterm One Posted.</i> |
| ! | 6! F, Oct 14! | Measurement Error (Chapter 5, Case 8). <i>Midterm One Due.</i> |
| ! | 7! F, Oct 21! | Measurement Error (continued) |
| ! | ! W, Oct 26! | Exercises — Chapter 5 |
| ! | 8! F, Oct 28! | Meaning of Numbers (Chapter 6). <i>Midterm Two Posted.</i> |
| ! | 9! F, N.2(c) 01 Tf [(F73.6 (wo P) 0.2 (oshTJ/TT1.1 2 (r) -0.2 () 4.4 JI910 352.3525 489 Tmp(t)792 cm BT 10 0 0 -91r | |