

PSYC*3250, Course Outline: Fall 2018

General Information

Course Title: Psychological Measurement

Course Description:

This course is an introduction to the theory of psychological measurement and measurement procedures presently used in psychology. Coverage will include such topics as reliability, validity, factor analysis and test construction, and the measurement of ability, personality, and achievement. You will learn not only how to evaluate psychological tests and measures, but also construct and refine your own. This knowledge is essential for both future practitioners and researchers in the area of psychology.

Credit Weight: 0.50

Academic Department (or campus): Department of Psychology

Semester Offering: Fall 2018

Class Schedule and Location: Monday, Wednesday, Friday from 3:30pm-4:20pm, MacLachlan Building Room 102

Course website: Please regularly visit the course website at <http://courselink.uoguelph.ca> to obtain important information and materials for this course, including instructions for assignments, readings, and lecture slides.

Instructor Information

Instructor Name: Thomas Sasso

Instructor Email: tsasso@uoguelph.ca

Office location: Mackinnon Extension

Office hours: Wednesdays 2:00pm – 3:00pm

GTA Information

Students will be assigned a specific teaching assistant within the first few weeks of class.

GTA Name:	TBA
GTA Name:	TBA
GTA Name:	TBA

Course Content

Specific Learning Outcomes:

Students who successfully complete this course are expected to:

1. Evaluate the appropriateness of different psychological measurement approaches and reject less acceptable methods to solve the problem. (Problem solving)
2. Evaluate the accuracy and quality of data generated and analyses used by others. (Quantitative literacy)
3. Understand the use of numerical data. (Quantitative literacy)
4. Demonstrate ability to interpret data/scores. (Quantitative literacy)
5. Demonstrate a skill set in contemporary software programs and technological formats to serve a variety of functions (e.g., word processing, presentations, data analysis). (Technological literacy)
6. Write with appropriate vocabulary, APA style adherence, proper referencing, and little grammatical, spelling or functional errors. (Written communication)
7. Write in a sophisticated manner clearly conveying the message of the writer to a target audience. (Written communication)
8. Conduct research in a manner congruent with ethical regulations. (Ethical issues in research)

Lecture Content:

Lectures will be coordinated with the readings. The schedule for the chapter readings is provided below along with the schedule for the lectures. To genuinely benefit from this course you need to do the readings prior to attending weekly lectures. Otherwise your experience will be mixed. The readings from the textbook will be supplemented with other material. These will be posted on the course website.

Lectures are designed to both complement and supplement the readings. Substantial material not covered in the readings will be presented during the lectures. Lectures are also designed to present links between the different topics we will be covering. This integration of the material is meant to help you create a more unified (and easier to remember) story for the course and to think more critically about psychological research.

Week	Lecture	Topic	Assigned Readings *
Sept 7	1	Course overview	Course Syllabus and Assignment Outlines
Sept 10	2	Introduction to testing	Chapter 1

Week	Lecture	Topic	Assigned Readings *
Sept 12	3	History of psychological testing	Chapter 2
Sept 14	4	History of psychological testing	CPA response to the Truth and Reconciliation Report
Sept 17	5	Group formation and team contract	In class assignment 1
Sept 19	6	Norms and reliability	Chapter 3
Sept 21	7	Norms and reliability	
Sept 24	8	Validity and test development	Chapter 4
Sept 26	9	Validity	
Sept 28	10	Validity	In class assignment 2
Oct 1	11	Test development	Hinkin (1998) article
Oct 3	12	Test development	
Oct 5	13	Work Period for Term Project	
Oct 8		Thanksgiving Day – No Clas	
Oct 10	14	Theories and individual tests of intelligence and achievement	Chapter 5
Oct 12	15	Theories and individual tests of intelligence and achievement	
Oct 15	16	Group tests and controversies in ability testing	Chapter 6
Oct 17	17	Group tests and controversies in ability testing	
Oct 19	18	Midterm	
Oct 22	19	Data Collection	In class assignment 3
Oct 24	20	Data Collection	In class assignment 4
Oct 26	21	Term project: Entering data (Come to class with SPSS loaded onto your computer)	
Oct 29	22	Term project: Entering data/data analysis	
Oct 31	23	Term project: Data analysis	
Nov 2	24	Testing special populations	Chapter 7
Nov 5	25	Testing special populations	In class assignment 5
Nov 7	26	Origins of personality testing	Chapter 8
Nov 9	27	Work Period for Term Project	
Nov 12	28	Origins of personality testing	
Nov 14	29	Assessment of normality and human strengths	Chapter 9

Week	Lecture	Topic	Assigned Readings *
Nov 16	30	Assessment of normality and human strengths	
Nov 19	31	Work Period for Term Project	Term Project Due (no later than 11:59pm on CourseLink)
Nov 21	32	Industrial, occupational, and career assessment	Chapter 11
Nov 23	33	Industrial, occupational, and career assessment	In class assignment 6
Nov 26	34	Neuropsychological assessment and screening	Chapter 10
Nov 28	35	Legal issues and the future of testing	Chapter 12
Nov 30	36	Question and Answer for Final Exam	

* Additional short readings and videos will be posted on CourseLink throughout the course as assigned content in advance of lectures. This content may be provided after the lecture in cases where class discussion has warranted additional exploration or description of content.

Course Assignments and Tests:

Assignment or Test	Due Date	Contribution to Final Mark (%)	Learning Outcomes Assessed
Midterm exam	Oct 19	25%	1, 3, 6
In class assignments	Sept 17; Sept 28; Oct 22; Oct 24; Nov 5; Nov 23	10%	1, 3, 4, 7, 9
Term Project	Nov 19	30%	1, 2, 3, 4, 5, 6, 7, 8
Final exam	TBA	35%	1, 3, 6

Additional Notes:

Midterm Exam: The exam will contain approximately 20 to 40 multiple-choice questions and/or approximately 2 to 5 short answer questions. Questions may be drawn from all the course material covered (e.g., readings, lectures) up to and including the material covered during the previous class. Please **MAKE SURE YOU HAVE** your student ID card, a few sharpened pencils and an eraser with you at the exam. The instructor will provide specific details about the midterm in lecture.

In Class Assignments: There will be a total of 6 in-class assignments and you must complete 5 of them. If you complete all six, your grade will be calculated from your best 5 (i.e., you cannot get more than 10% total). This process is designed to take into account illness and all other extenuating circumstances for not participating in one of the in class assignments. Assignments

after this time will not be accepted and will receive a grade of zero. Each assignment is worth 2%. Specific details regarding these assignments will be provided on the course website in supplementary documentation.

Term project: For your term project, you will create your own psychological measure. The purpose of this project is to give you hands-on experience creating a psychological questionnaire, analyzing psychometric data, and writing up psychometric findings. You will work in groups of 3-5 people to create a questionnaire designed to measure a psychological construct of your choice (approved by the course instructor). Scales must NOT (a) involve any personal, sensitive or incriminating topics or questions that could place participants at risk, (b) manipulate behaviour of participants beyond the range of “normal” classroom activity or daily life, (c) involve any physically invasive contact with the research participants, or (d) involve deception. Data will be collected during class time with PSYC3250 students acting as research participants. **The final write-up is an individual assignment.** The requirements and grading breakdown will be provided on the course website.

Final Exam: The exam will contain approximately 30 to 50 multiple-choice questions and may contain approximately 2 to 5 short answer questions (e.g., computations, fill in the blank, point form responses, written response). Questions may be drawn from all the course material covered (e.g., readings, lectures) since the beginning of the course including the material covered during the previous class. More emphasis will be placed on content since the midterm. Please MAKE SURE YOU HAVE your student ID card, a few sharpened HB pencils and an eraser with you at the exam. The instructor will provide specific details about the final exam in lecture.

Final examination date and time: TBA

Final exam weighting: 35%

Course Resources

Required Texts:

Gregory, R. J. (2016). REVEL for Psychological Testing: History, Principles and Applications 7/e. Pearson

To access REVEL for Psychological Testing: History, Principles and Applications 7/e, the course materials for PSYC 3250 Here's how:

1. Go to: <https://console.pearson.com/enrollment/yift1f>
2. Sign in to your Pearson Account or create one.
3. Redeem your access code or purchase instant access online. (Temporary access option for financial aid is also available.)

Note: If you would like a loose-leaf version of the text you are given the option to purchase it directly from the REVEL site after registering for \$15.00. It will be shipped to your home address at no additional cost.

Recommended Texts: None

Lab Manual: Not applicable.

Other Resources:

We will be using SPSS for data analysis.

Additional readings (e.g., journal articles, reports, news articles, etc.) will be posted on Courselink throughout the semester for course readings. Resources posted in “Supplementary Readings” are NOT testable; all other content posted on Courselink for this course is testable content.

Please regularly visit the course website at <http://courselink.uoguelph.ca> to obtain important information and materials for this course, including instructions for assignments, readings, lecture slides.

Field Trips: Not applicable.

Additional Costs: Not applicable.

Course Policies

Grading Policies

The time and date for the midterm are indicated in this course outline.

The procedure for grading along with other important grading information for the research experience is available in the research experience instructions posted on the course website.

The time and date for submitting the term report are listed in this course outline. The procedure to submit the report is indicated in the report instructions that will be posted on CourseLink. Late submissions for the report will be penalized 10% of the marking grade per day (e.g., if the report is out of 70, that is 7 marks deducted per day late regardless of the grade earned). Please note that technology issues (e.g., hard drive crashing--make sure to have backups) and leisure travel are not valid reasons for extensions.

Please also note that work submitted for grades may be **screened electronically for academic misconduct**, including breaches of academic integrity and plagiarism. In this course, your instructor will be using Turnitin, integrated with the CourseLink Dropbox tool, to detect possible plagiarism, unauthorized collaboration or copying as part of the ongoing efforts to maintain academic integrity at the University of Guelph.

All submitted assignments will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin.com service is subject to the Usage Policy posted on the Turnitin.com site.

A major benefit of using Turnitin is that students will be able to educate and empower themselves in preventing academic misconduct. In this course, you may screen your own assignments through Turnitin as many times as you wish before the due date. You will be able to see and print reports that show you exactly where you have properly and improperly referenced the outside sources and materials in your assignment.

The last date to submit any materials for evaluation for this course is the last day before the final exam period starts, *November 30th at 5pm*, with the exception of the final exam, which will be conducted during the final exam period.

Please note that there will be no supplemental evaluation/examination for this course.

Course Policy on Group Work:

You are responsible for fulfilling your duties to your group. At a minimum, this includes: accurately completing and handing in your Student Information sheet, checking and responding to your email/texts from group members daily; promptly attending all group meetings, including those with the TA and professor; conducting your work diligently; having open conversations about group dynamics and individual performance; honestly, fairly, and promptly completing your peer evaluation.

Policy on missed classes and exams

All of the information related to the logistical and administrative components of this course will be communicated during class time. If you miss a class, it is your responsibility to make contact with a fellow student and catch up on what you missed, regardless of whether the absence was justified or not.

If you miss an evaluation (e.g., exam, due date for an assignment) you may wish to seek academic consideration for your absence (e.g., if you believe your absence qualifies for medical or compassionate reasons). Please contact the course instructor as soon as possible if you miss an exam or a due date or if you have an ongoing personal or health issue that will affect your ability to meet any due date or deadline.

Any documentation provided (e.g., doctor's notes) may be verified by different means, including calling the doctor's office for confirmation. See the undergraduate calendar for detailed information on regulations and procedures for Academic Consideration.

Policy regarding use of electronic devices and recording of lectures:

Electronic recording of classes is expressly forbidden without consent of the instructor. When recordings are permitted they are solely for the use of the authorized student and may not be reproduced, or transmitted to others, without the express written consent of the instructor.

Policy regarding materials provided by instructor and his designates

The material shared by the course instructor or by his designate (e.g., TA) as part of this course, including copies of the lecture slides, are solely for the personal use of the authorized student and may NOT be reproduced, or transmitted to others, whether it is in their original format or a modified version, without the express written consent of the course instructor.

Policy on emails

Only questions that can be answered simply, for example by yes or no or with a short sentence, will be answered by email. For longer answers you will most likely receive an email asking you to come and see the instructor.

Emails will usually be answered within 24 to 48 hours during weekdays. It is possible that some emails that are not from a university address (e.g., @hotmail.com) may be treated as spam. So do not hesitate to come and see one of us if your email was not answered. The university expects you to check your U of Guelph email account regularly, and us to use it to communicate with you.

Policy regarding exam copies

Copies of the exam are loaned to registered students for the duration of the examination only. They remain the property of the course instructor at all times. All copies must be returned to the instructor or their designate at the end of the examination time. They cannot be removed from the examination room under any circumstances. All material contained in the exams is copyrighted, and may not be reproduced, or transmitted to others, without the express written consent of the instructor.

University Policies**Academic Consideration**

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course instructor in writing, with your name, id#, and e-mail contact. See the academic calendar for information on regulations and procedures for

Academic Consideration:

[Academic Consideration, Appeals and Petitions](#)

Academic Misconduct

The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community, faculty, staff, and students to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring.

University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of

detection. Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

The Academic Misconduct Policy is detailed in the Undergraduate Calendar:

[Academic Misconduct Policy](#)

Accessibility

The University of Guelph is committed to creating a barrier-free environment. Providing services for students is a shared responsibility among students, faculty and administrators. This relationship is based on respect of individual rights, the dignity of the individual and the University community's shared commitment to an open and supportive learning environment. Students requiring service or accommodation, whether due to an identified, ongoing disability or a short-term disability should contact Student Accessibility Services as soon as possible.

For more information, contact SAS at 519-824-4120 ext. 56208 or email accessibility@uoguelph.ca or see the website: [Student Accessibility Services Website](#)

Course Evaluation Information

Please refer to the [Course and Instructor Evaluation Website](#) .

Drop date

The last date to drop one-semester courses, without academic penalty, is the fortieth class day. For regulations and procedures for Dropping Courses, see the Academic Calendar:

[Current Undergraduate Calendar](#)