

**PSYC 3090 3.0A**  
**FACULTY OF HEALTH**  
**PSYCHOLOGICAL MEASUREMENT**

**Lectures:** Tuesdays 7 - 10:00 p.m.  
Curtis Lecture Hall A (CLH-A)

**Course Director:** Dr. Peter K. Papadogiannis  
**Office:** BSB 251  
**Telephone:** 416-736-2100 ext. 55125  
**Office Hours:** Tuesday 5:45-6:45 p.m.  
**Course Website:** <http://moodle.yorku.ca>  
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**Teaching Assistant:** James Watson-Gaze  
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This course provides an introduction to the theory, method, and application of psychological testing. Coverage will include: concepts of psychological testing; principles of psychological measurement; techniques used to analyze tests; development of tests (e.g., cognitive, emotional intelligence, personality); and the use of psychological tests to make decisions about individuals. The focus will be on description of the basic principles of psychological measurement that must be applied in order to properly evaluate psychological tests, as well as on some of the major applications of psychological tests in education, industry, and clinical practice.

**Objectives:** Upon completion of this course students will be able to:

- Describe and explain the assumptions underlying psychological assessment
- Discuss the different scales of measurement and measures of variability
- Explain standard error of measurement and discuss what the standard error of estimate represents
- Define the properties of test reliability and test validity
- Discuss the necessary and proper steps in test construction
- Differentiate between the various forms of testing and their appropriate application.
- Describe the various types of assessments used in psychology and explain the limits and advantages of the assessments.

**Prerequisites:** Psyc 1010 6.0 with a minimum grade of C and Psyc 2020 6.0 OR equivalent.

**Required Textbook(s):**

**Title:** Mastering Modern Psychological Testing: Theory & Methods  
**Author:** Curt L. Reynolds, Cecil R. & Ronald B. Livingston  
**Edition:** 1<sup>st</sup> edition

**Additional materials to be determined by the instructor.**

**Course Management**

The Course Director and Teaching Assistant will work as a teaching team. Although the Course Director will coordinate the classes, the teaching Assistant will attend and participate in the running of the classes. Students requiring assistance should seek it first from the Teaching Assistant, especially in matters of a practical or procedural nature.

**York University Students Rights & Responsibilities**

<http://www.yorku.ca/oscr/pdfs/CodeofRightsandResponsibilities.pdf>

**Course Evaluation:**

1) Midterm:	Oct. 22, 2013	35%
2) Group Research Assignment	Nov. 5, 2013	10%
3) Research Assignment	Nov. 26, 2013	20%
4) Final Exam:	Dec. 10-23, 2013	35%

Tests and the final exam are composed of multiple choice questions. The questions will be based on material presented in class, assigned readings from the textbook, audio-visual aids, and additional materials handed out by the instructor.

**EXTRA CREDIT OPTIONS**

You can earn extra marks by various means. One method is by completing an academic integrity survey online ([www.yorku.ca/tutorial/academic\\_integrity](http://www.yorku.ca/tutorial/academic_integrity)). The *Academic Integrity Tutorial* is designed to help you learn about issues of academic integrity. It explores plagiarism and related matters with case examples and positive strategies you can use to improve your academic efforts. Once you have completed the tutorial and the self-test, please bring in a copy of your score sheet (100% on the test) and you will receive the bonus. The extra credit needs to be submitted to the Course Director or TA by September 24th.

**Group Research Assignment: Due: November 5, 2013 – 10% of Final Grade**

Specifics:

- The objective is to critically analyze 2 emotional intelligence assessment tools (mix methods model vs. ability model) and to differentiate between them. Please generate one 5-6 page report for the group. The report should include the following analyses:
  1. Theoretical Orientation – which model’s theoretical orientation best suits the construct of emotional intelligence?
  2. Reliability – which tool has higher levels of reliability?
  3. Validity – which tool has higher levels of validity?
  4. Application – which tool has greater application?
  5. Introduction/Conclusion – which tool would you use in a professional setting and why?

## **Research Assignment: Due: November 26, 2013 – 20% of Final Grade**

### General Purpose of Project:

- To gain experience analyzing psychological instruments.
- To examine if research is conducted in a sound and ethical manner.
- To be able to examine psychological test information and write a coherent evaluation of the instrument.

### Specifics:

- The object is to critically analyze psychological test information found in a psychological technical manual. Please generate a 6-8 page report (typed double spaced). The report should be an evaluation of the testing material such that it meets APA standards. The report should include an introduction, conclusion, and the following analyses:
  1. Test Development
  2. Norms
  3. Validity
  4. Reliability

**In your conclusion, please answer the following questions:** What are your overall thoughts of the instrument? Would you use this instrument in a professional setting? Why or Why not?

*There will be a 1% deduction (from your overall mark out of 10% & 20%) for each day that the assignment is handed in after the deadline.*

### **RELIGIOUS OBSERVANCE POLICY**

York University is committed to respecting the religious beliefs and practices of all members of the community and making accommodations for observances of special significance to adherents. Should any of the dates specified in this syllabus for in-class examinations pose such a conflict for you, contact the Course Director within the first three weeks of class. Please note that to arrange an alternative date or time for an examination scheduled in the formal examination periods (December and April/May), students must complete an Examination Accommodation Form which can be obtained from the Registrar's Office.

<http://calendars.registrar.yorku.ca/2013-2014/policies/accommodation/>

### **SENATE POLICY ON ACADEMIC HONESTY**

Please read the Academic Honesty sections in the York University Calendar (<http://www.yorku.ca/secretariat/policies/document.php?document=69>). Any case of suspected academic dishonesty will be dealt with in accord with the procedures and regulations set down by the University Senate.

### **POLICY FOR MISSED TESTS AND EXAMINATIONS**

1. The student must contact the instructor or TA in-person or by e-mail within 48 hours of the examination. Be sure to clearly state your name, student number, course, and a number and time at which you can be reached. If you are unable to contact the course instructor or TA before the exam, subsequent documentation accounting for the delay must be provided.
2. Appropriate documentation verifying the circumstances for the missed examination must be provided prior to arranging the MAKE-UP test. Failure to provide appropriate documentation will result in a grade of F on the missed test.
  - A. Tests or examinations missed on the grounds of medical or mental health circumstances must be supported by an **Attending Physician's statement** or a **statement by a Psychologist or Counsellor**. The statement must include: (i) full name, mailing address and telephone number of the physician; (ii) the nature of the illness and its duration (i.e., specific dates covered); and, (iii) indication of whether the illness and/or medication prescribed would have **SERIOUSLY** affected the student's ability to study and perform over the period in question. Note: The physician's office may be contacted to verify the information provided.
  - B. Tests or examinations missed on the grounds of non-medical circumstances must be supported by appropriate documentation (i.e., death certificates, obituary notice, automobile accident reports, airline/train/bus ticket/receipts with date of booking on ticket, etc.). Airline/train/bus ticket/receipts for emergency travel must indicate destination, departure and return dates.
3. In the case of a make-up test/exam, the student must be prepared to write within the week following the missed test (a date will be set by the instructor). Although the content to be examined will be the same, the format may or may not follow that of the original test/examination. It is the student's responsibility to check with the instructor or TA as to the date/time of the make-up. A conflict in another course during the time of the make-up is not an acceptable reason for missing the make-up. If a student misses a make-up opportunity for good reasons (see points A and B above), then either the prorating option is applied, or a second and final opportunity for a make-up will be arranged. Missed make-ups must be supported by appropriate documentation (see points A and B above). Failure to provide appropriate documentation will result in a grade of F on the missed test.

[http://www.yorku.ca/health/psyc/advising\\_missedtests.html](http://www.yorku.ca/health/psyc/advising_missedtests.html)

## LECTURE SCHEDULE AND ASSIGNED READINGS

<u>Date</u>	<u>Lecture Topic</u>	<u>Readings</u>
Sept. 10	Introductions Syllabus Review Group Introduction	
Sept. 17	Introduction to Psychological Measurement	Chapter 1
Sept. 24	Defining and Using Psychological Assessments	Chapter 17
Oct. 1	Basic Concepts in Measurement & Scale Norms	Chpts. 2 & 3 (pp. 71-84)
Oct. 8	Reliability	Chapter 4
Oct. 15	Validity	Chapter 5
<b>October 22</b>	<b>Midterm Exam</b> <b>Lectures, Presentations, &amp; Handouts from Sept. 17-Oct. 15</b>	
Oct. 29	Test Development	Chpts. 18 & 6
<b>Nov. 5</b>	Test Development Cont. & Intelligence Testing <b>Group Assignment Due</b>	Chapter 9
<b>Nov. 8</b>	<b>Last day to withdraw from Fall half courses without a grade.</b> <a href="http://www.registrar.yorku.ca/enrol/dates/fw13.htm">http://www.registrar.yorku.ca/enrol/dates/fw13.htm</a>	
Nov. 12	Intelligence Testing Cont.	Chapter 9
<b>Nov. 19</b>	Personality Testing	Chpt. 10
Nov. 26	Personality Testing Cont. <b>Individual Research Assignment Due</b>	Chpt. 10
<b>Dec. 10-23</b>	<b>Final Exam Period</b> <b>Lectures, Presentations, &amp; Handouts from Oct. 29-Nov. 26</b>	