

COURSE OUTLINE		
TERM: Fall 2020	COURSE NO: PSYC 420	
INSTRUCTOR:	COURSE TITLE: Tests and Measurement	
OFFICE: LOCAL: E-MAIL: @capilanou.ca	SECTION NO(S):	CREDITS: 3
OFFICE HOURS:		
COURSE WEBSITE:		

Capilano University acknowledges with respect the Lil'wat, Musqueam, Squamish, Sechelt, and Tsleil-Waututh people on whose territories our campuses are located.

COURSE FORMAT

Three hours of class time, plus an additional hour delivered through on-line or other activities for a 15-week semester, which includes two weeks for final exams.

COURSE PREREQUISITES

PSYC 212 and PSYC 213

CALENDAR DESCRIPTION

This course focuses on psychometric theories, concepts, and applications. Students will gain the theoretical and statistical knowledge necessary to understand when, why, and how to use psychometrics in their work and research. They will also gain experience in test-taking, interpretation, and design.

REQUIRED TEXTS AND/OR RESOURCES

Kaplan, R. M., & Saccuzzo, D. P. (2013). *Psychological testing: Principles, applications and issues* (8th ed.). Belmont, CA: Wadsworth Thomson Learning.

Additional readings may be required by some instructors.

COURSE STUDENT LEARNING OUTCOMES

On successful completion of this course, students will be able to do the following:

- Describe, evaluate, and synthesize key concepts, principles, and overarching themes in psychometrics
- Develop a working knowledge of content domains in psychometrics
- Describe and evaluate practical applications of psychometrics
- Use scientific reasoning to interpret concepts in psychometrics
- Demonstrate information literacy in the area of psychometrics, including use of psychology databases, identifying objective sources of psychology information and interpretation of simple graphs and statistical findings
- Engage in innovative and integrative thinking and problem solving

- Interpret and critique research in psychometrics
- Incorporate sociocultural factors into scientific inquiry in psychometric testing
- Apply ethical standards to evaluate psychological science and practice in psychometrics
- Demonstrate effective writing in research reports and papers
- Exhibit effective presentation skills for different purposes
- Interact effectively with others in group assignments
- Apply course content and skills to career goals
- Exhibit self-efficacy and self-regulation
- Refine project-management skills
- Enhance teamwork capacity

COURSE CONTENT

Date	Topic	Readings
Week 1	Introduction to Psychometrics	Kaplan & Sacuzzo, Chapter 1
Week 2	Norms and Basic Statistics for Testing	Kaplan & Sacuzzo, Chapter 2
Week 3	Correlation and Regression for Testing	Kaplan & Sacuzzo, Chapter 2
Week 4	Factor Analysis	Additional Readings
Week 5	Reliability	Kaplan & Sacuzzo, Chapter 4
Week 6	Validity	Kaplan & Sacuzzo, Chapter 5
Week 7	Mid-term Exam	
Week 8	Item Response Theory	Additional Readings
Week 9	Writing and Evaluating Test Items	Kaplan & Sacuzzo, Chapter 6
Week 10	Test Administration	Kaplan & Sacuzzo, Chapter 7
Week 11	Intelligence Testing	Kaplan & Sacuzzo, Chapters 9 & 10
Week 12	Applications in Clinical and Counselling Settings	Kaplan & Sacuzzo, Chapter 13
Week 13	Test Bias / Ethics	Kaplan & Sacuzzo, Chapters 19 & 21
Weeks 14/15	FINAL EXAMINATION HELD IN FINAL EXAM PERIOD	

All assigned chapters are required and will be examined, regardless of whether the material in them is covered in class.

EVALUATION PROFILE

Written Assignments	20-40%*
Examinations/Quizzes/Presentations	25-60%*
Final Examination	20-35%
Total	100%

*Note: No single evaluation component will be worth more than 35%.

GRADING PROFILE

A+ = 90-100	B+ = 77-79	C+ = 67-69	D = 50-59
A = 85-89	B = 73-76	C = 63-66	F = 0-49
A- = 80-84	B- = 70-72	C- = 60-62	

Incomplete Grades

Grades of Incomplete "I" are assigned only in exceptional circumstances when a student requests extra time to complete their coursework. Such agreements are made only at the request of the student, who is responsible to determine from the instructor the outstanding requirements of the course.

Late Assignments

Unless otherwise specified, assignments are due at the beginning of the class on the due date listed. If you anticipate handing in an assignment late, please consult with your instructor beforehand.

Missed Exams/Quizzes/Labs etc.

Make-up exams, quizzes and/or tests are given at the discretion of the instructor, in medical emergencies or severe personal crises, with prior notice, and appropriate documentation. Some missed labs or other activities may not be able to be accommodated. Please consult with your instructor.

Attendance

Students are expected to maintain regular class attendance. Students are responsible for all announcements made in class, online to students' my.capilanou.ca email account or course website, and for all material on the course syllabus. Although instructors may discuss only portions of a chapter in class, students are responsible for studying all of each chapter listed in the course syllabus. Appropriate university behaviour is expected (see the University Calendar).

English Usage

University level writing skills are required in all assignments. American Psychological Association (APA) writing guidelines, including the use of respectful language, must be followed. All assignments must be original and must be used for this course only. Students are expected to proofread all written work for any grammatical, spelling and stylistic errors. Instructors may deduct marks for incorrect grammar and spelling in written assignments.

Electronic Devices

The use of personal technology is permitted in the classroom for note-taking purposes only, and if it is not distracting to others. During an exam, all personal technology must be turned off and removed from the desk. The use of programmable calculators will not be allowed in any test which is part of the grading profile.

On-line Communication

Outside of the classroom, instructors will (if necessary) communicate with students using either their official Capilano University email or through the elearn course site; please check both regularly. Official communication between Capilano University and students is delivered to students' Capilano University email addresses only.

UNIVERSITY OPERATIONAL DETAILS

Tools for Success

Many services are available to support student success for Capilano University students. A central navigation point for all services can be found at: <https://www.capilanou.ca/student-life/>

Capilano University Security: download the [CapU Mobile Safety App](#)

Policy Statement (S2009-06)

Capilano University has policies on Academic Appeals (including appeal of final grade), Student Conduct, Cheating and Plagiarism, Academic Probation and other educational issues. These and other policies are available on the University website.

Academic Integrity (S2017-05)

Any instance of academic dishonesty or breach of the standards of academic integrity is serious and students will be held accountable for their actions, whether acting alone or in a group. See policy and procedures S2017-05 Academic Integrity for more information: <https://www.capilanou.ca/about-capu/governance/policies/>

Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances, are prohibited and will be handled in accordance with the Student Academic Integrity Procedures.

Academic dishonesty is any act that breaches one or more of the principles of academic integrity. Acts of academic dishonesty may include but are not limited to the following types:

Cheating: Using or providing unauthorized aids, assistance or materials while preparing or completing assessments, or when completing practical work (in clinical, practicum, or lab settings), including but not limited to the following:

- Copying or attempting to copy the work of another during an assessment;
- Communicating work to another student during an examination;
- Using unauthorized aids, notes, or electronic devices or means during an examination;
- Unauthorized possession of an assessment or answer key; and/or,
- Submitting of a substantially similar assessment by two or more students, except in the case where such submission is specifically authorized by the instructor.

Fraud: Creation or use of falsified documents.

Misuse or misrepresentation of sources: Presenting source material in such a way as to distort its original purpose or implication(s); misattributing words, ideas, etc. to someone other than the original source; misrepresenting or manipulating research findings or data; and/or suppressing aspects of findings or data in order to present conclusions in a light other than the research, taken as a whole, would support.

Plagiarism: Presenting or submitting, as one's own work, the research, words, ideas, artistic imagery, arguments, calculations, illustrations, or diagrams of another person or persons without explicit or accurate citation or credit.

Self-Plagiarism: Submitting one's own work for credit in more than one course without the permission of the instructors, or re-submitting work, in whole or in part, for which credit has already been granted without permission of the instructors.

Prohibited Conduct: The following are examples of other conduct specifically prohibited:

- Taking unauthorized possession of the work of another student (for example, intercepting and removing such work from a photocopier or printer, or collecting the graded work of another student from a stack of papers);
- Falsifying one's own and/or other students' attendance in a course;
- Impersonating or allowing the impersonation of an individual;
- Modifying a graded assessment then submitting it for re-grading; or,
- Assisting or attempting to assist another person to commit any breach of academic integrity.

Sexual Violence and Misconduct

All Members of the University Community have the right to work, teach and study in an environment that is free from all forms of sexual violence and misconduct. Policy B401 defines sexual assault as follows:

Sexual assault is any form of sexual contact that occurs without ongoing and freely given consent, including the threat of sexual contact without consent. Sexual assault can be committed by a stranger, someone known to the survivor or an intimate partner.

Safety and security at the University are a priority and any form of sexual violence and misconduct will not be tolerated or condoned. The University expects all Students and Members of the University Community to abide by all laws and University policies, including B.401 Sexual Violence and Misconduct Policy and B.401.1 Sexual Violence and Misconduct Procedure (found on Policy page <https://www.capilanou.ca/about-capu/governance/policies/>)

Emergencies: Students are expected to familiarise themselves with the emergency policies where appropriate and the emergency procedures posted on the wall of the classroom.