



## MASTER OF SCIENCE IN PSYCHOLOGY, MAJOR IN PSYCHOLOGICAL MEASUREMENT

The Master of Science in Psychology program prepares the student for professional practice in psychology, as well as for teaching, research, and consultancy in Philippine and Asian contexts. The Psychological Measurement major program provides students with specialized training in the design and use of various methods for the assessment and/or measurement of psychological variables with special application to data-gathering needs in the Philippine setting.

A student who graduates from the program should be capable of assuming leadership, research and consultancy positions in academic, corporate, government or organizations where assessments or measurement of psychological variables is required. He or she should also be qualified to pursue a doctorate degree.

### PROGRAM REQUIREMENTS

Basic Courses	12 units
Major Courses	18 units
Elective Courses	6 units
Thesis	6 units
<b>Total</b>	<b>42 units</b>

### BASIC COURSES

#### **History and Philosophy of Psychology (PSY535M)**

*3 units*

The course presents an overview of the major philosophical issues and theoretical approaches that led to the development of contemporary psychology. It also provides a historical background to the progress of psychology in the Philippine context, giving emphasis to the discipline and practice of industrial/organizational psychology.

#### **Psychological Measurement (PSY5610)**

*3 units*

The course reviews the uses of tests and various measures for recruitment and selection, training and development, and organizational development. It seeks to develop skills in the selection and evaluation, administration, scoring and interpretation of standardized tests and measures. It likewise provides an introduction to the use of projective techniques.

#### **Psychological Statistics and Data Analysis (PSY501M)**

*3 units*

This course deals with fundamental and advanced concepts, principles and techniques in descriptive and inferential statistics as these are applied in univariate, bivariate, and multivariate analysis of psychological data. The computational steps and the analysis and interpretation of both parametric and non-parametric tests of relationship and significance will be covered in this course, equipping the student with necessary skills in quantitative methods applied in psychological research.

#### **Methods of Psychological Research (PSY521M)**

*3 units*

Students undergo the different stages or procedures of psychological research: formulation of research problem, conducting the literature review, postulating a conceptual framework, planning the methodology, analyzing data, formulation conclusions, interpretations, and recommendations. Various quantitative and qualitative methodologies are discussed.

### MAJOR COURSES

#### **Psychometric Theories (PSY630M)**

*3 units*

This is a course on the theoretical and statistical bases of the measurement of psychological variables. It also will consider quantitative methods for the construction and evaluation of psychological measures. Topics to be discussed are: Composite scores and multiple correlations among these scores, reliability, validity, differential item functioning and other issues in test development, norming, multivariate analyses, and item response theories.

#### **Development of Cognitive Measures (PSY631M)**

*3 units*

Covers the construction and application of cognitive measures. Measurement research methods predominant in the development of cognitive measures will be discussed, as well as the standard published measures in the area. Dilemmas in current practice will be pointed out, and strategies for coping with these dilemmas will be identified.



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## **Development of Non-Cognitive Measures (PSY635M)**

*3 units*

Covers theoretical foundations and techniques in developing and validating measures of personality, attitudes, values, and interests. It also includes a discussion on the state-of-the-art in test development as well as test adaptation practices.

## **Assessment of Intelligence (PSY570M)**

*3 units*

Introduces the student to individual intelligence testing. Supervised administration, scoring, and interpretation of WAIS III, WISC III, and Stanford-Binet Intelligence Scale-4<sup>th</sup> ed.

## **Projective Techniques (PSY565M)**

*3 units*

Focuses on proficiency of knowledge and skills in the administration and interpretation of various projective tests. It also includes discussion of concepts and assumptions on the use of projective techniques in psychological assessment.

## **Advanced Personality Assessment (PSY563M)**

*3 units*

Deals with methods of personality measurement and assessment, with particular attention to the qualities, attributes, talents and dispositions considered in the everyday evaluations people make of self and others.

## **ELECTIVE COURSES**

### **Neuropsychological Assessment (PSY633M)**

*3 units*

Focuses on the application of specialized tests and other assessment procedures for purposes of diagnosing individuals with known or suspected brain dysfunction. It also discusses brain-behavior relationships underlying higher cortical functioning based on current researches in the field.

### **Seminar in Psychological Measurement and Evaluation (PSY814M)**

*3 units*

This course provides a venue for discussions of measurement and evaluation issues in clinical, school, organizational, and other settings. An attempt is made to bridge theory and practice and to determine the capability of western-based theories and practices to the current Philippine needs and situations.

### **Measurement of Social Attitude (PSY634M)**

*3 units*

### **Survey Methodology (PSY5250)**

*3 units*

This course discusses the procedures and decisions done in surveys. Topics include preliminary planning and pilot studies, sampling, data collection and analyses, and interpretation. Published surveys will be discussed and survey data in the public domain will be analyzed.

### **Computer Application for Multivariate Statistics (PSY567M)**

*3 units*

Multivariate methods useful in measurement research will be studied including multiple regression analyses, multivariate linear and multiple analyses, principal component analyses, factor analyses, cluster analyses, discriminant analyses, and canonical correlation analyses.

## **THESIS**

### **Thesis (PSY851M)**

*6 units*

Implementation and defense of supervised research.