

## COURSE OUTLINE

<b>Department &amp; Faculty: Dept. of Foundation of Education, Faculty of Education</b>		<b>Page 1 of 5</b>	
<b>Subject &amp; Code: Psychological Testing and Measurement (MPF 2103)</b>		<b>Semester: II</b>	
<b>Total Lecture Hours: 3 hours per week</b>		<b>Academic Session : 2008/2009</b>	
<b>Lecturer</b> : Associate Professor Dr Othman bin Md.Johan			
<b>Room No.</b> : C 14-341			
<b>Tel. No.</b> : 07-5534451 /019-7353600			
<b>Email</b> : p-othman@utm.my			
<b>Synopsis</b> : This course introduces students to the basic principles and application of psychological testing and assessment. Topics discussed include the definition of psychological testing, measurement, assessment and evaluation; types of psychological tests; characteristics of good test namely validity, reliability, objectivity, administration and scoring, fairness and interpretation; criterion and norm referenced testing; objective and essay test construction and item analysis. Other important topics include development, administration, and analysis of intelligence, personality, attitude, aptitude, clinical and counselling, career and business testing.			
<b>Learning Outcomes :</b>			
By the end of the course, students should be able to:			
	<b>Course Learning Outcome</b>	<b>Programme Learning Outcome(s) Addressed</b>	<b>Assessment Methods</b>
1.	state the differences between testing, measurement, assessment and evaluation and its application to industrial psychology	PO1, PO3, LO1, LO2	ASNMT T, F
2.	evaluate the test validity, reliability, objectivity, administration and scoring, fairness and interpretation	PO4, PO5, LO3, LO6	HW, ASNMT, PR Pr, T, F
3.	construct good objective and essay test and analyze the items based on difficulty and discrimination indexes.	PO1, PO2, LO1, LO2,	ASNMT, T, F, Prob. Solving ex.
4.	evaluate selected intelligence, personality, attitude, aptitude, clinical and counselling, career and business testing based on purpose, administration and analysis of results.	LO4, PO6 LO2, LO3	HW, ASNMT, Pr T, F (T – Test ; PR – Project ; HW – Homework ; Pr – Presentation, F – Final Exam; ASNT- Assignment)
<b>Prepared by:</b> <b>Name:</b> Assoc. Prof. Dr Othman bin Md.Johan <b>Signature:</b> <b>Date:</b> 1.1.2009		<b>Certified by: TD(A)</b> <b>Name:</b> <b>Signature:</b> <b>Date:</b>	

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<p><b>Teaching Methods</b></p> <p>Lecture and Discussion, Independent Study, Group Project, Assignment and Presentation</p>																																													
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<b>Total Lecture Hours: 3 hours per week</b>		<b>Academic Session : 2008/2009</b>
<b>Weekly Schedule: First Half (29.12.08 – 21.1.09)</b>		
<b>Week 1</b>	:	<b>1.0 Introduction to the course</b> 1.1 Discussion on the course requirements and course outlines 1.2 Definition of testing, measurement, assessment and evaluation with reference to psychological testing
<b>Week 2</b>	:	<b>2.0 The importance of Psychological Testing in industry</b> 2.1 The needs of valid and reliable psychological testing 2.2 Various types of psychological testing and their uses
<b>Weeks 3</b> (Assign :1)	:	<b>3.0 Characteristics of a good test</b> 3.1 Definition and types of validity – content, criterion-related and construct validity 3.2 Methods in determining validity
<b>Weeks 4</b> (Project: 1)	:	<b>4.0 Characteristics of a good test (Cont.)</b> 4.1 Definition and types Reliability 4.2 Methods in determining reliability
<b>Weeks 5</b>	:	Semester Break
<b>Second Half</b>		<b>(2.2.09 – 12. 04.09) 10 weeks</b>
<b>Weeks 6</b>	:	<b>6.0 Characteristics of a good test (Cont.)</b> 6.1 Objectivity of a good test 6.2 Factors concerning administration and scoring, fairness and Interpretation of test scores
<b>Weeks 7</b>		<b>7.0 Norms and criterion reference test</b> 7.1 Types of norms and how it is developed 7.2 Norms interpretation 7.3 Criterion referenced-test, its usefulness and score interpretation
<b>Weeks 8 &amp; 9</b> <b>Test 1</b>	:	<b>8.0 Objective test construction</b> 8.1 Cognitive, affective and psychomotor taxonomies 8.2 Types of test items – strength and weaknesses. 8.3 Tips on good item construction
<b>Weeks 10</b>		<b>10.0 Essay test construction and item analysis</b> 10.1 Construction of open and close ended questions 10.2 Grading methods – global and analytical 10.3 Item analysis- difficulty and discrimination index

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Weekly Schedule:		
<b>Weeks 11</b>		11.0 Intelligence test
		11.1 Theories of intelligence
<b>(Assign: 2)</b>		11.2 Uses, characteristics, and application of intelligence test namely: The Wechsler Scales; The Stanford-Binet; and Culture fair test of Mental ability
		11.3 Group presentation
<b>Week 12</b>	:	<b>12.0 Objective personality test</b>
		12.1 Uses, common characteristics and specific domain of the tests
		12.2 Strategies dealing with faking
		12.3 Major approaches to Personality test development
		12.4 Group presentation
<b>Weeks 13</b>	:	<b>13.0 Projective Techniques</b>
		13.1 Uses, characteristics, and application of projective techniques
<b>AIDIL FITRI CELEBRATION 1 – 2 OCT 2009</b>		
<b>Weeks 14</b>		14.0 <b>Projective Techniques (cont.)</b>
		14.1 Development, administration and evaluation of projective techniques
		14.2 Group presentation
<b>Weeks 15</b>		<b>15.0 Interest and Attitudes Inventories</b>
		15.1 Uses, characteristics, and application of Interest and Attitudes Inventories
		15.2 Development, administration and evaluation
		15.3 Group presentation

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<p>Weekly Schedule:</p> <p>Course Notes : Othman Md.Johan, Notes on psychological testing &amp; assessment, Universiti Teknologi Malaysia, 2008.</p> <p>Main Text: Hogan, T. P. (2003). <i>Psychological testing: A practical introduction</i>. John Wiley and Sons, Inc.</p> <p>Other References</p> <ol style="list-style-type: none"> <li>1. Anastasi, A., &amp; Urbina, S. (1997). <i>Psychological testing</i> (7<sup>th</sup> ed.). Upper Saddle River, NJ: Prentice Hall.</li> <li>2. Groth-Marnat, G. (2003). <i>Psychological assessment</i>. New York: Wiley</li> <li>3. Kaplan, R. M. &amp; Saccuzzo, D. P. (2005). <i>Psychological testing; Principles, application and issues</i>. Belmont: Thompson Wadsworth.</li> </ol>	

#### **ASSESSMENT:**

No		Number	% each	% total	Dates
1	Assignments	2	20% x 2	40	
2	Project	1	5%	05	
3	Group Presentation	1	5%	05	
4	Test 1	1	10%	10	
5	Final Exam	1	40%	40	
	<b>Overall Total</b>			<b>100</b>	

