

COURSE OUTLINE

Department & Faculty: Department of Education Foundation, Faculty of Education	Page 1 of 4																				
Subject & Code: Application of Measurement and Evaluation in Research (MPF 2223) Total Lecture Hours: 42 hours (3 hours per week)	Semester: II Academic Session: 2008/2009																				
<p>Lecturer : Dr. Zainudin Abu Bakar, Dr. Bambang Sumintono</p> <p>Room No. : C14-331, C13-318</p> <p>Tel. No. : 07-5534414, 07-5534283</p> <p>Synopsis : This course deliberates on the usage of measuring techniques in the broad fields of behavioral research which centralize on the data gathering, collection and analysis. Students gain knowledge from the application in designing and conducting quantitative and qualitative research, devising and analysing questionnaires and surveys, and using tests more effectively to conduct research and evaluate programs.</p> <p>Learning Outcomes :</p> <p>By the end of the course, students should be able to:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 55%;">Course Learning Outcome</th> <th style="width: 20%;">Programme Learning Outcome(s) Addressed</th> <th style="width: 20%;">Assessment Methods</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Identify all the measurement and evaluation theories in research</td> <td>PO1 PO2</td> <td>ASNMT, F</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Apply the measurement and evaluation theories in educational research</td> <td>PO1 PO2, LO1</td> <td>ASNMT PR, F</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Demonstrate the relevant statistical calculation in analysing the research paper</td> <td>PO1 PO3, LO1</td> <td>ASNMT PR, F</td> </tr> <tr> <td style="text-align: center;">4.</td> <td>Evaluate the assessment techniques in special cases and environment</td> <td>PO2, LO3, LO5</td> <td>ASNMT (T – Test ; PR – project; ASNMT–assignment, HW – Homework ; F – Final Exam)</td> </tr> </tbody> </table>			Course Learning Outcome	Programme Learning Outcome(s) Addressed	Assessment Methods	1.	Identify all the measurement and evaluation theories in research	PO1 PO2	ASNMT, F	2.	Apply the measurement and evaluation theories in educational research	PO1 PO2, LO1	ASNMT PR, F	3.	Demonstrate the relevant statistical calculation in analysing the research paper	PO1 PO3, LO1	ASNMT PR, F	4.	Evaluate the assessment techniques in special cases and environment	PO2, LO3, LO5	ASNMT (T – Test ; PR – project; ASNMT–assignment, HW – Homework ; F – Final Exam)
	Course Learning Outcome	Programme Learning Outcome(s) Addressed	Assessment Methods																		
1.	Identify all the measurement and evaluation theories in research	PO1 PO2	ASNMT, F																		
2.	Apply the measurement and evaluation theories in educational research	PO1 PO2, LO1	ASNMT PR, F																		
3.	Demonstrate the relevant statistical calculation in analysing the research paper	PO1 PO3, LO1	ASNMT PR, F																		
4.	Evaluate the assessment techniques in special cases and environment	PO2, LO3, LO5	ASNMT (T – Test ; PR – project; ASNMT–assignment, HW – Homework ; F – Final Exam)																		
Prepared by: Name: Dr. Zainudin Abu Bakar, Dr. Bambang Sumintono Signature: Date:	Certified by: Name: Signature: Date:																				

Department & Faculty: Department of Education Foundation, Faculty of Education	Page 2 of 4														
Subject & Code: Application of Measurement and Evaluation in Research (MPF 2223) Total Lecture Hours: 42 hours (3 hours per week)	Semester: II Academic Session: 2008/2009														
<p>Student Learning Time</p> <table border="1"> <thead> <tr> <th>Teaching and Learning Activities</th> <th>Student Learning Time (hours)</th> </tr> </thead> <tbody> <tr> <td>1. Lecture</td> <td>42</td> </tr> <tr> <td>2. Independent Study <ul style="list-style-type: none"> - self learning - information search - library search - reading - group discussion </td> <td>30</td> </tr> <tr> <td>3. Assignment (3x) <ul style="list-style-type: none"> - information search - library search - group discussion - presentation </td> <td>15</td> </tr> <tr> <td>4. Project (2x) <ul style="list-style-type: none"> - information search - library search - group discussion - report writing </td> <td>30</td> </tr> <tr> <td>5. Exam (1x)</td> <td>3</td> </tr> <tr> <td>TOTAL</td> <td>120</td> </tr> </tbody> </table>		Teaching and Learning Activities	Student Learning Time (hours)	1. Lecture	42	2. Independent Study <ul style="list-style-type: none"> - self learning - information search - library search - reading - group discussion 	30	3. Assignment (3x) <ul style="list-style-type: none"> - information search - library search - group discussion - presentation 	15	4. Project (2x) <ul style="list-style-type: none"> - information search - library search - group discussion - report writing 	30	5. Exam (1x)	3	TOTAL	120
Teaching and Learning Activities	Student Learning Time (hours)														
1. Lecture	42														
2. Independent Study <ul style="list-style-type: none"> - self learning - information search - library search - reading - group discussion 	30														
3. Assignment (3x) <ul style="list-style-type: none"> - information search - library search - group discussion - presentation 	15														
4. Project (2x) <ul style="list-style-type: none"> - information search - library search - group discussion - report writing 	30														
5. Exam (1x)	3														
TOTAL	120														
<p>Teaching Methods</p> <p>Lectures based on power point presentations, reading assignment, calculating from research sample problems, group learning activities such as discussions, problem solving exercises, and group assignments</p>															
<p>Prepared by: Name: Dr. Zainudin Abu Bakar, Dr. Bambang Sumintono</p> <p>Signature: Date:</p>	<p>Certified by:</p> <p>Name:</p> <p>Signature: Date:</p>														

Department & Faculty: Department of Education Foundation, Faculty of Education	Page 3 of 4																														
Subject & Code: Application of Measurement and Evaluation in Research (MPF 2223) Total Lecture Hours: 42 hours (3 hours per week)	Semester: II Academic Session: 2008/2009																														
<p>Weekly Schedule:</p> <table> <tr><td>Week 1</td><td>Introductory Statistics</td></tr> <tr><td>Week 2</td><td>Test and Measurement</td></tr> <tr><td>Week 3</td><td>Research methods</td></tr> <tr><td>Week 4</td><td>Group Comparative Research Design and ANOVA Methods</td></tr> <tr><td>Week 5</td><td>Correlational Design and Regression Methods</td></tr> <tr><td>Week 6</td><td>Survey Research Methods</td></tr> <tr><td>Week 7</td><td>Non-parametric Methods for Quantitative Analysis</td></tr> <tr><td><i>Week 8</i></td><td><i>Mid-Semester Break</i></td></tr> <tr><td>Week 9</td><td>Advanced Multivariate Statistics</td></tr> <tr><td>Week 10</td><td>Qualitative Research Methods I</td></tr> <tr><td>Week 11</td><td>Qualitative Research Methods II: Case Studies & Grounded Theory</td></tr> <tr><td>Week 12</td><td>Qualitative Research Methods II: Interviewing & Content Analysis</td></tr> <tr><td>Week 13</td><td>Fieldwork</td></tr> <tr><td>Week 14</td><td>Fieldwork</td></tr> <tr><td>Week 15</td><td>Revision</td></tr> </table>		Week 1	Introductory Statistics	Week 2	Test and Measurement	Week 3	Research methods	Week 4	Group Comparative Research Design and ANOVA Methods	Week 5	Correlational Design and Regression Methods	Week 6	Survey Research Methods	Week 7	Non-parametric Methods for Quantitative Analysis	<i>Week 8</i>	<i>Mid-Semester Break</i>	Week 9	Advanced Multivariate Statistics	Week 10	Qualitative Research Methods I	Week 11	Qualitative Research Methods II: Case Studies & Grounded Theory	Week 12	Qualitative Research Methods II: Interviewing & Content Analysis	Week 13	Fieldwork	Week 14	Fieldwork	Week 15	Revision
Week 1	Introductory Statistics																														
Week 2	Test and Measurement																														
Week 3	Research methods																														
Week 4	Group Comparative Research Design and ANOVA Methods																														
Week 5	Correlational Design and Regression Methods																														
Week 6	Survey Research Methods																														
Week 7	Non-parametric Methods for Quantitative Analysis																														
<i>Week 8</i>	<i>Mid-Semester Break</i>																														
Week 9	Advanced Multivariate Statistics																														
Week 10	Qualitative Research Methods I																														
Week 11	Qualitative Research Methods II: Case Studies & Grounded Theory																														
Week 12	Qualitative Research Methods II: Interviewing & Content Analysis																														
Week 13	Fieldwork																														
Week 14	Fieldwork																														
Week 15	Revision																														
Prepared by: Name: Dr. Zainudin Abu Bakar, Dr. Bambang Sumintono, Signature: Date:	Certified by: Name: Signature: Date:																														

Department & Faculty: Department of Education Foundation, Faculty of Education		Page 4 of 4																															
Subject & Code: Application of Measurement and Evaluation in Research (MPF 2223) Total Lecture Hours: 42 hours (3 hours per week)		Semester: II Academic Session: 2008/2009																															
<p>Course Notes Lecture notes in power point slides uploaded in e-learning.</p> <p>References Baker, T. L. (1999). <i>Doing Soial Research</i>. 3rd edoiton. New York: McGraw-Hill Company</p> <p> Grounlun, N. E. And Lin, R. L. (1990). <i>Measurement and Evaluation in Teaching</i>. New York: Mcmillan Publishing Company</p> <p> Robson, C. (1997). <i>Real World Research</i>. USA: Blackwell Publisher Inc.</p> <p> Salkind, N. J. (1997). <i>Exploring Research</i>. 3rd edition. London: Prentice-Hall</p> <p> Shaughnessy, J. J. And Zechmester, E. B. (1994). <i>Research Methods in Psychology</i>. 3rd edition. New York: McGraw-Hill Company</p> <p><u>ASSESSMENT:</u></p> <table border="1"> <thead> <tr> <th>No</th> <th></th> <th>Quantity</th> <th>% each</th> <th>% total</th> <th>Dates</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Assignment</td> <td>3</td> <td>10%</td> <td>30%</td> <td>Deadline: week 8</td> </tr> <tr> <td>2</td> <td>Project</td> <td>2</td> <td>20%</td> <td>40%</td> <td>Deadline: week 14</td> </tr> <tr> <td>3</td> <td>Final Exam</td> <td>1</td> <td>30%</td> <td>30%</td> <td>Exam week</td> </tr> <tr> <td colspan="3">Overall Total</td> <td></td> <td>100%</td> <td></td> </tr> </tbody> </table>				No		Quantity	% each	% total	Dates	1	Assignment	3	10%	30%	Deadline: week 8	2	Project	2	20%	40%	Deadline: week 14	3	Final Exam	1	30%	30%	Exam week	Overall Total				100%	
No		Quantity	% each	% total	Dates																												
1	Assignment	3	10%	30%	Deadline: week 8																												
2	Project	2	20%	40%	Deadline: week 14																												
3	Final Exam	1	30%	30%	Exam week																												
Overall Total				100%																													
Prepared by: Name: Dr. Zainudin Abu Bakar, Dr. Bambang Sumintono Signature: Date:		Certified by: Name: Signature: Date:																															