

**AN INVESTIGATION OF ASSESSMENT PRACTICES
IN THE MBA DEGREE PROGRAM
IN A CHINESE UNIVERSITY**

Gryphon Sou

BS(Eng)(CCU) MAdmin (ACU) DMgt(IMC-SCU)

A Dissertation
submitted in partial fulfillment
of the requirements for the degree of
Doctor of Education

**University of Technology Sydney
Australia**

CERTIFICATE OF AUTHORSHIP/ORIGINALITY

I certify that the work in this thesis has not previously been submitted for a degree nor has it been submitted as part of requirements for a degree except as fully acknowledged within the text.

I also certify that the thesis has been written by me. Any help that I have received in my research work and the preparation of the thesis itself has been acknowledged.

In addition, I certify that all information sources and literature used are indicated in the thesis.

Signature of Student

Production Note:
Signature removed prior to publication.

ACKNOWLEDGMENT

My sincere thanks are due to the senior management of the Asia International Open University (AIOU) at the Macau Special Administrative Region, which has been generous enough to supply me the data for primary and secondary analysis. I wish to take this opportunity to express my gratitude to Prof. Shan-yu Zhuang, ex-Rector of AIOU as well as Prof. Fredrick Kai-ching Tao, the former Pro Vice Rector of AIOU for the support and stimulation they have afforded.

I would also like to acknowledge the cooperation of the internal and external examiners concerned; and the coordination and assistances of the two registrars of AIOU: Dr. Pinqiu Zhou and Ms. Linda Chan. Without their input, this research project could not be completed. Besides, I appreciate the advice from Prof. Geoff Riordan and, Prof. Bob Pithers, and the late Prof. Alison Lee of University of Technology Sydney (UTS). They have given me valuable comments in due course.

Finally, I am indebted to Prof. Tony Holland and Prof. Liam Morgan of UTS for their supervision on this research project. They have invariably shared his ideas and experiences with me and instigated my inspirations. After all, Prof. Holland and Prof. Morgan have undertaken a painstaking review of my final draft of this dissertation and helped me through the internal and external assessment processes.

Ultimately, I should also express thanks to Dr. Jayne Bye of University of Western Sydney and Dr. Stephen Howlett of The University of Sydney. They, as the External Examiners of my dissertation, offered very insightful and enlightening comments to me in the Examiner's Reports.

TABLE OF CONTENTS

CERTIFICATE OF AUTHORSHIP/ORIGINALITY	2
ACKNOWLEDGMENT	3
TABLE OF CONTENTS	4
LIST OF FIGURES	8
ABSTRACT	10
I. INTRODUCTION	13
1.1 Topic and Problematic	13
1.2 Research Question.....	16
1.3 Rationale for Research Question	18
II. BACKGROUND AND CONTEXT	20
2.1 Management Education in Global Context	20
2.2 Management Education in Mainland China.....	22
2.3 MBA of Asia International Open University (Macau).....	24
III. CONCEPTUAL FRAMEWORK AND LITERATURE REVIEW	27
3.1 Overview of Conceptual Framework	27
3.2 Program Evaluation for Quality Assurance	28
3.2.1 Accreditation or Professional Judgment Approach	29
3.2.2 Testing Approach.....	29
3.2.3 Tylerian Approach.....	30
3.2.4 Educational Quality Assurance through Program Evaluation	33
3.3 Quality Assurance of Higher Education	35
3.3.1 Educational Quality Assessment in America	36
3.3.2 Conventional Approaches of Educational Quality Assessment.....	36
3.3.2.1 <i>Conduct of Student Survey</i>	37
3.3.2.2 <i>Comparison of Actuarial Data</i>	38
3.3.2.3 <i>Ratings of Institutional Quality</i>	38
3.3.2.4 <i>Direct Measurement of Student Learning Outcomes</i>	39
3.4 Program Evaluation Models.....	40
3.4.1 Foundational Models of Program Evaluation.....	40
3.4.1.1 <i>Pseudo-Evaluation Models</i>	41
3.4.1.2 <i>Quasi-Evaluation Models</i>	42
3.4.1.3 <i>Improvement/ Accountability-Oriented Models</i>	42
3.4.1.4 <i>Social Agenda-Directed/ Advocacy Models</i>	43
3.4.2 Prerequisites of a Program Evaluation Model	43
3.4.2.1 <i>Development of Various Program Evaluation Methods</i>	45
3.4.2.2 <i>Alternative Program Evaluation Methods</i>	45

3.5	Assessment Practices	46
3.5.1	Match of Assessment Methods, Purposes and Learning Outcomes	47
3.5.2	Application of Assessment Methods in the MBA Program under Review	48
3.5.2.1	“Problem” as Assessment Task	48
3.5.2.2	“Case and Open Problem” as Assessment Task	48
3.5.2.3	“Project or Group Project” as Assessment Task.....	49
3.5.2.4	“Essay” as Assessment Task	50
3.5.2.5	“Reflective Practice Assignment” as Assessment Task	51
3.5.2.6	“Oral” as Assessment Task.....	52
3.5.2.7	“Presentation” as Assessment Task	52
3.6	Previous Research in Mainland China	53
3.6.1	Application of an International Assessment Method in the Subject Program	53
3.6.2	Literature Review in parallel with Findings of Previous Research	57
3.6.3	Definition of “Assessment of Student Learning Experiences”	58
3.6.3.1	Meaning of “Assessment”	59
3.6.3.2	Nature of Assessment Practices	60
3.7	Theoretical Proposition	62
3.7.1	Summary of Literature Review	65
IV.	RESEARCH METHODOLOGY.....	67
4.1	Overview of Methodology	67
4.1.1	Use of Mixed Methods	67
4.1.2	Sources of Data	69
4.2	Research Methods	71
4.2.1	Focus Group Interviews	72
4.2.2	Participant Observation	74
4.2.3	Content Analysis	75
4.2.4	Reasoning and Arguments.....	75
4.2.5	Constant Comparative Method.....	76
4.2.6	Interpretive Study.....	78
4.2.7	Application of Statistical Tools.....	79
4.2.7.1	Pearson Analysis.....	79
4.2.7.2	Analysis of Variance (ANOVA)	80
4.2.7.3	Dunnett’s tD Test.....	81
4.2.7.4	Tukey’s Honest Significant Difference (HSD) Test.....	81
4.2.7.5	Studentized Newman Keuls (S-N-K) Test.....	82
4.3	Research Procedures.....	82
4.3.1	Field-Notes and Analytic Memos.....	84
4.3.2	Open, Axial and Selective Coding.....	85
4.3.3	Realist, Confessional and Impressionist Tales	86

4.3.4	Data Categorization	88
4.3.5	Theming	90
4.4	Summary	94
V.	DATA ANALYSIS – STUDENT LEARNING EXPERIENCES.....	97
5.1	Synopsis.....	97
5.1.1	Conduct of Focus Group Interviews	97
5.1.2	Study of Primary and Secondary Data	99
5.1.3	Categorization of Primary and Secondary Data	99
5.2	Student Learning Experiences	100
5.2.1	Quality Management System of AIOU.....	101
5.2.2	Program Evaluation Model for Management Education.....	103
5.2.3	Findings of 2004-05 Graduate Survey.....	105
5.2.4	Coding of Secondary Data.....	114
5.2.4.1	<i>Teaching Process</i>	115
5.2.4.2	<i>Learning Process</i>	115
5.2.4.3	<i>Research Process</i>	116
5.2.4.4	<i>Appraisal Process</i>	116
5.2.5	Perception of the Candidates.....	117
5.2.6	Interaction between the Examiners and Candidates.....	118
VI.	DATA ANALYSIS – STUDENT LEARNING OUTCOMES.....	122
6.1	Synopsis.....	122
6.2	Student Learning Outcomes.....	122
6.2.1	Study of the Assessment Forms.....	123
6.2.2	Review of Candidates’ Performance.....	128
6.2.3	Observation of Candidates’ Learning Outcome.....	130
VII.	DATA ANALYSIS – ASSESSMENT PRACTICES.....	148
7.1	Synopsis.....	148
7.2	Assessment Practices	151
7.2.1	Shortcomings and Benefits of Assessment Practices.....	153
7.2.2	Student Learning Experiences versus Student Learning Outcomes	160
7.2.3	Fairness, Reliability and Validity of Assessment	164
7.2.4	Marking Variances in Assessment	166
7.2.5	Rating Errors in Assessment.....	171
VIII.	CONCLUSION.....	173
8.1	Consolidation of Data Analysis.....	173
8.2	Themes.....	173
8.2.1	Favorable SLE in Action Learning and Research	175
8.2.2	MBA Candidate becoming Career Manager	179
8.2.3	MBA Candidate should be Genius Pig rather than Copy Cat.....	180

8.2.4	Supervisor’s Assessment contrasting with Examiner’s Assessment	183
8.2.5	Management Learning Styles facilitating Fitness for Purposes	184
8.2.6	Favorable SLE not equating with Desirable SLO	185
8.2.7	Robust Assessment Practices ensuring Quality Education	186
8.3	Conclusion	187
IX.	RECOMMENDATIONS	193
9.1	Recommendations	193
9.2	Contribution to Body of Knowledge and Professional Practices	196
9.3	Implications for Further Research	198
	Appendix A: English Translation of MBA Thesis Assessment Form	199
	Appendix B: Outline of Questions for Focus Group Interview	201
	Appendix C: Serial Research on AIOU’s MBA Degree Program	202
	BIBLIOGRAPHY	203

LIST OF FIGURES

Figure 1: Conceptual Framework of Literature Review	27
Figure 2: Popularity Chronology of Educational Quality Assurance Approaches.....	37
Figure 3: Twenty-two Foundational Program Evaluation Models in Four Categories	41
Figure 4: Quality Prerequisites of Program Evaluation	44
Figure 5: Quality Management Process Model under ISO 9001:2000	54
Figure 6: Quality Management Process Model under ISO 9001:2000	55
Figure 7: Main Purposes of Student Assessment.....	59
Figure 8: Methodology embracing Five Research Methods.....	71
Figure 9: Constant Comparative Process in Constant Comparative Method	77
Figure 10: Data Collection Process for developing Thematic Statements	93
Figure 11: 331 MBA Candidates assessed and 23 Focus Group Interviews from 30.01.07 to 24.04.08.....	98
Figure 12: “Technical Literature” and “Non-Technical Literature” used in Data Analysis	99
Figure 13: Core Category, Category and Sub-Category developed by Coding	99
Figure 14: Diagram illustrating the Analytical Framework	100
Figure 15: A Prototype of Program Evaluation Model for AIOU’s MBA Degree Program	104
Figure 16: Perceived Degree of Importance/Satisfaction in Teaching Mode	106
Figure 17: Perceived Degree of Importance/Satisfaction in Subjects	107
Figure 18: Perceived Degree of Importance/Satisfaction in Training Materials	108
Figure 19: Perceived Degree of Importance/Satisfaction in Research Mode	109
Figure 20: Perceived Degree of Importance/Satisfaction in Appraisal Mode.....	110
Figure 21: Four Approach of Interaction between Examiners and Candidates in the Viva	119
Figure 22: Six Aspects of a Thesis to be assessed by Examiners	123
Figure 23: Some Big Topics of MBA Research Projects	123
Figure 24: Excerpt of the English Abstract of an MBA Thesis	124
Figure 25: English Proficiency of Asian Students	125
Figure 26: Candidates’ Reflection and Examiners’ Perception.....	128
Figure 27: Five Levels of Bigg’s Schema of Structure of the Observed Learning Outcome	131
Figure 28: Translation of the Preface of an MBA Thesis	132
Figure 29: Tetrahedron showing Relationships of Attitudes, Skills, Knowledge and Understanding	136
Figure 30: Expectation about the ASK on the Candidates of Higher Education.....	138
Figure 31: Typical Quotes from the Candidates with Intuitive SLE	141

Figure 32: Typical Quotes from the Candidates with Incidental SLE.....	141
Figure 33: Typical Quotes from the Candidates with Retrospective SLE	142
Figure 34: Typical Quotes from the Candidates with Prospective SLE	143
Figure 35: Ideal Quotes from the Candidates with Action Learning Experiences.....	146
Figure 36: Three Issues in Assessment Practices	148
Figure 37: Shortcomings of Assessment Practices vis-à-vis Research Findings	154
Figure 38: Benefits of Effective Assessment Practice.....	157
Figure 39: Marking Variances amongst Thesis Supervisors, Internal and External Examiners of 5 Panels.....	161
Figure 40: Five Failing Cases of Viva Voce in Panel 2, 4 and 5	163
Figure 41: Reliability Coefficients for Various Numbers of Assessors	165
Figure 42: Contrast Coefficients of Assessments	166
Figure 43: One Way ANOVA Test Results of the Marks given in 4 Assessments.....	167
Figure 44: Test of Homogeneity of Variances in Assessments.....	167
Figure 45: Contrast Tests of Assessments by Thesis Supervisors, Internal and External Examiners.....	168
Figure 46: Multiple Comparisons of Assessments.....	168
Figure 47: Post Hoc Multiple Comparisons of Assessments.....	169
Figure 48: Research and Findings on Marking Differences between Examiners from 1890 to 1994	170
Figure 49: Marking Difference of Thesis Supervisors, Internal/External Examiners and Academic Panels	170
Figure 50: Common Rating Errors.....	171
Figure 51: Seven Themes developed by Coding	174
Figure 52: Relative Important and Relative Satisfactory Subjects perceived by the Candidates	175
Figure 53: Relative Unimportant and Unsatisfactory Subjects perceived by the Candidates	176
Figure 54: Relative Important/Satisfactory and Unimportant/Unsatisfactory Aspects of Research Process.....	176
Figure 55: Relative Important and Satisfactory Aspects of Appraisal Process perceived by the Candidates	177
Figure 56: Relative Important/Satisfactory and Unimportant/Unsatisfactory Aspects of Appraisal Process	177
Figure 57: Program Evaluation Model for Quality Assurance of AIOU's MBA Degree Program	197

ABSTRACT

The Master of Business Administration (MBA) degree was introduced into mainland China in 1982 and Renmin University of China was one of the first Chinese business schools to start MBA education. In recent years, there has been an increasing demand for the MBA degree programs for Chinese career managers. However during this time in mainland China, international accreditation of MBA degree programs was not in place and there was no evaluation model utilized for quality assurance of those programs especially their assessment practices. Thus the situation merited further research to develop such a model.

This study initially investigated the assessment practices of a 2-year part-time MBA degree program in China. To complete this program, the candidates had to study 17 core subjects plus 3-out-of-6 elective subjects and conduct an action research project leading to a master thesis and a viva. The assessment practices of these subjects, theses and viva were analyzed both from the perspectives of the candidates and the examiners and this formed the basis of the research and evaluative data.

In this research, the Student Learning Experiences (SLE) and Student Learning Outcomes (SLO) of the MBA candidates were collected as well as the perceptions and views of the internal and external examiners. The “quality” of the subject program through the study of the candidates’ theses and performance in the viva against the criteria of the Asia International Open University (Macau) and the assessments made by its examiners were also investigated.

A pilot study by means of Pearson and ANOVA Analysis revealed that the students (n = 1,074) of the subject program had favorable Student Learning Experiences on the learning and research processes but less favorable Student Learning Experiences on the appraisal

process. From 2007 to 2008, the author further sampled 331 candidates from 20 higher education institutions within mainland China. Those candidates, who attended the viva, had the Student Learning Experiences that was studied in this research. From the perspectives of the candidates, the subject program provided favorable Student Learning Experiences particularly the action research and the viva voce.

The author explored the candidates' Student Learning Experiences on the research or assessment processes and analyzed their Student Learning Outcomes through the thesis supervisors and examiners. In the sampling period, the author held 23 focus group interviews with all the available examiners and the registrars. To add value to the interpretive part of this study, the author further analyzed the sampled candidates' Student Learning Experiences and Student Learning Outcomes ($n = 331$) with the aid of Pearson's Analysis, ANOVA, Dunnett's tD Test, S-N-K Test and Tukey HSD Test ($n = 67$).

Qualitative and quantitative data analysis disclosed that the less favorable Student Learning Experiences of the candidates was partially attributed to the marking variances of the thesis supervisors and the thesis examiners. The former regarded the assessment task of marking the thesis as a norm-referenced assessment while the latter regarded it as a criteria-referenced or an objective-referenced assessment. Findings of the statistical tests on the marking variances showed that the thesis supervisors were more lenient than the examiners in the assessment task.

Focus group interviews revealed that the examiners wished to maintain key characteristic of formative and summative as well as diagnostic assessment in the marking processes. It is difficult for any assessment to have three characteristics. Nevertheless, it might not be impossible for a management education program to have an integrated assessment program that could do the work of these types of assessment.

This study identified nine areas for improvements. They included (1) Scope of Action Research, (2) Compilation of Thesis, (3) Reflection of Candidates, (4) Pre-Notification of Assessments, (5) Elimination of Marking Variances, (6) Change of Assessment Process, (7) Transformation of Students, (8) Benchmarking of Student Learning Outcomes, and (9) Development of Management Learning Styles.

Based on the results of this research, a program evaluation model for quality assurance of an MBA program is proposed. This model is based on the identified needs to assure the quality of a management education program through robust assessment practices that measure whether the program can achieve the desired Student Learning Outcomes. This model also includes quality assurance tools to measure the Student Learning Experiences in the program. With due consideration of Student Learning Outcomes and Student Learning Experiences, the assessment practices should give a more holistic view of the educational quality of the program.

However, such a model should be applied in an integrated manner. Recommendations for its application are detailed in the last chapter of this dissertation. The proposed model contributes to the wide body of knowledge in “program evaluation”; and also enhances the knowledge base of educators who wish to cultivate effective career managers in mainland China. Thus, this research also makes an important contribution to the professional practices of management education.