

AOL Report Management Engineering Program Assessment (2012)

The Management Engineering (ME) Program pursues excellence in academic research based on great emphasis on scientific methodology and theoretical expertise.

The research areas include Accounting, Managerial Economics, Finance, Organization & Strategic Management, Marketing, IT Management, Operation Strategy & Management Science. Students in this program intensively learn various theories and analytical skills to be highly achieved scholars.

- Total Course: 41 (Spring, 2012: 19 / Fall, 2011: 22)
- Number of Graduate: 49 (Master: 38, Ph.D.: 11)
- Total Enrollment: 1st 201/ 2nd 189
- Sample: 7~26 (15% of 49 = 7)
- Assessment Course:

Learning Goal 1	Qualification Exam - Sample: 13 (27% of Graduate 49)
Learning Goal 2	Defense of Dissertation
Learning Goal 3	- Sample: 26 (53 % of Graduate 49)
Learning Goal 4	BA771 IT Strategy - Sample: 7 (14 % of Graduate 49)

Overview of Assessment

Management Engineering Program Assessment: Learning Goal 1		
Our graduates will have skills (or ability) to conduct quality research.		
Learning Objective	Sample	Methods
(L11) Graduate will have basic quantitative skills for research. (L22) Graduate will have basic theory, analytical research tools , and background about their research area.	Qualification Exam in Fall Semester (N= 13)	- Qualification Exam evaluation
- Professor in charge evaluates doctoral students who took qualification exam. * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectation)		

Management Engineering Program Assessment: Learning Goal 2		
Our graduates will be effective professional communicators.		
Learning Objective	Sample	Methods
(L21) Our student will create well-written professional papers on a research topic. (L22) Our students will deliver an effective oral presentation on a research topic.	Defense of Dissertation in Fall Semester (N= 25)	- Dissertation evaluation
- Uses dissertation evaluation in defenses of dissertation. * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectation)		

Management Engineering Program Assessment: Learning Goal 3		
Learning Goal Our graduates will be capable researchers.		
Learning Objective	Sample	Methods
1. Our student will identify and diagnose management/research problems. (L31) 2. Our students will engage in management research and present the findings of such research effectively. (L32)	Defense of Dissertation in Fall Semester (N= 25)	- Dissertation evaluation
- Uses dissertation evaluation in defenses of dissertation * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectation)		

Management Engineering Program Assessment: Learning Goal 4		
Our graduates will use team building successfully.		
Learning Objective	Sample	Methods
(L41) Our students will know how to build a academic team successfully.	Student enrolled in BA771 (N=7)	- Course-embedded survey (peer evaluation)
- Using Course-embedded survey in BA 771 for peer review among team * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectation)		

Data Analysis and Results

Assessment Learning Goal 1: Qualification Exam									
Professor in charge evaluates the 1 st year doctoral students									
Student Number	L11					L12			
	1	2	3	4	5	1	2	3	4
1	3	3	2	3	3	3	2	3	3
2	2	2	3	3	3	3	3	3	2
3	2	3	3	2	2	2	2	2	2
4	3	3	3	2	2	2	2	2	2
5	3	3	3	2	3	3	2	2	3
6	3	3	3	3	3	3	3	3	2
7	3	3	3	3	3	3	3	3	2
8	3	3	3	3	3	3	3	3	3
9	2	3	2	2	2	2	2	3	2
10	3	2	3	3	3	3	3	2	3
11	3	2	3	3	2	3	3	2	3
12	2	3	1	2	3	3	1	1	3
13	2	3	1	2	3	3	1	1	2
3 point total	0	0	2	0	0	0	2	2	0
2 point total	5	3	2	6	4	3	5	5	7
1 point total	8	10	9	7	9	10	6	6	6
Mean	2.62	2.77	2.54	2.54	2.69	2.77	2.31	2.31	2.46

* Criteria: 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceeds Expectations)

Assessment Learning Goal 2: Defense of Dissertation													
Committee member evaluates the master or doctoral students													
Student Number	L21						L22						
	1	2	3	4	5	6	1	2	3	4	5	6	7
1	3	2	2	3	2	3	2	3	2	2	2	2	3
2	3	3	2	3	3	3	3	3	3	3	3	3	2
3	2	3	3	2	2	3	2	3	2	2	2	3	2
4	3	3	3	3	3	3	2	3	3	3	3	3	3
5	3	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	2	2	3	3	3
7	3	3	3	3	3	3	3	3	3	3	3	3	3
8	2	3	3	2	3	3	2	3	2	3	3	3	2
9	3	3	3	3	3	3	3	2	3	2	3	3	3
10	3	3	2	3	3	3	3	3	3	3	3	3	3
11	3	3	2	3	3	2	3	3	3	3	3	3	2
12	2	3	2	2	2	2	3	3	2	2	3	2	2
13	3	3	3	2	3	2	3	3	3	3	2	3	3
14	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	3	3	2	3	3	2	2	3	3	3	2	2
16	3	3	2	3	3	3	3	3	2	3	3	3	2
17	2	3	2	3	3	3	3	3	3	3	3	3	2
18	2	1	1	3	2	1	3	3	3	1	3	3	2
19	3	2	3	3	3	3	3	3	3	3	3	2	3
20	2	3	3	2	3	3	3	3	3	3	2	2	3
21	3	3	3	3	3	2	3	2	2	3	3	2	3
22	3	3	2	3	3	3	3	3	3	2	3	3	3
23	3	3	3	3	3	3	3	3	3	3	3	3	3
24	3	3	2	3	3	3	3	3	3	3	3	3	3
25	2	2	2	2	2	2	2	2	2	2	2	2	2
26	3	3	3	2	3	3	3	3	3	3	3	2	3
3 point total	0	1	1	0	0	1	0	0	0	1	0	0	0
2 point total	9	4	11	9	6	6	7	5	9	8	6	9	11
1 point total	17	21	14	17	20	19	19	21	17	17	20	17	15
Mean	2.65	2.77	2.50	2.65	2.77	2.69	2.73	2.81	2.65	2.62	2.77	2.65	2.58

* Criteria: 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceeds Expectations)

Assessment Learning Goal 3: Defense of Dissertation												
Committee member evaluates the master or doctoral students												
Student Number	L31							L32				
	1	2	3	4	5	6	7	1	2	3	4	5
1	2	2	3	3	2	3	3	2	2	2	2	3
2	3	3	2	3	3	3	3	2	3	2	3	3
3	2	2	3	2	2	2	2	2	3	3	2	2
4	3	3	3	3	2	3	3	3	3	2	3	3
5	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	3	3	3
7	2	2	3	3	3	2	3	3	3	2	3	3
8	2	3	3	2	3	3	3	3	3	3	3	3
9	3	3	2	2	3	3	3	3	3	3	2	3
10	3	3	3	3	3	3	3	3	3	3	3	3
11	3	3	3	3	3	3	3	3	3	3	3	3
12	2	2	2	2	2	2	3	3	3	2	2	2
13	3	3	3	2	3	3	3	3	3	2	3	2
14	2	2	2	2	2	2	2	2	2	2	2	2
15	2	3	3	2	2	2	3	3	2	2	2	2
16	3	3	3	3	3	3	3	3	3	3	2	2
17	3	3	3	3	3	2	3	3	3	3	3	3
18	3	3	3	3	2	3	3	3	3	3	2	3
19	3	3	3	3	3	3	3	3	3	3	3	3
20	2	2	3	3	3	2	3	3	3	2	3	2
21	3	3	3	3	3	3	2	3	3	3	3	3
22	3	3	3	3	3	3	3	3	3	3	3	3
23	3	2	3	3	3	3	3	2	3	2	3	2
24	3	2	3	3	3	3	3	2	3	2	3	2
25	2	2	2	2	2	2	2	2	2	2	2	2
26	3	2	3	2	3	3	3	2	3	3	3	2
3 point total	0	0	0	0	0	0	0	0	0	0	0	0
2 point total	9	10	5	9	8	8	4	8	4	12	9	11
1 point total	17	16	21	17	18	18	22	18	22	14	17	15
Mean	2.65	2.62	2.81	2.65	2.69	2.69	2.85	2.69	2.85	2.54	2.65	2.58

* Criteria: 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceeds Expectations)

Assessment Learning Goal 4: BA 771				
Using course-embedded survey (peer evaluation)				
Student Number	L41			
	1	2	3	4
1	3	3	3	2
2	2	2	3	3
3	3	3	3	3
4	3	3	3	3
5	2	3	3	3
6	3	3	3	3
7	3	3	3	3
3 point total	0	0	0	0
2 point total	2	1	0	1
1 point total	5	6	7	6
Mean	2.71	2.86	3.00	2.86

* Criteria: 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceeds Expectations)

Result Interpretation and Comments

- Learning Goal 1 – Objective 1 (L11)

Overall score is 2.63 for L11. The results imply that the graduates have enough quantitative skills for their research. In particular, average score for ‘Identification of research problems’ is 2.77. The graduates are capable of identifying important problems and issues in their research areas which are the most important quality to become researchers. Average scores for other criteria also exceed 2.5, which implies that the graduates have quantitative skills that exceed expectations, as a college intended.

- Learning Goal 1 – Objective 2 (L12)

Overall score is 2.46 for L12. The results imply that the graduates have enough knowledge about their research areas, theories and research tools. In particular, average score for ‘Understanding theory’ is 2.77. It shows the graduates are well aware of theories that are important. In contrast, average score for ‘Application of theory’ is 2.31. Although it is still a high score, it is the lowest one among other criteria. Therefore, the college also needs to put more emphasis on application of theory.

- Learning Goal 2 – Objective 1 (L21)

Overall score is 2.67 for L21. The results imply that the graduates are able to write well-written professional papers. In particular, average score for ‘Language’ is 2.77. It suggests that the graduates are able to deliver their arguments properly. However average score for ‘Spelling and grammar’ is 2.50. It suggests that more education on English skill is required.

- Learning Goal 2 – Objective 2 (L22)

Overall score is 2.69 for L22. The results imply that the graduates can deliver an effective oral presentation. Average score for ‘Quality of slides’ is 2.81. It shows an effort and high dedication of the graduates. All criteria score exceed 2.5. It is the result from the college’s effort to enhance presentation skills. A course named ‘Business presentation’ is mandated for every student.

- Learning Goal 3 – Objective 1 (L31)

Overall score is 2.71 for L31. The results imply that our students can diagnose research problems. Especially, average score for ‘Ethical solutions’ is 2.85. It shows that the college’s effort to emphasize ethical approach is successful.

- Learning Goal 3 – Objective 2 (L32)

Overall score is 2.66 for L32. The results imply that our students can approach research problem

in a proper way. In particular, average score for 'problem/objective finding' is 2.85. It is consistent with the result shown in L11. Score for the other criteria also exceed 2.5.

- Learning Goal 4 – Objective 1 (L41)

Overall score for L41 is 2.86 which is exceptionally high. It suggests that our students are excellent at team work, which is one of the most important quality to become a great researcher.

- Overall Comments

In general, most of the graduate achieved more than the college expected. Their quantitative skills, dedication and team work was distinctive. Also, the college needs to improve on several aspects such as English skills or application of theories.