

AOL Report Management Engineering Program Assessment (2013)

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, Operations Strategy & Management Science. Students in this program intensively learn various theories and analytical skills to be highly achieved scholars.

- Total Course: 40 (Spring, 2013: 19 / Fall, 2013: 21)
- Number of Graduate: 54 (Master: 46, Ph.D.: 8)
- Total Enrollment: 203
- Sample: 17~22 (15% of 54 = 8.1)
- Assessment Course:

Learning Goal 1	Qualification Exam - Sample: 22 (41% of Graduate 54)
Learning Goal 2	Defense of Dissertation
Learning Goal 3	- Sample: 17 (31% of Graduate 54)

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=22)	- 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=17)	- 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
(L31) Our student will identify and diagnose management/research problems. (L32) Our students will engage in management research and present the findings of such research effectively.	Defense of Dissertation in Fall Semester (N=17)	- Dissertation evaluation
- Uses dissertation evaluation in defenses of dissertation * 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	2	3	2	3	2	3	3	2	2
2	3	3	2	3	2	2	3	2	3
3	2	3	3	3	3	3	2	2	3
4	3	3	3	3	3	2	3	3	3
5	2	3	3	3	3	3	3	3	3
6	3	3	2	3	3	3	3	3	3
7	2	3	2	3	3	2	3	3	3
8	3	2	2	3	3	2	3	2	2
9	3	3	3	3	2	3	3	2	3
10	2	3	2	3	3	3	3	3	3
11	2	3	2	3	3	3	2	3	3
12	2	2	3	2	2	2	3	3	3
13	2	2	3	2	2	2	2	3	3
14	2	2	3	2	2	2	3	3	2
15	2	2	3	2	2	2	3	3	2
16	2	2	3	2	2	2	2	3	2
17	2	2	2	2	2	2	2	2	2
18	3	3	3	3	3	3	3	3	3
19	2	3	3	3	2	3	3	3	3
20	2	2	2	2	2	2	2	2	2
21	2	2	3	2	2	2	3	2	3
22	2	2	3	3	2	2	3	2	3
1 point total	0	0	0	0	0	0	0	0	0
2 point total	16	10	9	8	13	13	6	9	7
3 point total	6	12	13	14	9	9	16	13	15
Mean	2.27	2.55	2.59	2.64	2.41	2.41	2.73	2.59	2.68

* 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	3	3	2	3	3	3	3	3	3	3	2	3
2	3	2	2	3	2	2	2	2	2	2	2	2	3
3	3	3	3	3	3	2	3	3	3	2	3	3	3
4	2	3	3	2	2	2	3	2	2	2	3	2	2
5	3	2	2	3	3	3	3	3	3	3	3	2	2
6	3	3	3	3	3	3	3	3	2	2	3	2	2
7	3	2	3	3	3	3	3	2	2	2	3	3	3
8	3	2	2	2	3	3	3	2	3	3	3	3	3
9	3	2	2	3	2	2	3	3	2	2	2	3	2
10	3	2	2	3	3	2	3	3	3	2	3	3	2
11	2	2	2	3	2	2	2	3	3	3	3	3	3
12	3	3	2	3	3	3	3	3	2	2	3	3	3
13	3	3	3	3	3	2	3	2	3	3	3	3	3
14	2	2	2	3	2	2	3	3	2	2	2	2	2
15	2	2	2	1	1	2	1	2	1	1	1	1	2
16	3	2	2	3	3	3	3	3	2	3	3	3	3
17	2	3	2	3	2	3	2	3	2	2	3	2	2
1 point total	0	0	0	1	1	0	1	0	1	1	1	1	0
2 point total	5	10	11	3	6	9	3	6	9	10	3	7	8
3 point total	12	7	6	13	10	8	13	11	7	6	13	9	9
Mean	2.71	2.41	2.35	2.71	2.53	2.47	2.71	2.65	2.35	2.29	2.71	2.47	2.53

* 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	1	2	3	4	5	6	7
1	3	3	2	2	3	2	3	3	3	3	2	3	3
2	2	2	3	2	2	2	2	2	2	3	2	2	2
3	3	3	3	3	3	2	3	3	3	2	3	3	3
4	2	2	2	2	2	2	3	3	3	2	2	2	2
5	3	3	3	2	3	3	3	3	3	3	3	3	3
6	3	2	3	2	3	2	3	2	3	2	3	2	3
7	3	3	3	3	3	2	3	3	3	3	3	3	3
8	3	2	3	2	3	2	3	3	3	2	2	2	3
9	2	2	3	3	3	3	3	3	3	3	2	2	2
10	2	2	3	3	3	3	3	3	3	3	2	2	2
11	2	2	3	2	3	3	3	3	3	3	2	2	2
12	3	2	3	2	3	3	3	3	3	3	2	2	3
13	3	3	3	3	3	3	3	3	3	3	3	3	3
14	2	2	3	2	2	2	3	2	2	2	2	2	2
15	2	1	2	2	2	2	2	1	2	1	2	2	2
16	3	3	3	2	3	2	3	3	3	2	2	3	3
17	3	2	3	2	3	3	3	3	3	2	2	3	3
1 point total	0	1	0	0	0	0	0	1	0	1	0	0	0
2 point total	7	10	3	12	4	10	2	3	3	7	12	10	7
3 point total	10	6	14	5	13	7	15	13	14	9	5	7	10
Mean	2.59	2.29	2.82	2.29	2.76	2.41	2.88	2.71	2.82	2.47	2.29	2.41	2.59

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

Result Interpretation and Comments

- Learning Goal 1

Overall scores for L1, L11, and L12 are 2.54, 2.49, and 2.60 respectively. In 2012, the scores were 2.56, 2.63, and 2.46. There had been some changes, but the differences are insignificant. The survey results imply that the graduates have enough skills to conduct quality research that exceed expectations. In particular, an average score for 'Application of Theory' is 2.73. On contrary, an average score for 'Logic and Organization' is 2.27. Though it meets the expectation, further improvement is required.

- Learning Goal 2

Overall scores for L2, L21, and L22 are 2.53, 2.53, and 2.53 respectively. In 2012, the scores were 2.67, 2.67, and 2.68. The scores dropped slightly. The results show that the graduates are able to effectively communicate with others about their research topics. It is noteworthy that the graduates scored above 2.7 on 'Organization', and 'Professionalism'. It shows that our graduates can deliver an effective oral presentation. In contrast, an average score for 'Spelling and Grammar' is less than 2.4. It suggests that more education on English skill is required.

- Learning Goal 3

Overall score for L3, L31, and L32 are 2.56, 2.58, and 2.54 respectively. In 2012, the scores were 2.69, 2.71, and 2.66. The results imply that our students can think creatively. In L31, three out of seven traits scored more than 2.7 which suggest that the graduates are capable of diagnosing research problems. In contrast, the score for 'solution finding' is 2.29. It shows that the college needs to enhance solution finding skills of the graduates.

- Overall Comments

In general, all of the traits scored more than 2.0 which means that on average, the graduates meet or exceed expectations. The graduates' understanding of theory and presentation skill was outstanding. However, the college needs to improve on several aspects such as solution finding and logical thinking.