

2020 AOL Report

Information Management in MS Program

The Information Management in MS (IMMS) Program is a 2-year part-time Master program with the vision 'To Become an IT Management Professional'. Main purpose of IMMS program is to foster professionals armed with deep knowledge of IT technology and insight of IT industry. It educates students who desire self-improvement but have difficulties in enrolling in full-time degree programs.

Overall Review

The learning goals for this program evaluates students' achievement in diverse perspectives. The first learning goal (L1) is about professional communication skill. In order to evaluate whether students have achieved this goal, we measured each students based on the traits that shows students' presentation delivery and paper composition skills. The second learning goal (L2) is about strategic thinking and value innovation. This learning goal is evaluated according to students' use of analytical techniques and getting knowledge on emerging information technology. For third learning goal, L3 measured students' domain expertise in IT management. This learning goal shows students achievements on building IT management industry specific knowledge and understanding the key issues and applying domain expertise to the business problems in the IT. The last learning goal (L4), aims to measure whether students are armed with analytical and creative thinking. The goal is evaluated based on the capability to identify and diagnose management research problems and the ability to engage in management research and effectively present findings.

The results of the performance of Assurance of Learning (AOL) show that all of the learning goals in each class meet expectations with average scores exceeding 2. That is, every class for this program satisfies the given criteria. In sum, the results imply that the program successfully prepares the students to get the advanced knowledge and skills needed to deal with the challenges in emerging IT business environments.

- Total number of courses: 18 (Spring:9 Summer:2 Fall:7)
- Total number of graduates: _56_
- Total number of enrollment: __115__ (1st: _56_ 2nd: _59_)
- Sample: _40_ (Necessary sample: 15% of graduates = _8_)
- Assessment courses

Learning Goal 1	L11	MGT503 Management Statistical Analysis
	L12	MGT503 Management Statistical Analysis
Learning Goal 2	L21	MIM511 IT-based Business Innovation
	L22	MIM511 IT-based Business Innovation
Learning Goal 3	L31	MIM511 IT-based Business Innovation
	L32	MIM511 IT-based Business Innovation
Learning Goal 4	L41	MGT503 Management Statistical Analysis
	L42	MGT503 Management Statistical Analysis

Overview of Assessment

**The total number of students in this program is so high that we randomly selected two-third of the students in each course for convenience. Though randomly selected, distribution of grades remained even.*

Program Name: Assessment Learning Goal 1		
(Learning Goal 1 Professional Communication)		
Learning Objective	Sample	Methods
L11) Skills to deliver effective presentation accompanied with proper IT management	Students enrolled in MGT503 (N=40)*	Course-embedded presentation evaluation by faculty
L12) Our student will create well-written professional papers on a research topic.	Students enrolled in MGT503 (N=40)*	Dissertation evaluation
Findings		
<ul style="list-style-type: none"> - The average scores for L11 and L12 are 2.654 and 2.650. - Both L11 and L12 meet expectations successfully. - The achievement in presentation delivery (L11) is higher than that in creating professional papers (L12). - The ratio of students exceeded expectation (scored 3) for L11 and L12 are 0.746 and 0.650 respectively implying that the majority of students exceeded expectation for L1. 		
* Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)		

Program Name: Assessment Learning Goal 2		
(Learning Goal 2 Strategic Thinking & Value Innovation)		
Learning Objective	Sample	Methods
L21) Using appropriate analytical techniques to solve IT management problems and will demonstrate the ability of sound business research	Students enrolled in MIM511 (N=38)*	Course-embedded test evaluation by faculty
L22) Studying emerging information technology.	Students enrolled in MIM511 (N=38)*	Course-embedded assignment evaluation by faculty
Findings		
<ul style="list-style-type: none"> - The average scores for L21 and L22 are 2.451 and 2.432. - Both L21 and L22 meet expectations successfully. - The achievement in using appropriate analytical techniques (L21) is higher than that in studying emerging information technology (L22). - The ratio of students exceeded expectations (scored over 3) for L21 and L22 are 0.508 and 0.458 respectively implying that the majority of students meet expectation for L2. 		
* Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)		

Program Name: Assessment Learning Goal 3		
(Learning Goal 3 Domain expertise in IT Management)		
Learning Objective	Sample	Methods
L31) Building IT management industry specific knowledge and understand the key issues.	Students enrolled in MIM511 (N=38)*	Course-embedded assignment evaluation by faculty
L32) Applying domain expertise to the business problems in the IT management.	Students enrolled in MIM511 (N=38)*	Course-embedded assignment evaluation by faculty
Findings		
<ul style="list-style-type: none"> - The average scores for L31 and L32 are 2.513 and 2.487. - Both L31 and L32 meet expectations successfully. - The achievement in building IT management industry specific knowledge and understand the key issues (L31) is higher than that in applying domain expertise to the business problems in the IT (L32). - The ratio of students exceeded expectations (scored over 3) for L31 and L32 are 0.526 and 0.500 respectively implying that the majority of students meet expectation for L3. <p>* Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)</p>		

Program Name: Assessment Learning Goal 4		
(Learning Goal 4 Analytical and Creative Thinking)		
Learning Objective	Sample	Methods
L41) Capability to identify and diagnose management/research problems.	Students enrolled in MGT503 (N=40)*	Course-embedded assignment evaluation by faculty
L42) Ability to engage in management research and present findings effectively.	Students enrolled in MGT503 (N=40)*	Dissertation evaluation
Findings		
<ul style="list-style-type: none"> - The average scores for L41 and L42 are 2.707 and 2.675. - Both L41 and L42 meet expectations successfully. - The ratio of students exceeded expectations (scored 3) for L41 and L42 are 0.707 and 0.675 respectively implying that the majority of students exceed expectation for L4. <p>* Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)</p>		

Data Analysis and Results

Assessment Learning Goal 1(L1): MGT503 (N=40)													
Learning Goal	L1: Professional Communication												
	L11: Skills to deliver effective presentation accompanied with proper IT management							L12: Our student will create well-written professional papers on a research topic.					
Traits	T1. Organization	T2. Quality of slides	T3. Voice Quality and pace	T4. Mannerisms	T5. Professionalism	T6. Use of media/report with audience	T7. Ability to answer question	T1. Logic and organization	T2. Language	T3. Spelling and grammar	T4. Development of ideas	T5. Purpose and audience	T6. Format
Students													
1	3	3	3	2	3	3	3	3	3	2	2	2	3
2	3	2	3	3	3	3	2	2	2	3	3	3	2
3	2	3	3	2	2	2	3	3	3	3	3	3	3
4	3	2	3	2	3	2	3	3	3	2	3	2	3
5	3	3	3	2	3	3	3	3	3	3	3	3	2
6	3	3	2	3	3	3	3	3	3	2	3	3	2
7	3	3	3	2	2	2	3	3	3	3	3	3	3
8	2	3	3	2	3	3	2	2	3	3	3	2	3
9	3	3	3	2	2	3	3	3	2	2	3	3	3
10	3	2	3	2	3	2	2	2	3	3	3	3	3
11	2	3	3	2	3	3	2	3	3	2	2	3	3
12	3	3	3	3	3	3	2	3	3	3	2	2	2
13	3	2	3	3	3	2	3	2	3	2	3	3	2
14	2	2	3	2	3	2	3	3	3	3	2	2	3
15	3	2	3	3	3	2	2	3	3	2	2	3	3
16	3	2	3	2	3	3	2	3	2	2	2	3	2
17	3	3	3	2	3	2	3	3	3	3	3	3	3

Total Score	110	104	116	96	112	102	103	106	114	101	104	105	106
Average	2.750	2.600	2.900	2.400	2.800	2.550	2.575	2.650	2.850	2.525	2.600	2.625	2.650
Total Average	2.654							2.650					

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

Assessment Learning Goal 2(L2): MIM511 (N=38)												
Learning Goal	L2: Strategic Thinking & Value Innovation											
	L21: Using appropriate analytical techniques to solve IT management problems and will demonstrate the ability of sound business research							L22: Studying emerging information technology				
Traits	T1. Factual knowledge	T2. Application of strategic analytical tool	T3. Application of financial analysis	T4. Identification of problem/issues	T5. Generation of alternatives	T6. Recommendations	T7. Business research	T1. Consideration	T2. Management principle	T3. Intellectual sensitivity	T4. Horizontal synthesis	T5. Vertical synthesis
Students												
1	2	3	1	2	3	3	3	2	3	2	2	3
2	2	2	2	3	3	3	3	2	2	3	2	2
3	3	3	1	3	2	2	2	3	3	2	2	2
4	2	3	1	3	3	3	2	2	2	2	2	3
5	2	2	2	3	3	3	2	2	1	2	2	2
6	2	2	2	3	3	3	2	2	2	2	2	2
7	3	2	2	3	3	2	3	2	3	3	3	3
8	3	3	2	3	2	3	3	3	2	3	3	2
9	3	3	2	2	3	2	2	3	2	2	3	2
10	1	2	2	2	2	3	2	2	2	2	2	2
11	2	3	3	2	3	2	2	2	3	2	3	3
12	2	2	1	2	2	2	2	2	3	2	3	3
13	3	2	2	3	3	3	3	3	2	3	2	3
14	1	2	1	2	1	1	2	2	2	3	3	2
15	2	2	2	2	2	2	2	2	2	2	3	3
16	2	2	2	1	2	2	3	1	1	2	2	2
17	3	2	2	3	3	3	3	3	3	3	3	2
18	2	2	3	2	2	2	2	3	2	3	2	2

19	2	2	3	3	3	3	2	3	3	3	3	2
20	3	3	2	3	2	3	3	3	3	3	3	3
21	2	1	1	2	1	2	2	2	1	2	1	2
22	2	3	3	3	3	3	2	3	3	3	3	3
23	3	3	2	3	3	3	3	3	3	3	2	2
24	2	3	2	3	3	3	3	3	3	3	2	3
25	3	2	3	3	3	2	3	2	3	3	3	3
26	3	2	3	3	3	3	3	3	3	2	2	2
27	2	3	2	2	3	3	3	2	3	3	2	3
28	2	3	3	2	3	2	2	2	3	2	2	2
29	3	2	3	2	2	2	2	2	3	3	3	2
30	3	3	3	3	3	3	3	3	3	3	2	2
31	3	3	3	3	3	3	3	3	3	3	2	3
32	3	2	2	2	2	3	2	2	2	2	3	2
33	3	2	3	2	2	3	2	3	2	2	2	2
34	1	2	1	2	2	2	2	2	2	2	2	2
35	2	3	2	3	2	3	3	2	2	2	2	2
36	3	3	3	3	3	3	3	3	3	2	2	3
37	3	3	2	3	3	3	2	3	2	3	3	3
38	3	3	3	2	3	3	3	3	2	2	3	3
# of 3 point	18	18	13	21	23	24	18	18	19	18	16	16
# of 2 point	17	19	18	16	13	13	20	19	16	20	21	22
# of 1 point	3	1	7	1	2	1	0	1	3	0	1	0
Total Score	91	93	82	96	97	99	94	93	92	94	91	92
Average	2.395	2.447	2.158	2.526	2.553	2.605	2.474	2.447	2.421	2.474	2.395	2.421

Total Average	2.451	2.432
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Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)

Assessment Learning Goal 3(L31): MIM511 (N=38)				
Learning Goal	L3: Domain expertise in IT Management			
	L31: Building IT management industry specific knowledge and understand the key issues		L32: Applying domain expertise to the business problems in the IT management	
Traits	T1. Build industry specific knowledge	T2. Understand the key issues of business environment	T1. Apply industry specific knowledge to a specific problem	T2. Recommend solutions using structured approach
Students				
1	2	3	3	3
2	3	2	2	3
3	2	3	2	2
4	1	2	2	2
5	2	2	3	3
6	2	2	2	2
7	3	3	2	2
8	3	2	3	3
9	2	2	2	2
10	2	2	2	3
11	2	2	3	2
12	3	3	2	2
13	2	3	3	3
14	2	2	2	2
15	2	2	3	3
16	2	2	2	2
17	2	3	3	3
18	2	2	2	2

19	3	3	3	3
20	2	3	3	3
21	2	2	2	2
22	3	3	3	3
23	3	3	3	3
24	3	3	3	3
25	2	3	3	3
26	3	2	2	2
27	3	3	3	2
28	2	3	3	2
29	3	3	3	3
30	3	3	2	3
31	3	3	3	3
32	2	3	2	2
33	3	2	3	2
34	3	2	1	2
35	3	3	2	2
36	3	3	2	3
37	3	3	3	2
38	2	3	2	3
# of 3 points	18	22	19	19
# of 2 point	19	16	18	19
# of 1 point	1	0	1	0
Total Score	93	98	94	95
Average	2.447	2.579	2.474	2.500
Total Average	2.513		2.487	

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

Assessment Learning Goal 4(L41): MGT503 (N=40)												
Learning Goal	L4: Analytical and Creative Thinking											
	L41: Capability to identify and diagnose management/research problems							L42: Ability to engage in management research and present findings effectively				
Traits	T1. Identify management/research issue and concepts	T2. Identify alternative options	T3. Quantitative evaluation	T4. Qualitative evaluation	T5. Present and organize work in a logical manner	T6. Use new ideas and analysis methods not included in the problem	T7. Use ethical and professionally responsible documentation and propose ethical solutions	T1. Fact finding	T2. Problem/objective finding	T3. Idea finding	T4. Solution finding	T5. Acceptance finding
Students												
1	3	2	3	3	3	2	3	3	3	2	3	3
2	2	3	3	3	3	3	3	3	3	3	3	2
3	2	3	3	3	3	3	3	3	2	3	3	3
4	3	3	3	2	3	3	3	3	3	2	3	2
5	3	2	3	3	3	3	3	3	3	3	3	3
6	3	3	2	2	3	2	3	2	2	2	3	3
7	3	3	3	2	3	3	3	3	3	3	2	3
8	3	2	3	3	2	3	2	3	2	3	3	2
9	2	3	2	2	3	2	3	3	3	2	3	3
10	3	2	3	3	3	3	3	3	2	2	3	3
11	2	3	3	3	3	3	3	2	2	3	3	2
12	3	2	3	3	3	2	3	2	2	3	3	3
13	2	3	2	3	2	3	3	3	3	2	2	3
14	3	3	3	2	3	2	3	3	3	2	3	3

15	3	2	3	2	2	2	3	2	2	3	3	2
16	3	2	3	3	3	3	2	3	3	2	3	2
17	2	3	3	3	3	2	3	3	2	2	3	3
18	3	3	3	2	3	3	3	3	2	3	3	3
19	3	2	3	3	3	3	3	2	3	2	3	2
20	3	2	3	2	3	3	3	3	3	2	2	3
21	3	3	2	3	3	2	3	3	3	2	3	3
22	2	3	3	2	2	3	2	3	2	2	3	3
23	3	3	3	3	3	2	3	3	3	3	3	2
24	2	2	3	3	3	3	3	3	3	3	3	3
25	3	3	3	3	3	2	3	3	2	2	3	3
26	3	2	2	2	3	2	3	2	2	2	2	3
27	3	3	3	3	3	3	3	3	3	3	3	2
28	3	2	2	3	2	2	2	3	3	2	3	3
29	2	3	3	3	3	3	3	3	3	3	3	3
30	3	2	3	2	2	3	3	2	3	2	2	3
31	3	3	3	3	3	2	3	3	3	3	3	3
32	3	2	3	3	3	3	3	3	2	3	3	2
33	3	3	3	2	2	2	3	3	3	2	3	3
34	3	3	3	3	3	2	2	3	3	2	3	3
35	3	2	2	2	3	2	3	3	2	2	3	3
36	2	3	2	3	3	3	3	2	3	3	3	2
37	3	3	3	3	3	2	3	3	3	3	3	3
38	3	2	3	2	3	3	2	2	2	2	3	3
39	2	3	2	3	3	2	3	3	3	3	3	2
40	3	3	3	2	3	3	3	2	2	2	3	3

# of 3 point	29	24	31	25	33	22	34	30	24	18	35	28
# of 2 point	11	16	9	15	7	18	6	10	16	22	5	12
# of 1 point	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	109	104	111	105	113	102	114	110	104	98	115	108
Average	2.725	2.600	2.775	2.625	2.825	2.550	2.850	2.750	2.600	2.450	2.875	2.700
Total Average	2.707							2.675				

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