

2019 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: 20 (Spring:9, Summer:3 Fall:7, Winter: 1)
- Total number of graduates: 53 ,
- Total number of enrollment: 122 (1st: 58 2nd: 64)
- Sample: more than 8 (Necessary sample: 15% of graduates = 7.95)
- Assessment courses

Learning Goal 1	L11	MIM501 Research Methods for IT Management
	L12	MIM501 Research Methods for IT Management
Learning Goal 2	L21	MIM511 Technology-based Business Transformation
	L22	MIM511 Technology-based Business Transformation
Learning Goal 3	L31	MIM511 Technology-based Business Transformation
	L32	MIM511 Technology-based Business Transformation
Learning Goal 4	L41	MIM501 Research Methods for IT Management
	L42	MIM501 Research Methods for IT Management

Overview of Assessment

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

Information Management in MS (IMMS): Assessment Learning Goal 1		
Learning Goal 1 Professional Communication: Our graduates will be professional effective communicators.		
Learning Objective	Sample	Methods
L11) Our students will deliver effective presentation accompanied with proper IT management.	Students enrolled in MIM501 (N=21)*	Course-embedded presentation evaluation by faculty
L12) Our student will create well-written professional papers on a research topic.	Students enrolled in MIM501 (N=21)*	Dissertation evaluation
Findings		
<ul style="list-style-type: none"> - Average score for L11 and L12 are 2.62 and 2.64. - Both L11 and L12 meet expectations successfully. - The achievement in creating professional papers (L12) is higher than that in presentation delivery (L11). - The ratio of students exceeded expectation (scored 3) for L11 and L12 is 14% and 24% respectively. - Students meet expectations for all of the traits within this learning goal. <p>* Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)</p>		

Information Management in MS (IMMS): Assessment Learning Goal 2		
Learning Goal 2 Strategic Thinking & Value Innovation: Our graduates will be able to strategically analyze IT management problems and innovatively generate value through studying information technology.		
Learning Objective	Sample	Methods
L21) Our student will use appropriate analytical techniques to solve IT management problems and will demonstrate the ability of sound business research.	Students enrolled in MIM511 (N=20)*	Course-embedded test evaluation by faculty
L22) Our students will study emerging information technology.	Students enrolled in MIM511 (N=20)*	Course-embedded assignment evaluation by faculty
Findings		
<ul style="list-style-type: none"> - The average scores for L21 and L22 are 2.01 and 2.04. - Both L21 and L22 meet expectations successfully. - The achievement in studying emerging information technology (L22) is higher than that in using appropriate analytical techniques (L21). - The ratio of students meet expectations (scored over 2) for L21 and L22 is 35% and 45% respectively. - For several traits (Trait 1, 3, 5, 6 for L21 and Trait 2 for L22), students hardly meet 		

expectations on average. We thus have to improve curriculum in a way that students can well-achieve such traits.

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

Information Management in MS (IMMS): Assessment Learning Goal 3		
Learning Goal 3 Domain expertise in IT Management: Our graduates will develop professional knowledge and exhibit professional competencies in IT management.		
Learning Objective	Sample	Methods
L31) Our students will build IT management specific knowledge and understand the key issues.	Students enrolled in MIM511 (N=20)*	Course-embedded assignment evaluation by faculty
L32) Our students will apply domain expertise to the business problems in the IT management.	Students enrolled in MIM511 (N=20)*	Course-embedded assignment evaluation by faculty
Findings		
<ul style="list-style-type: none"> - The average scores for L31 and L32 are 2.13 and 2.05. - Both L21 and L22 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 exceeds expectations (scored over 3) for both L31 and L32 is 5%. - For several traits (Trait 1 for L31 and L32), students hardly meet expectations on average. We thus have to improve curriculum in a way that students can well-achieve such traits. 		
* Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)		

Information Management in MS (IMMS): Assessment Learning Goal 4		
Learning Goal 4 Analytical and Creative Thinking: Our graduates will be capable researchers.		
Learning Objective	Sample	Methods
L41) Our student will identify and diagnose management/research problems.	Students enrolled in MIM501 (N=21)*	Course-embedded assignment evaluation by faculty
L42) Our students will engage in management research and present the findings of such research effectively.	Students enrolled in MIM501 (N=21)*	Dissertation evaluation
Findings		
<ul style="list-style-type: none"> - The average scores for L41 and L42 are both 2.69. - This implies that students have similar ability to identify and diagnose management/research problems and engage in management research and effectively present the findings of such research. - Both L41 and L42 meet expectations successfully. - The ratio of students exceed expectations (scored 3) for L41 and L42 is 10% and 		

19% respectively.

- Students meet expectations for all of the traits within this learning goal.

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

Data Analysis and Results

Assessment Learning Goal 1(L1): MIM501 Research Methods for IT Management							
Learning Goal	L1: Professional Communication : Our graduates will be professional effective communicators.						
	L11: Our students will deliver effective presentation accompanied with proper IT management.						
Traits	T1. Organization	T2. Quality of slides	T3. Voice Quality and pace	T4. Mannerisms	T5. Professionalism	T6. Use of media/rapport with audience	T7. Ability to answer question
Students	21	21	21	21	21	21	21
1	3	3	2	3	3	2	3
2	3	3	3	3	3	3	3
3	2	2	2	2	2	2	2
4	2	2	2	2	3	3	3
5	3	3	3	3	3	3	3
6	2	2	2	2	2	2	2
7	2	3	3	3	3	2	3
8	2	2	2	2	3	3	2
9	2	2	2	2	3	3	2
10	2	3	3	3	3	2	2
11	2	3	3	3	3	2	2
12	3	3	3	3	3	2	2
13	3	3	3	3	3	2	2
14	3	3	3	3	3	3	3
15	2	3	3	3	3	2	2
16	2	3	3	3	3	3	3
17	2	3	3	3	3	3	2
18	2	3	3	3	3	3	2
19	2	3	3	3	3	3	2
20	2	3	3	3	3	3	2
21	2	3	3	3	3	3	2
# of 3 point	6	16	15	16	19	12	7
# of 2 point	15	5	6	5	2	9	14
# of 1 point	0	0	0	0	0	0	0
Total Score	48	58	57	58	61	54	49
Average	2.29	2.76	2.71	2.76	2.90	2.57	2.33
Total Average	2.62						

Assessment Learning Goal 1(L1): MIM501 Research Methods for IT Management						
Learning Goal	L12: Our student will create well-written professional papers on a research topic.					
Traits	T1. Logic and organization	T2. Language	T3. Spelling and grammar	T4. Development of ideas	T5. Purpose and audience	T6. Format
Students	21	21	21	21	21	21
1	3	3	3	3	2	3
2	3	3	3	3	3	3
3	2	2	3	2	2	2
4	3	2	2	2	2	2
5	3	3	3	3	3	3
6	2	3	3	2	2	3
7	3	3	3	3	3	3
8	3	3	3	3	3	3
9	3	3	3	3	3	3
10	3	3	3	3	2	3
11	2	3	3	2	2	2
12	3	3	3	3	2	2
13	3	3	3	3	2	2
14	3	3	3	3	2	3
15	2	3	3	3	2	3
16	2	3	3	3	2	3
17	2	3	3	2	2	3
18	2	3	3	2	3	3
19	2	3	3	2	2	2
20	2	3	3	2	2	2
21	2	3	3	2	2	2
# of 3 point	11	19	20	12	6	13
# of 2 point	10	2	1	9	15	8
# of 1 point	0	0	0	0	0	0
Total Score	53	61	62	54	48	55
Average	2.52	2.90	2.95	2.57	2.29	2.62
Total Average	2.64					

Assessment Learning Goal 2(L2): MIM511 Technology-based Business Transformation												
Learning Goal	L2: Strategic Thinking & Value Innovation: Our graduates will be able to strategically analyze IT management problems and innovatively generate value through studying information technology.											
	L21: Our student will use appropriate analytical techniques to solve IT management problems and will demonstrate the ability of sound business research.							L22: Our students will study 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	20	20	20	20	20	20	20	20	20	20	20	20
1	2	3	3	2	2	3	3	3	3	2	2	2
2	3	3	2	3	2	2	3	2	2	3	3	2
3	1	2	1	2	2	2	2	1	1	2	2	2
4	2	2	1	2	2	2	2	1	2	2	2	3
5	1	2	1	2	2	2	2	2	2	1	1	2
6	2	3	2	3	2	2	3	2	2	2	3	3
7	3	3	2	3	3	3	3	2	3	3	2	3
8	1	2	1	2	2	1	2	3	2	2	2	2
9	2	2	1	3	1	2	2	2	2	2	3	3
10	3	3	3	2	2	2	1	2	3	2	1	2
11	1	2	2	2	1	2	1	1	2	1	2	2
12	2	2	2	3	3	3	3	2	2	3	3	2
13	1	2	1	2	2	2	2	2	1	2	2	3
14	3	2	2	2	1	1	2	3	2	2	1	2
15	2	2	1	2	2	1	2	1	2	2	1	1
16	1	1	2	2	2	1	2	2	1	2	2	2
17	1	2	1	2	1	2	1	2	1	1	1	2
18	2	3	3	2	3	2	2	3	2	3	3	3
19	2	2	1	1	2	2	1	2	2	1	2	1
20	3	3	2	3	2	2	2	2	2	2	2	3
# of 3 point	5	7	3	6	3	3	5	4	3	4	5	7
# of 2 point	8	12	8	13	13	13	11	12	13	12	10	11
# of 1 point	7	1	9	1	4	4	4	4	4	4	5	2
Total Score	38	46	34	45	39	39	41	40	39	40	40	45
Average	1.90	2.30	1.70	2.25	1.95	1.95	2.05	2.00	1.95	2.00	2.00	2.25
Total Average	2.01							2.04				

Assessment Learning Goal 3(L3): MIM511 Technology-based Business Transformation				
Learning Goal	L3: Domain expertise in IT Management: Our graduates will develop professional knowledge and exhibit professional competencies in IT management.			
	L31: Our students will build IT management specific knowledge and understand the key issues.		L32: Our students will apply 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	20	20	20	20
1	2	3	2	3
2	2	3	3	2
3	1	2	2	2
4	2	2	2	2
5	1	2	1	2
6	3	2	2	3
7	2	3	3	3
8	2	3	1	3
9	3	3	2	2
10	3	2	1	2
11	2	2	1	2
12	2	3	3	2
13	2	1	1	2
14	2	2	2	2
15	1	2	1	2
16	1	2	2	2
17	1	2	2	2
18	2	2	2	1
19	2	3	2	3
20	2	3	3	2
# of 3 points	3	8	4	5
# of 2 point	12	11	10	14
# of 1 point	5	1	6	1
Total Score	38	47	38	44
Average	1.90	2.35	1.90	2.20
Total Average	2.13		2.05	

Assessment Learning Goal 4(L4): MIM501 Research Methods for IT Management							
Learning Goal	L4: Analytical and Creative Thinking: Our graduates will be capable researchers.						
	L41: Our student will identify and diagnose management/research problems.						
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 responsible solutions
Students	21	21	21	21	21	21	21
1	3	3	3	3	3	2	3
2	3	3	3	3	3	3	3
3	2	2	3	3	3	3	3
4	3	2	3	3	3	3	3
5	3	2	2	3	3	2	3
6	3	3	2	3	3	2	3
7	3	3	3	3	3	2	3
8	3	3	2	3	2	2	3
9	2	3	2	2	2	2	3
10	3	3	2	3	3	2	3
11	3	3	3	3	3	2	3
12	2	3	2	2	3	2	3
13	2	3	2	3	3	2	3
14	3	3	3	3	3	3	3
15	2	3	2	3	2	2	3
16	2	2	2	3	2	2	3
17	3	2	3	3	3	2	3
18	3	3	3	3	3	2	3
19	3	3	3	3	3	2	3
20	3	3	3	3	3	2	3
21	2	2	2	3	3	2	3
# of 3 point	14	15	11	19	17	4	21
# of 2 point	7	6	10	2	4	17	0
# of 1 point	0	0	0	0	0	0	0
Total Score	56	57	53	61	59	46	63
Average	2.67	2.71	2.52	2.90	2.81	2.19	3.00
Total Average	2.69						

Assessment Learning Goal 4(L4): MIM501 Research Methods for IT Management					
Learning Goal	L42: Our students will engage in management research and present the findings of such research effectively.				
	T1. Preparation: “fact finding”	T2. Preparation: “problem/objective finding”	T3. Incubation: “idea finding”	T4. Illumination: “solution finding”	T5. Verification: “acceptance finding” (idea is proven)
Students	21	21	21	21	21
1	3	3	3	3	2
2	3	3	3	3	3
3	3	3	3	2	2
4	3	3	3	3	2
5	3	3	3	2	2
6	3	3	3	3	2
7	3	3	3	3	2
8	3	3	3	3	2
9	3	2	3	2	2
10	3	3	3	3	3
11	3	3	3	3	3
12	3	3	2	2	1
13	3	3	3	2	2
14	3	3	3	3	3
15	3	2	3	2	2
16	3	2	3	2	2
17	3	3	3	2	2
18	3	3	3	3	2
19	3	3	3	3	2
20	3	3	3	3	2
21	3	2	2	2	2
# of 3 point	21	17	19	12	4
# of 2 point	0	4	2	9	16
# of 1 point	0	0	0	0	1
Total Score	63	59	61	54	45
Average	3.00	2.81	2.90	2.57	2.14
Total Average	2.69				