2020 AOL Report

Techno-MBA Program

The Techno-MBA Program (TMBA) prepares students to be competitive professionals in a global environment by helping them to build distinctive capabilities and leadership skills. Students undergo a carefully structured program to improve their knowledge of organizations, management, strategic thinking, business ethics, and marketing skills. The program is ideal for those pursuing a career as a global business leader.

Overall Review

The Techno-MBA (TMBA) program has a vision which is 'Creator of technology-based business leaders.' According to this vision, the TMBA program educates managers in both managerial principles and technological issues so that they can better deal with the future management environment. Based on this vision, we established five learning goals for this program; communication, leadership and teamwork, global perspective, ethically and socially conscious reasoning, and strategic and analytical thinking. To assess the accomplishment of each learning goal, we utilize course-embedded assignment evaluation by faculty.

All assessment methods suggest that TMBA program significantly meets the expectation in terms of Assurance of Learning (AOL). Overall, the students of the TMBA program fairly meet expectations. L1, L2, L3, L4, and L5 have the average scores of 2.87, 2.42, 2.91, 2.90, and 2.86 respectively. All the average scores of each learning objectives exceeded 2 (i.e., 'Meets Expectation'). The lowest scored trait is L22, but it exceeded 2, so we can conclude that TMBA program is fully qualified to be an AACSB member.

- Total number of courses: 52 (Spring: 22, Summer: 4, Fall: 24, Winter: 2)

- Total number of graduates: 34

- Total number of enrollments: 73 (1st: 39 2nd: 34)

- Sample: more than 6 (Necessary sample: 15% of graduates = 5.1)

- Assessment courses

Learning Goal 1	L11	MGT627 Entrepreneurship and the Entrepreneur
	L12	MGT627 Entrepreneurship and the Entrepreneur
Learning Goal 2	L21	MGT561 Corporate Financial Policy
	L22	MGT561 Corporate Financial Policy
Learning Goal 3	L31	MGT627 Entrepreneurship and the Entrepreneur
	L32	MGT627 Entrepreneurship and the Entrepreneur
Learning Goal 4	L41	MGT511 Strategic Management
	L42	MGT511 Strategic Management
Learning Goal 5	L51	MGT511 Strategic Management
	L52	MGT511 Strategic Management
	L53	MGT511 Strategic Management

Overview of Assessment

Techno-MBA Program (TMBA): Assessment Learning Goal 1		
Learning Goal 1) Communication: our graduates will be effective communicators		
Learning Objective	**Sample**	**Methods**
L11) Our student will produce professional business documents	Students enrolled in MGT627 (N=24)*	Course-embedded assignment evaluation by faculty
L12) Our students will deliver effective presentation accompanied with proper media technology	Students enrolled in MGT627 (N=24)*	Course-embedded assignment evaluation by faculty
Findings		

- The average scores for L11 and L12 are 2.85 and 2.88
  * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectations)
- The average score exceeded level 2 performance (Meet Expectations) using the course embedded assignment and survey, all traits of L11 and L12 in the MGT627 course.
- All students in MGT627 well produced professional business documents and well delivered effective presentations accompanied with proper media technology by meeting expectations for all traits of each learning objectives, L11 and L12.
- Only small portion of students exceeded expectation (25% in L11 and 37.5% in L12) to being effective communicators, but all students exceeded expectation having ability to answer questions and delivering it accompanied with appropriate media technology.

Techno-MBA Program (TMBA): Assessment Learning Goal 2		
Learning Goal 2) Leadership and teamwork: Our graduates will use team building and high-performance management behaviors to lead a team task successfully		
Learning Objective	**Sample**	**Methods**
L21) Our students will have high-performance leadership skill	Students enrolled in MGT561 (N=24)*	Course-embedded assignment evaluation by faculty
L12) Our students will know how to build a team successfully	Students enrolled in MGT561 (N=24)*	Course-embedded assignment evaluation by faculty
Findings		

- The average scores for L21 and L22 are 2.46 and 2.38.
  * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectations)
- The average score exceeded level 2 performance (Meet Expectations) using the course embedded survey, L21 and L22 in the MGT561 course.
- However, only 16.7% (4/24) of students in MGT561 show that they have high level of leadership skill (L21) and only 25% (6/24) of students understand how to build a team successfully (L22) above expectations for all of the traits of each learning objectives.
- 4.2% (1/24) of students have difficulty in both having leadership skill (L21) and learning team-building skills (L22).
- In conclusion, students meet expectations on team building, team managing, and task leading for high-performance, but the performance of learning goal 2 was lower than the any other learning goals.

Techno-MBA Program (TMBA): Assessment Learning Goal 3		
Learning Goal 3) Global Perspective: Our graduates will have a global perspective		
Learning Objective	**Sample**	**Methods**
L31) Our student will define global business issues and relate these to emerging business opportunities	Students enrolled in MGT627 (N=24)*	Course-embedded assignment evaluation by faculty
L32) Our students will have command of business English or other language of major global market	Students enrolled in MGT627 (N=24)*	Course-embedded assignment evaluation by faculty
Findings		
- The average scores for L31 and L32 are 2.90 and 2.92 * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectations) - About 58.3% of students (14 among 24) exceed expectation for the all traits of L31, and 75% of students (18 among 24) for the all traits of L32. - All of the students (100%) in the course meet expectation for all traits of L31 and L32 (No points lower than 2 for all traits in L31 and L32) 95.8% (23/24) of students exceed expectation and other 4.2% (1/24) of students meet expectation in defining themselves global business issues and relate them to emerging business opportunities (Trait 4 for L31). - The level of students' performance and understanding on having a global perspective was significantly higher than the other learning goals.		

Techno-MBA Program (TMBA): Assessment Learning Goal 4		
Learning Goal 4) Ethically & Socially Conscious Reasoning: Our graduates will understand the gravity of ethical behavior and corporate social responsibility		
Learning Objective	**Sample**	**Methods**
L41) Our student will identify ethical and social dilemma and be able to recognize and evaluate alternative courses of action	Students enrolled in MGT511 (N=28)*	Course-embedded assignment evaluation by faculty
L42) Our students will know the professional code of conduct within their discipline	Students enrolled in MGT511 (N=28)*	Course-embedded assignment evaluation by faculty
Findings		
- The average scores for L41 and L42 are 2.89 and 2.88 * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectations) - The average score exceeded level 2 performance (Meet Expectations) using the course embedded assignment evaluation by faculty, for L41 and L42 in MGT511 course. - All TMBA students in MGT511 exceeded expectation to identify ethical and social dilemmas (T1 in L41) and consider stakeholders (T2 in L41). - Also, all of students in MGT511 achieve level 3 performance (Exceed Expectations) in knowing the professional code of conduct within their discipline (T1 in L42) - More than 80% of students exceeded expectation in ethically and socially conscious reasoning (Both 82.1% of students in L41 and L42) - In conclusion, most of TMBA students understand the gravity of ethical behavior and corporate social responsibility.		

Techno-MBA Program (TMBA): Assessment Learning Goal 5		
Learning Goal 5) Strategic and Analytical Thinking: Our graduates will be able to strategically and cross disciplinarily analyze business cases and to use appropriate analytical tools in solving business problems.		
Learning Objective	**Sample**	**Methods**
L51) Our student will be able to strategically analyze business cases and will demonstrate the ability of sound business judgment	Students enrolled in MGT511 (N=28)*	Course-embedded assignment evaluation by faculty
L52) Our students will synthesize different discipline areas.	Students enrolled in MGT511 (N=28)*	Course-embedded assignment evaluation by faculty
L53) Our student will use appropriate analytical technique to analyze data and solve business problems.	Students enrolled in MGT511 (N=28)*	Course-embedded assignment evaluation by faculty
Findings		
- The average scores for L51, L52, and L53 are 2.89, 2.89, and 2.78 * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectations) - The average score exceeded level 2 performance (Meet Expectations) using the course embedded assignment evaluation by faculty, for L51, L52, and L53 in MGT511 course. - More than 80% of TMBA students in MGT511 were able to strategically (89.3% for L51) and cross-disciplinarily (89.3% for L52) above expectation for all of the traits, and nearly half of students analyzed complex business cases and use appropriate analytical tools in solving business problems (46.4% for L53) above expectations for all of the traits. - No student failed to meet expectations for any of the traits in both the L51 and L52. 89.3% (25/28) of students exceed expectation and other 10.7% (3/28) of students meet expectation in synthesizing different discipline areas and using proper analytical techniques to analyze data and solve business problems successfully (Both L51 and L52). - However, 7.1% (2/28) of students in MGT511 failed to use advanced analytical techniques (T6 in L52) and operate logical analysis (T7 in L52)		

Data Analysis and Results

Learning Goal	Assessment Learning Goal 1(L1): MGT627														
	L1: Communication: our graduates will be effective communicators														
Traits	L11: Our student will produce professional business documents								L12: Our students will deliver effective presentation accompanied with proper media technology						
	T1. Clear introduction and background	T2. Discipline-related concepts and issues	T3. Internally consistent arguments	T4. Logic and organization	T5. Consistent conclusions	T6. Style and grammar	T7. Effective literature search skills	T8. Documents sources	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 questions
Students	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
1	3	2	3	3	3	3	3	2	3	3	2	3	3	3	3
2	3	3	3	3	2	3	3	3	3	3	3	2	3	3	3
3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3
4	3	3	3	3	3	3	3	3	2	3	2	3	3	3	3
5	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3
8	2	2	3	3	3	3	3	3	3	3	3	2	3	3	3
9	3	3	2	3	3	3	3	3	3	3	2	3	2	2	3
10	3	3	3	3	2	3	3	3	3	2	3	3	3	3	3
11	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3
12	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
13	2	3	3	3	2	3	3	3	3	2	3	3	3	3	3
14	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15	2	2	3	3	3	3	3	3	3	3	3	3	2	3	3
16	3	3	3	2	3	3	2	3	3	3	3	3	2	3	3
17	2	2	3	3	3	3	2	2	3	2	3	2	2	3	3
18	3	3	3	2	3	3	3	3	3	3	2	3	3	3	3
19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
20	2	3	3	3	3	2	3	3	3	3	3	3	3	3	3
21	3	3	3	2	3	3	3	3	2	3	3	3	3	3	3
22	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3
23	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3
24	3	3	2	3	3	3	3	3	3	3	2	3	3	3	3
# of 3 point	19	20	22	20	20	21	20	22	22	21	19	20	19	23	24
# of 2 point	5	4	2	4	4	3	4	2	2	3	5	4	5	1	0
# of 1 point	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	67	68	70	68	68	69	68	70	70	69	67	68	67	71	72
Average	2.792	2.833	2.917	2.833	2.833	2.875	2.833	2.917	2.917	2.875	2.792	2.833	2.792	2.958	3.000
Total Average	2.854								2.881						

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

Assessment Learning Goal 2 (L2): MGT561									
Learning Goal	**L2: Leadership and teamwork: Our graduates will use team building and high-performance management behaviors to lead a team task successfully.**								
	L21: Our students will have high-performance leadership skill					**L22: Our students will know how to build a team successfully**			
Traits	**T1. Confidence**	**T2. Balance between task and interpersonal relations**	**T3. Ability to listen**	**T4. Stays on track**	**T5. Agenda**	**T1. Commitment**	**T2. Balance between task and interpersonal relations**	**T3. Contributions**	**T4. Stays on track**
Students	**24**	**24**	**24**	**24**	**24**	**24**	**24**	**24**	**24**
1	2	2	2	2	2	2	2	2	2
2	3	3	3	3	2	3	3	2	3
3	3	3	3	3	3	3	3	3	3
4	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2
6	2	2	2	2	3	2	2	2	2
7	3	3	3	3	3	3	3	3	3
8	3	3	3	3	2	3	3	2	2
9	3	3	3	3	2	3	3	2	3
10	2	3	2	2	3	2	3	2	2
11	2	3	3	3	2	3	3	2	2
12	3	3	3	3	2	3	3	2	2
13	1	1	1	1	1	1	1	1	1
14	3	3	3	3	2	3	3	2	3
15	2	2	2	2	3	2	2	2	2
16	2	1	2	2	2	2	1	2	2
17	3	3	3	3	3	3	3	3	3
18	2	2	2	2	3	2	2	2	2
19	3	3	3	3	3	3	3	2	3
20	3	3	3	3	2	3	3	3	3
21	2	2	2	2	3	2	2	2	2
22	2	2	2	2	3	2	2	2	2
23	3	2	3	3	2	3	2	3	3
24	3	2	3	3	3	3	2	3	3
# of 3 point	**12**	**12**	**13**	**13**	**11**	**13**	**12**	**6**	**10**
# of 2 point	**11**	**10**	**10**	**10**	**12**	**10**	**10**	**17**	**13**
# of 1 point	**1**	**2**	**1**	**1**	**1**	**1**	**2**	**1**	**1**
Total Score	**59**	**58**	**60**	**60**	**58**	**60**	**58**	**53**	**57**
Average	**2.458**	**2.417**	**2.500**	**2.500**	**2.417**	**2.500**	**2.417**	**2.208**	**2.375**
Total Average	**2.458**					**2.375**			

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

Learning Goal	**Assessment Learning Goal 3(L3): MGT627**
	**L3. Global Perspective: Our graduates will have a global perspective.**
Learning Goal	\multicolumn{4}{c}{**L31:Our student will define global business issues and relate these to emerging business opportunities**}	\multicolumn{3}{c}{**L32: Our students will have command of business English or other language of major global market**}
Traits	**T1. Identification of global issues**	**T2. Analysis of global issues**	**T3. Application of analysis to global business situation**	**T4. Cultural differences**	**T1. Knowledge**	**T2. Comprehension**	**T3. Communication**
Students	**24**	**24**	**24**	**24**	**24**	**24**	**24**
1	3	3	3	3	3	3	2
2	2	3	3	3	3	3	3
3	3	3	3	3	3	3	3
4	3	3	3	3	2	3	3
5	3	3	3	3	3	3	3
6	3	3	3	3	3	3	2
7	3	3	3	3	3	3	3
8	3	2	3	3	3	3	3
9	3	3	3	3	3	3	3
10	3	3	3	3	3	3	3
11	2	3	3	3	3	3	3
12	3	2	3	3	3	3	3
13	3	3	2	3	3	2	3
14	3	3	3	3	3	3	3
15	3	3	3	3	2	3	3
16	3	3	3	2	3	3	3
17	2	3	3	3	3	3	3
18	3	3	2	3	3	2	3
19	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3
21	3	3	3	3	3	3	3
22	3	3	2	3	3	3	3
23	2	3	3	3	3	3	3
24	3	3	3	3	3	3	3
# of 3 point	**20**	**22**	**21**	**23**	**22**	**22**	**22**
# of 2 point	**4**	**2**	**3**	**1**	**2**	**2**	**2**
# of 1 point	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total Score	**68**	**70**	**69**	**71**	**70**	**70**	**70**
Average	**2.833**	**2.917**	**2.875**	**2.958**	**2.917**	**2.917**	**2.917**
Total Average	\multicolumn{4}{c}{**2.896**}	\multicolumn{3}{c}{**2.917**}

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

Learning Goal	Assessment Learning Goal 4(L4): MGT511							
	L4: Ethically & Socially Conscious Reasoning: Our graduates will understand the gravity of ethical behavior and corporate social responsibility							
	L41: Our student will identify ethical and social dilemma and be able to recognize and evaluate alternative courses of action.					L42: Our students will know the professional code of conduct within their discipline		
Traits	T1. Identifies Dilemma	T2. Stakeholders Consideration	T3. Options development	T4. Options Evaluation	T5. Decision and Action	T1. Importance	T2. Understanding	T3. Compliance
Students	28	28	28	28	28	28	28	28
1	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3
9	3	3	3	3	3	3	3	3
10	3	3	3	3	3	3	3	3
11	3	3	3	3	3	3	3	3
12	3	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3	3
14	3	3	3	3	3	3	3	3
15	3	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3	3
18	3	3	3	3	3	3	3	3
19	3	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3	3
21	3	3	3	3	3	3	3	3
22	3	3	3	3	3	3	3	3
23	3	3	3	3	3	3	3	3
24	3	3	2	2	2	3	2	2
25	3	3	2	2	2	3	2	2
26	3	3	2	2	2	3	2	2
27	3	3	2	2	2	3	2	2
28	3	3	2	2	2	3	2	2
# of 3 point	28	28	23	23	23	28	23	23
# of 2 point	0	0	5	5	5	0	5	5
# of 1 point	0	0	0	0	0	0	0	0
Total Score	84	84	79	79	79	84	79	79
Average	3.000	3.000	2.821	2.821	2.821	3.000	2.821	2.821
Total Average	2.893					2.881		

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

Assessment Learning Goal 5(L5): MGT511

L5: Strategic and Analytical Thinking: Our graduates will be able to strategically and cross disciplinarily analyze business cases and to use appropriate analytical tools in solving business problems.

Learning Goal	L51: Our student will be able to strategically analyze business cases and will demonstrate the ability of sound business judgment.							L52: Our students will synthesize different discipline areas.							L53: Our student will use appropriate analytical technique to analyze data and solve business problems						
Traits	T1. Factual knowledge	T2. Application of strategic analysis tools	T3. Application of financial analysis	T4. Identification of case problems/issues	T5. Generation of alternatives	T6. Recommendations	T7. Business judgment	T1. Consideration	T2. Management principle	T3. Discipline knowledge	T4. Intellectual sensitivity	T5. Horizontal synthesis	T6. Vertical synthesis	T1. Problem/objective finding	T2. Identification of alternative options	T3. Appropriate supporting data/evidence	T4. Quantitative evaluation	T5. Qualitative evaluation	T6. Advanced analytical techniques	T7. Logical Analysis	T8. New ideas and analysis methods
Students	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3	3	3	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	3	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
10	3	3	3	3	3	3	3	3	3	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	3	3	3	3	3	3	3	3	3
12	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
15	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
17	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
18	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
20	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
21	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
22	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	2
23	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	2
24	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	2
25	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	2
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
# of 3 point	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	22	22	22	25	13
# of 2 point	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	4	1	15
# of 1 point	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0
Total Score	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	78	78	76	79	69
Average	2.893	2.893	2.893	2.893	2.893	2.893	2.893	2.893	2.893	2.893	2.893	2.893	2.893	2.893	2.893	2.893	2.786	2.786	2.714	2.821	2.464
Total Average	2.893							2.893							2.781						

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