

AOL Report Green Business and Policy Program Assessment (2018)

Green Business and Policy Program (GBP) is designed to provide students with distinctive capabilities and leadership skills to be competitive professionals in the global environment, sustainable energy, and green related fields. Students undergo a carefully structured program to improve their knowledge on organizations, management, strategic thinking, green business ethics and marketing skills. The program is ideal for students who intend to pursue a career as a global green policy maker and green business leader.

- **Overall summary of findings**

From the results of the performance of Assurance of Learning (AOL), 5 learning goals in each class generally meet the expectations. All average scores related to each learning goal exceed level 2 performance, which implies our courses successfully meet expectations. Especially, the learning goal related to Global Communication (L41: Our students will understand global business issues and relate current issues to emerging business opportunities) got average score of 2.750, which is fairly close to perfect score. Generally, program assessment in 2018 showed that courses are meeting expectations and achieving our learning goals.

- **Total Number of Courses Offered: 24**
- **Number of Graduates: 17**
- **Total Enrollment: 1st 12 / 2nd 19**
- **Sample Size: 9~23 (20% of Graduates 17 = 3.4)**
- **Courses Assessed:**

Learning Goal 1	L11 L12	GG501_EA Green Business Theory and Practice
Learning Goal 2	L21 L22	GG510E Green Technologies and Green Industries
Learning Goal 3	L31 L32	GG572E Energy and Environment Economics
Learning Goal 4	L41 L42	GG576E Climate Change and International Collaboration
Learning Goal 5	L51 L52	GG820 Special Topics in Green Business and Policy <Financial Feasibility Assessment of Green Energy Business>

- Overview of Assessment

GBP Assessment: Learning Goal 1		
<p>Learning Goal1 (Consciousness on Energy Usage & Environmental Issues) : Our graduates will improve their ability to identify opportunities to create business value from environment and sustainability issues in green growth.</p>		
Learning Objective	Sample	Methods
<p>(L11) Our students will understand new environmental challenges that are most likely to pose both growth opportunities and threats to green business.</p> <p>(L12) Our students will identify conditions under which companies can maintain an appropriate balance between accommodating social and institutional demands for environmental issues and achieving superior performance.</p>	<p>Students enrolled in GG501_EA (N=13)</p>	<p>(R11) Term paper evaluation</p> <p>(R12) Team project performance evaluation</p>
<p>Findings</p> <ul style="list-style-type: none"> - The average score exceeded level 2 performance (Meet Expectations) for L11 and L12, using the term paper evaluation and team project performance evaluation in the GG501_EA course. - Most students in GG501_EA can identify opportunities to create business value from environment and sustainability issues in green growth. <p>* 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectation)</p>		

GBP Assessment: Learning Goal 2		
<p>Learning Goal2 (Multi-disciplinary competence) : Our graduates will synergistically understand green policy, green technology, and green business.</p>		
Learning Objective	Sample	Methods
<p>(L21) Our students will be able to strategically analyze business cases and will demonstrate the ability of sound business judgement.</p> <p>(L22) Our students will synthesize different discipline areas.</p>	<p>Students enrolled in GG510E (N=23)</p>	<p>(R21) Assessment of assignments</p> <p>(R22) Project report evaluation</p>

Findings

- The average score exceeded level 2 performance (Meet Expectations) for L21 and L22, using the assessment of assignments and project report evaluation in the GG572E course.
- Most students in GG572E course are able to strategically analyze business cases and synthesize different discipline areas.

* 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectation)

GBP Assessment: Learning Goal 3

Learning Goal3 (Problem Solving)

: Our graduates will be able to deal with multidisciplinary problems, using diverse tools and techniques.

Learning Objective	Sample	Methods
(L31) Our students will understand necessary microeconomic tools to analyze environmental problems. (L32) Our students will develop contemporary ideas to solve multidisciplinary problems.	Students enrolled in GG572E (N=9)	(R31) Course-embedded survey

Findings

- The average score exceeded level 2 performance (Meet Expectations) for L31 and L32, using the course embedded survey in the GG572E course.
- Most students in GG572E course understand necessary microeconomic tools and develop contemporary ideas to solve multidisciplinary problems.

* 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectation)

GBP Assessment: Learning Goal 4

Learning Goal4 (Global Communication)

: Our graduates will be able to effectively communicate in English for international projects.

Learning Objective	Sample	Methods
(L41) Our students will understand global business issues and relate current issues to emerging business opportunities (L42) Our students will have command of business English or other language of major global market.	Students enrolled in GG576E (N=11)	(R41) course-embedded survey

Findings

- The average score exceeded level 2 performance (Meet Expectations) for L31 and L32, using the course embedded survey in the GG576E course.
- Most GBP students understand global business issues and relate current issues in emerging business opportunities.
- OPI (Oral Proficiency Interview in English) level test is mandatory for all GBP students. The OPI level ranges from 1 to 10. Students with level 1 to 9 are required to complete two English Business Communication courses. This requirement is waived for students who obtain Level 10 in the OPI test.

* 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectation)

GBP Assessment: Learning Goal 5

Learning Goal5 (Leadership and Teamwork)

: Our graduates will have the capability and attitude of team building and lead a team task successfully.

Learning Objective	Sample	Methods
(L51) Our students will have high-performance leadership skill.	Students enrolled in GG820 (N=12)	(R51) course-embedded survey
(L52) Our students will know how to build a team successfully in competitive environment.		(R52) Leadership/team building experiential evaluation by students

Findings

- The average score exceeded level 2 performance (Meet Expectations) for L51 and L52, using the course embedded survey in the GG820 course.
- Most students in GG820 display high-performance in leadership skill and know how to build a team successfully. Most GBP students have powerful leadership and team building ability.

* 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectation)

● **Data Analysis and Results**

Assessment Learning Goal 1(L1): GG501_EA							
- Using Term Paper Evaluation and Team Project Performance Evaluation							
Student number	L1						
	L11(Trait)			L12(Trait)			
	1	2	3	1	2	3	4
1	3	3	3	3	2	3	2
2	3	3	3	3	3	3	3
3	3	3	3	3	2	3	2
4	3	2	3	2	3	3	3
5	2	2	3	3	2	2	2
6	3	3	3	2	2	3	3
7	2	2	3	3	2	3	3
8	3	3	3	3	3	3	3
9	2	3	3	2	2	3	3
10	3	2	3	2	3	3	2
11	2	2	2	2	3	3	3
12	2	3	2	2	2	3	2
13	3	3	3	3	3	3	3
3 point total	8	8	11	7	6	12	8
2 point total	5	5	2	6	7	1	5
1 point total	0	0	0	0	0	0	0
Average	2.615	2.615	2.846	2.538	2.462	2.923	2.615
Total average	2.692			2.635			
* Criteria: 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceeds Expectations)							
* Unit: score (Trait) person (point)							

Assessment Learning Goal 2(L2): GG510E										
- Using Assessment of Assignments and Project Report Evaluation										
Student number	L2									
	L21(Trait)				L22(Trait)					
	1	2	3	4	1	2	3	4	5	6
1	2	2	3	3	3	3	3	2	3	2
2	3	3	2	3	3	2	2	3	3	3
3	2	3	2	2	2	3	3	3	3	3
4	3	3	3	3	3	3	3	3	2	2
5	3	3	2	3	3	3	3	3	3	3
6	3	3	2	3	3	3	3	3	3	3
7	2	3	2	2	2	3	3	3	3	3
8	3	2	3	2	3	3	3	3	3	3
9	3	3	3	3	3	3	3	3	3	3
10	3	3	3	3	3	2	3	2	2	3
11	2	2	3	2	2	3	3	3	3	3
12	2	2	3	3	3	3	3	2	2	3
13	3	2	2	2	3	3	2	3	2	3
14	3	3	3	3	3	2	2	2	2	2
15	2	2	2	2	2	3	3	3	3	3
16	2	2	3	2	3	3	3	2	3	2
17	3	3	2	3	3	3	3	3	3	3
18	3	3	3	3	3	2	3	2	2	2
19	3	2	3	3	3	3	3	3	2	2
20	3	2	3	3	3	3	3	2	3	2
21	3	3	3	3	3	3	2	3	3	3
22	2	3	2	2	3	2	2	2	3	3
23	3	3	3	3	3	3	2	3	2	2
3 point total	15	14	14	15	19	18	17	15	15	15
2 point total	8	9	9	8	4	5	6	8	8	8
1 point total	0	0	0	0	0	0	0	0	0	0
Average	2.652	2.609	2.609	2.652	2.826	2.783	2.739	2.652	2.652	2.652
Total Avg.	2.630				2.717					
* Criteria: 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceeds Expectations)										
* Unit: score (Trait) person (point)										

Assessment Learning Goal 3(L3): GG572E				
- Using Course-embedded Survey				
Student number	L3			
	L31(Trait)		L32(Trait)	
	1	2	1	2
1	2	2	2	1
2	2	3	3	3
3	2	2	2	2
4	3	3	3	3
5	3	3	3	3
6	3	3	3	3
7	2	2	3	3
8	2	3	3	3
9	3	3	3	3
3 point total	4	6	7	7
2 point total	5	3	2	1
1 point total	0	0	0	1
Average	2.444	2.667	2.778	2.667
Total average	2.556		2.722	
* Criteria: 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceeds Expectations)				
* Unit: score (Trait) person (point)				

Assessment Learning Goal 4(L4): GG576E							
- Using Course-embedded Survey							
Student number	L4						
	L41(Trait)				L42(Trait)		
	1	2	3	4	1	2	3
1	2	2	2	2	2	2	2
2	3	3	2	3	3	3	3
3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3
5	3	2	2	3	3	2	3
6	3	3	3	3	3	2	3
7	3	2	3	3	3	3	3
8	3	3	3	3	3	3	3
9	3	3	2	2	3	2	2
10	3	3	2	3	2	2	2
11	3	3	3	3	3	3	3

3 point total	10	8	6	9	9	6	8
2 point total	1	3	5	2	2	5	3
1 point total	0	0	0	0	0	0	0
Average	2.909	2.727	2.545	2.818	2.818	2.545	2.727
Average total	2.750				2.697		
* Criteria: 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceeds Expectations)							
* Unit: score (Trait) person (point)							

Assessment Learning Goal 5(L5): GG820								
- Using Course-embedded Survey and Leadership/Team Building Experiential Evaluation by Students								
Student number	L5							
	L51(Trait)				L52(Trait)			
	1	2	3	4	1	2	3	4
1	2	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	2	2	2	2	2	2	2	2
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	2	2	2	2	2	2	2	2
9	3	2	3	3	3	3	3	3
10	2	2	3	3	3	2	3	2
11	3	3	3	3	3	3	3	3
12	2	2	2	2	2	2	2	2
3 point total	7	7	9	9	9	8	9	8
2 point total	5	5	3	3	3	4	3	4
1 point total	0	0	0	0	0	0	0	0
Average	2.583	2.583	2.750	2.750	2.750	2.667	2.750	2.667
Average total	2.667				2.708			
* Criteria: 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceeds Expectations)								
* Unit: score (Trait) person (point)								