



Public Disclosure of Student Learning

Institution	<u>University of Petroleum and Energy Studies</u>
Academic Business Unit	<u>College of Management and Economics Studies</u>
Academic Year	<u>2015-16</u>

Report of Student Learning and Achievement
for
College of Management and Economics Studies [CoMES] of UPES
For Academic Year: 2015-16

Mission of College of Management and Economics Studies [CoMES]
<p><i>Mission Statement</i></p> <p style="text-align: center;"><u>CoMES Endeavors</u></p> <ul style="list-style-type: none"> ✓ To create a pool of Industry deployable/employable professionals in Management, Economics and Policy for the Energy, Infrastructure, Transport and ITES domains through structured programs. ✓ To provide an ecosystem that promotes development of world class faculty and teaching resources who will exhibit/demonstrate in depth knowledge of above domains. ✓ To evolve as a thought leader in chosen domains by undertaking cutting edge research and advisory activities. ✓ To engage with industry practitioners and be abreast with contemporary knowledge and business practices ✓ To inculcate human values among the CoMES fraternity

Student Learning Assessment for Program –Masters in Business Administration(Logistics & Supply chain Management)
Program Intended Student Learning Outcomes (Program ISLOs)
<p>1. <i>Program Learning Outcome 1</i> Students will be able to develop and evaluate alternate managerial decisions and identify optimal solutions</p>
<p>2. <i>Program Learning Outcome 2</i> Students will demonstrate effective application capabilities of their conceptual understanding to real world business situations</p>
<p>3. <i>Program Learning Outcome 3</i> Students will be able to exhibit effective decision making skills, employing analytical and critical-thinking ability</p>
<p>4. <i>Program Learning Outcome 4</i> Students will demonstrate effective oral and written communication skills in professional context</p>

5. <i>Program Learning Outcome 5</i> Students will be able to work effectively in teams and demonstrate team building capabilities	
6. <i>Program Learning Outcome 6</i> Students will exhibit leadership and networking skills while handling business situations	
7. <i>Program Learning Outcome 7</i> Students will demonstrate sensitivity towards ethical and moral issues and have ability to address them in the course of business	
8. <i>Program Learning Outcome 8</i> Students will demonstrate employability traits in line with needs of changing dynamics of industry	
Intended Student Learning Outcomes: <i>Masters in Business Administration(Logistics & Supply chain Management)</i>	
1. <i>Intended Learning Outcome 1</i> Students will demonstrate strong conceptual knowledge in functional area of management as well as LSCM domain	
2. <i>Intended Learning Outcome 2</i> Students will demonstrate effective understanding of relevant functional areas of business and their application in LSCM domain	
3. <i>Intended Learning Outcome 3</i> Students will demonstrate analytical skills in identification and resolution of problems pertaining to LSCM and general management	
4. <i>Intended Learning Outcome 4</i> Students will exhibit ability to integrate functional areas of management with domain perspective for the purpose of planning, implementation, and control of LSCM	
5. <i>Intended Learning Outcome 5</i> Students will have global perspective towards business situations in the area of LSCM	
6. <i>Intended Learning Outcome 6</i> Students will exhibit deployable skills pertinent to LSCM sector	
Assessment Instruments for Intended Student Learning Outcomes— Direct Measures of Student Learning:	Performance Objectives (Targets/Criteria) for Direct Measures:

<p>1. <i>Direct Measure 1: Evaluation of the capstone project</i> General Program ISLOs Assessed by this Measure: <i>Outcomes List Major, Concentration, Specialization, Emphasis, Option, Track</i> ISLOs Assessed by this Measure: <i>Outcomes List</i> PLOs: 1, 2,3 and 4 ILOs: 1,2,3 and 4</p>	<p>At least 60% of the students will score 70% or higher marks pertaining to learning outcomes; PLOs: 1, 2,3 and 4 ILOs: 1,2,3 and 4 that this measure assesses¹.</p>
<p>2. <i>Direct Measure 2: Industry feedback on students performance during Internship</i> General Program ISLOs Assessed by this Measure: <i>Outcomes List Major, Concentration, Specialization, Emphasis, Option, Track</i> ISLOs Assessed by this Measure: <i>Outcomes List</i> PLOs: 1,2,3,4,5 and 6 ILOs: 1,2,3 and 4</p>	<p>At least 70% of Students will have a score of 7 or above on a 10 point scale marks pertaining to learning outcomes; PLOs: 1,2,3,4,5 and 6 & ILOs: 1,2,3 and 4 that this measure assesses.</p>
<p>Assessment Instruments for Intended Student Learning Outcomes— Indirect Measures of Student Learning:</p>	<p>Performance Objectives (Targets/Criteria) for Indirect Measures:</p>
<p>1. <i>Indirect Measure 1: Exit survey of graduating students</i> General Program ISLOs Assessed by this Measure: <i>Outcomes List Major, Concentration, Specialization, Emphasis, Option, Track</i> ISLOs Assessed by this Measure: <i>Outcomes List</i> PLOs: 1,2,3,4,5,6,7 and 8 ILOs: 1,2,3,4,5 and 6</p>	<p>At least 70% of students will indicate an agreement of 80% or above on a 10 point scale in the survey pertaining to learning outcomes; PLOs: 1,2,3,4,5,6,7 and 8 & ILOs: 1,2,3,4,5 and 6 that this measure assesses.</p>
<p>2. <i>Indirect Measure 2: Student’s self assessment of Internship experience</i> General Program ISLOs Assessed by this Measure: <i>Outcomes List Major, Concentration, Specialization, Emphasis, Option, Track</i> ISLOs Assessed by this Measure: <i>Outcomes List</i> PLOs: 1,2,4,5,6,7 and 8 ILOs: 1,3,4,5 and 6</p>	<p>At least 70% of students will indicate an agreement of 80% or above on a 10 point scale in the survey pertaining to learning outcomes; PLOs: 1,2,4,5,6,7 and 8 & ILOs: 1,3,4,5 and 6 that this measure assesses.</p>

¹ The corresponding aspect in the instrument/rubric that assesses these learning outcomes are highlighted in the Instruments/Rubrics. Wherever, some of the outcomes are assessed by more than one aspect of the instrument/rubric; it is meant that the targets will be achieved in all of the aspects that assesses the outcomes.

Assessment Results: Masters in Business Administration(Logistics & Supply chain Management)

Summary of Results from Implementing Direct Measures of Student Learning:

1. *Summary of Results for Direct Measure 1:* 60% students have scored 55% or higher marks in Capstone evaluation
2. *Summary of Results for Direct Measure 2:* 70% students have scored 7.53 or above on a 10 point scale in Industry feedback on students' performance during Internship

Summary of Results from Implementing Indirect Measures of Student Learning:

1. *Summary of Results for Indirect Measure 1:* 70% students have indicated an agreement level of 80% or above on a 10 point scale in Exit survey of graduating students
2. *Summary of Results for Indirect Measure 2:* 70% students have indicated an agreement level of 77 % or above on a 10 point scale in Student's self-assessment of Internship experience

Summary of Achievement of Intended Student Learning Outcomes:

Intended Student Learning Outcomes	Learning Assessment Measures			
	<i>Direct Measure 1</i>	<i>Direct Measure 2</i>	<i>Indirect Measure 1</i>	<i>Indirect Measure 2</i>
Program ISLOs	Performance Target Was...	Performance Target Was...	Performance Target Was...	Performance Target Was...
1. <i>Program Learning Outcome 1</i> Students will be able to develop and evaluate alternate managerial decisions and identify optimal solutions	Not Met	Met	Met	Not Met
2. <i>Program Learning Outcome 2</i> Students will demonstrate effective application capabilities of their conceptual understanding to real world business situations	Not Met	Met	Met	Met
	Not Met			

<p>3. <i>Program Learning Outcome 3</i> Students will be able to exhibit effective decision making skills, employing analytical and critical-thinking ability</p>	Not Met	Met	Met	NA
	Not Met			
	Not Met	Met		
	Not Met			
<p>4. <i>Program Learning Outcome 4</i> Students will demonstrate effective oral and written communication skills in professional context</p>	Not Met	Met	Met	Met
	Not Met			
	Not Met			
	Not Met			
	Not Met			
	Not Met			
	Not Met			
	Not Met			
	Not Met			
	Not Met			
Not Met				
<p>5. <i>Program Learning Outcome 5</i> Students will be able to work effectively in teams and demonstrate team building capabilities</p>	NA	Met	Met	Not Met
<p>6. <i>Program Learning Outcome 6</i> Students will exhibit leadership and networking skills while handling business situations</p>	NA	Met	Met	Not Met
		Met		Not Met
		Met		Not Met

		Met		
7. <i>Program Learning Outcome 7</i> Students will demonstrate sensitivity towards ethical and moral issues and have ability to address them in course of business	NA	NA	Met	Not Met
8. <i>Program Learning Outcome 8</i> Students will demonstrate employability traits in line with needs of changing dynamics of industry	NA	NA	Met	Met
			Met	
Intended Student Learning Outcomes: Masters in Business Administration(Logistics & Supply chain Management)				
1. <i>Intended Learning Outcome 1</i> Students will demonstrate strong conceptual knowledge in functional area of management as well as LSCM domain	Not Met	Met	Met	Met
2. <i>Intended Learning Outcome 2</i> Students will demonstrate effective understanding of relevant functional areas of business and their application in LSCM domain	Not Met	Met	Met	NA
	Not Met			
	Not Met	Met		
3. <i>Intended Learning Outcome 3</i> Students will demonstrate analytical skills in identification and resolution of problems pertaining to LSCM and general management	Not Met	Met	Met	Met
	Not Met			
	Not Met	Met		
4. <i>Intended Learning Outcome 4</i> Students will exhibit ability to integrate functional areas of management with domain perspective for the purpose of planning, implementation, and control of LSCM	Not Met	Met	Met	Met
	Not Met			

5. <i>Intended Learning Outcome 5</i> Students will have global perspective towards business situations in the area of LSCM	NA	NA	Met	Met
6. <i>Intended Learning Outcome 6</i> Students will exhibit deployable skills pertinent to LSCM sector	NA	NA	Met	Met
			Met	
Proposed Courses of Action for Improvement in Learning Outcomes for which Performance Targets Were Not Met:				
1. <i>Course of Action 1:</i> Synopsis for dissertation to be rechecked with RM faculty before pre-submission colloquium.				
2. <i>Course of Action 2:</i> Good quality dissertation reports of previous batches to be selected by faculty and be made available to present students for reference.				
3. <i>Course of Action 3:</i> Faculty mentor to follow up progress of students in SIP at least twice during the duration of internship.				
1. <i>Course of Action 4:</i> One day workshop will be conducted before the commencement of both Dissertation and the SIP.				

Student Learning Assessment for Program –Masters in Business Administration(Oil and Gas Management)

Program Intended Student Learning Outcomes (Program ISLOs)

1. *Program Learning Outcome 1*
Students will be able to develop and evaluate alternate managerial decisions and identify optimal solutions
2. *Program Learning Outcome 2*
Students will demonstrate effective application capabilities of their conceptual understanding to real world business situations
3. *Program Learning Outcome 3*
Students will be able to exhibit effective decision making skills, employing analytical and critical-thinking ability
4. *Program Learning Outcome 4*
Students will demonstrate effective oral and written communication skills in professional context
5. *Program Learning Outcome 5*
Students will be able to work effectively in teams and demonstrate team building capabilities
6. *Program Learning Outcome 6*
Students will exhibit leadership and networking skills while handling business situations
7. *Program Learning Outcome 7*
Students will demonstrate sensitivity towards ethical and moral issues and have ability to address them in the course of business
8. *Program Learning Outcome 8*
Students will demonstrate employability traits in line with needs of changing dynamics of industry

Intended Student Learning Outcomes: Masters in Business Administration(Oil and Gas Management)

1. *Intended Learning Outcome 1*
Students will demonstrate strong conceptual knowledge in functional area of management as well as O&G domain
2. *Intended Learning Outcome 2*
Students will demonstrate effective understanding of relevant functional areas of business and their application in O&G domain
3. *Intended Learning Outcome 3*
Students will demonstrate analytical skills in identification and resolution of problems pertaining to O&G and general management
4. *Intended Learning Outcome 4*
Students will exhibit the ability to integrate functional areas of management with domain perspective for the purpose of planning,

implementation, and control of O&G	
5. <i>Intended Learning Outcome 5</i> Students will have global perspective towards business situations in the area of O&G	
6. <i>Intended Learning Outcome 6</i> Students will exhibit deployable skills pertinent to O&G sector	
Assessment Instruments for Intended Student Learning Outcomes— Direct Measures of Student Learning:	Performance Objectives (Targets/Criteria) for Direct Measures:
1. <i>Direct Measure 1: Evaluation of the capstone project</i> General Program ISLOs Assessed by this Measure: <i>Outcomes List Major, Concentration, Specialization, Emphasis, Option, Track</i> ISLOs : Assessed by this Measure: <i>Outcomes List</i> <i>PLOs: 1, 2,3 and 4 ILOs: 1,2,3 and 4</i>	<i>At least 60% of the students will score 70% or higher marks pertaining to learning outcomes; PLOs: 1, 2,3 and 4 ILOs: 1,2,3 and 4 that this measure assesses².</i>
2. <i>Direct Measure 2: Industry feedback on students’ performance during Internship</i> General Program ISLOs Assessed by this Measure: <i>Outcomes List Major, Concentration, Specialization, Emphasis, Option, Track</i> ISLOs Assessed by this Measure: <i>Outcomes List</i> <i>PLOs: 1,2,3,4,5 and 6</i> <i>ILOs: 1,2,3 and 4</i>	<i>At least 70% of Students will have a score of 7 or above on a 10 point scale marks pertaining to learning outcomes; PLOs: 1,2,3,4,5 and 6 & ILOs: 1,2,3 and 4 that this measure assesses.</i>
Assessment Instruments for Intended Student Learning Outcomes— Indirect Measures of Student Learning:	Performance Objectives (Targets/Criteria) for Indirect Measures:
1. <i>Indirect Measure 1: Exit survey of graduating students</i> General Program ISLOs Assessed by this Measure: <i>Outcomes List Major, Concentration, Specialization, Emphasis, Option, Track</i> ISLOs Assessed by this Measure: <i>Outcomes List</i> <i>PLOs: 1,2,3,4,5,6,7 and 8</i>	<i>At least 70% of students will indicate an agreement of 80% or above on a 10 point scale in the survey pertaining to learning outcomes; PLOs: 1,2,3,4,5,6,7 and 8 & ILOs: 1, 2, 3 ,4, 5 and 6 that this measure assesses.</i>

² The corresponding aspect in the instrument/rubric that assesses these learning outcomes are highlighted in the Instruments/Rubrics. Wherever, some of the outcomes are assessed by more than one aspect of the instrument/rubric; it is meant that the targets will be achieved in all of the aspects that assesses the outcomes.

ILOs: 1,2,3,4,5 and 6	
<p>2. <i>Indirect Measure 2</i>: Student's self-assessment of Internship experience</p> <p>General Program ISLOs Assessed by this Measure: <i>Outcomes List Major, Concentration, Specialization, Emphasis, Option, Track</i> ISLOs Assessed by this Measure: <i>Outcomes List</i> PLOs: 1,2,4,5,6,7 and 8 ILOs: 1,3,4,5 and 6</p>	<p>At least 70% of students will indicate an agreement of 80% or above on a 10 point scale in the survey pertaining to learning outcomes; PLOs: 1, 2, 4,5,6,7 and 8 & ILOs: 1,3,4,5 and 6 that this measure assesses.</p>

Assessment Results: Masters in Business Administration(Oil and Gas Management)

Summary of Results from Implementing Direct Measures of Student Learning:

1. *Summary of Results for Direct Measure 1*: 60% students have scored 68% or higher marks in Capstone evaluation
2. *Summary of Results for Direct Measure 2*: 70% students have scored 7.67 or above on a 10 point scale in Industry feedback on students' performance during Internship

Summary of Results from Implementing Indirect Measures of Student Learning:

1. *Summary of Results for Indirect Measure 1*: 70% students have indicated an agreement level of 80 % or above on a 10 point scale in Exit survey of graduating students
2. *Summary of Results for Indirect Measure 2*: 70% students have indicated an agreement level of 78 % or above on a 10 point scale in Student's self-assessment of Internship experience

Summary of Achievement of Intended Student Learning Outcomes:

Intended Student Learning Outcomes	Learning Assessment Measures			
	<i>Direct Measure 1</i>	<i>Direct Measure 2</i>	<i>Indirect Measure 1</i>	<i>Indirect Measure 2</i>
Program ISLOs	Performance Target Was...	Performance Target Was...	Performance Target Was...	Performance Target Was...
1. <i>Program Learning Outcome 1</i> Students will be able to develop and evaluate	Not Met	Met	Met	Met

alternate managerial decisions and identify optimal solutions				
2. <i>Program Learning Outcome 2</i> Students will demonstrate effective application capabilities of their conceptual understanding to real world business situations	Met	Met	Met	Met
	Not Met			
3. <i>Program Learning Outcome 3</i> Students will be able to exhibit effective decision making skills, employing analytical and critical-thinking ability	Not Met	Met	Met	NA
	Tagert Met			
	Not Met	Met		
	Not Met			
4. <i>Program Learning Outcome 4</i> Students will demonstrate effective oral and written communication skills in professional context	Not Met	Met	Met	Met
	Not Met			
	Not Met			
	Not Met			
	Not Met			
	Not Met			
	Met			
	Not Met			
	Met			
	Met			
5. <i>Program Learning Outcome 5</i> Students will be able to work effectively in teams and demonstrate team building capabilities	NA	Met	Met	Met

6. <i>Program Learning Outcome 6</i> Students will exhibit leadership and networking skills while handling business situations	NA	Met	Met	Met
		Met		
		Met		Met
		Met		
7. <i>Program Learning Outcome 7</i> Students will demonstrate sensitivity towards ethical and moral issues and have ability to address them in the course of business	NA	NA	Met	Met
8. <i>Program Learning Outcome 8</i> Students will demonstrate employability traits in line with needs of changing dynamics of industry	NA	NA	Met	Met
			Met	
Intended Student Learning Outcomes: <i>Masters in Business Administration(Oil and Gas Management)</i>				
1. <i>Intended Learning Outcome 1</i> Students will demonstrate strong conceptual knowledge in functional area of management as well as O&G domain	Not Met	Met	Met	Met
2. <i>Intended Learning Outcome 2</i> Students will demonstrate effective understanding of relevant functional areas of business and their application in O&G domain	Not Met	Met	Met	NA
	Not Met			
	Met			
3. <i>Intended Learning Outcome 3</i> Students will demonstrate analytical skills in identification and resolution of problems pertaining to O&G and general management	Not Met	Met	Met	Met
	Not Met	Met		

	Not Met			
4. <i>Intended Learning Outcome 4</i> Students will exhibit ability to integrate functional areas of management with domain perspective for the purpose of planning, implementation, and control of O&G	Not Met	Met	Met	Met
	Not Met			
5. <i>Intended Learning Outcome 5</i> Students will have global perspective towards business situations in the area of O&G	NA	NA	Met	Not Met
6. <i>Intended Learning Outcome 6</i> Students will exhibit deployable skills pertinent to O&G sector	NA	NA	Met	Met
			Met	
Proposed Courses of Action for Improvement in Learning Outcomes for which Performance Targets Were Not Met:				
1. <i>Course of Action 1:</i> Workshops would be conducted to the students on areas that they lack understanding in both dissertation and the SIP				
2. <i>Course of Action 2:</i> Few well graded dissertation reports from previous batch students would be shared with present students for reference				
3. <i>Course of Action 3:</i> Students would be given a copy of the capstone evaluation rubric and the same would be explained to them				
4. <i>Course of Action 4</i> Encourage students to validate their findings during the SIP with industry experts and incorporate their suggestions if any.				