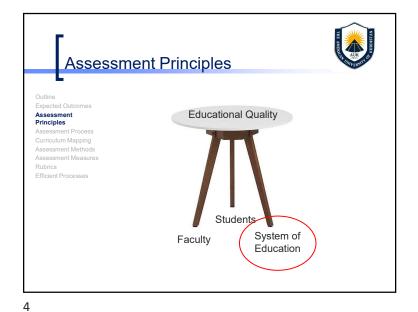
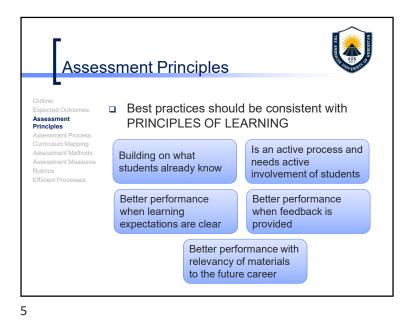
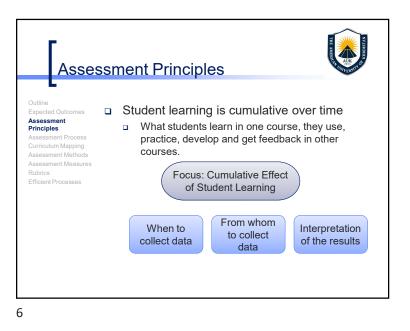


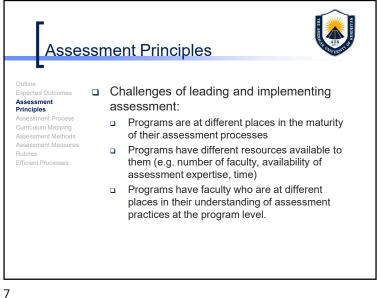
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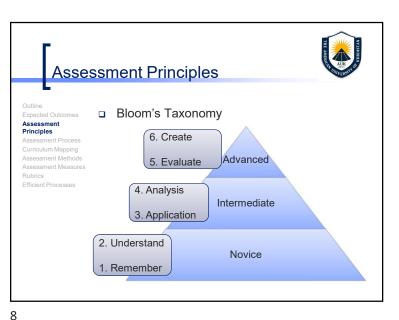
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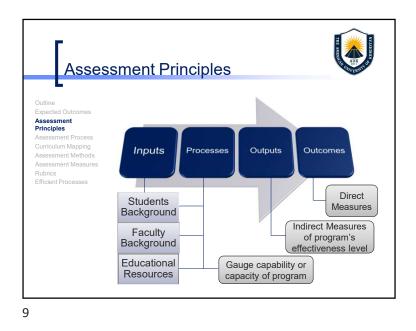


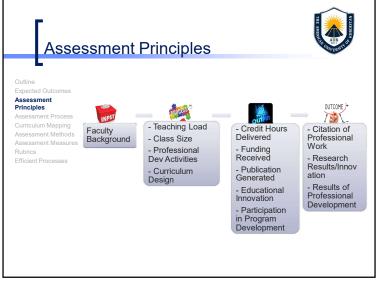


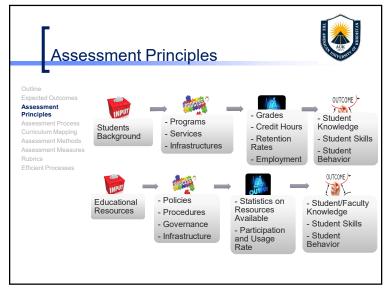


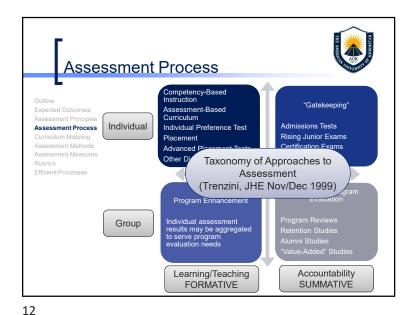


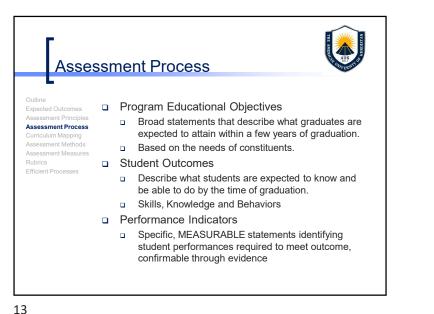


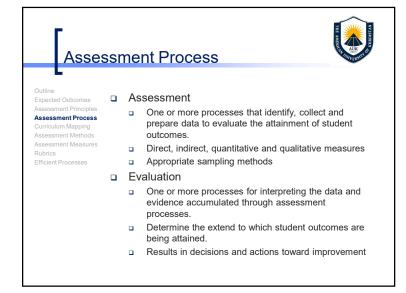


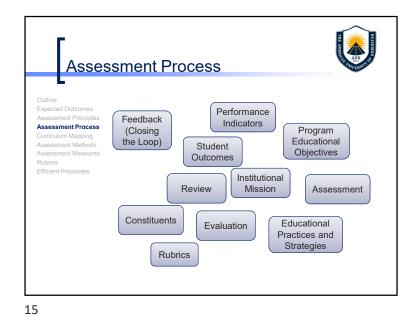


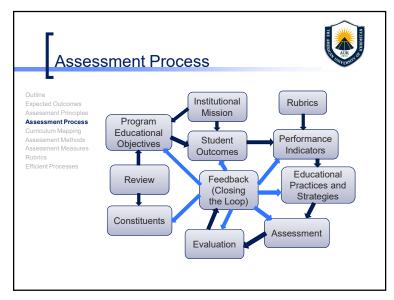


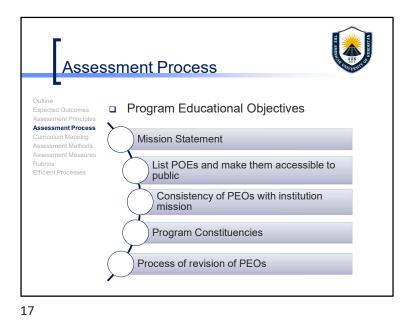


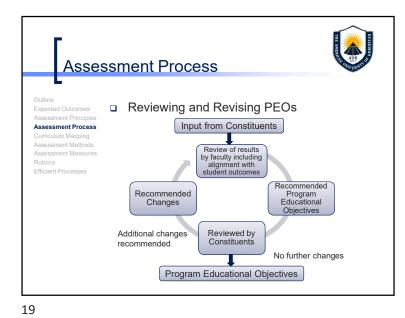


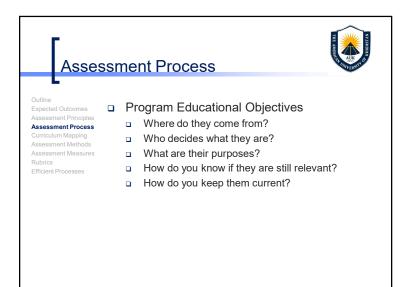


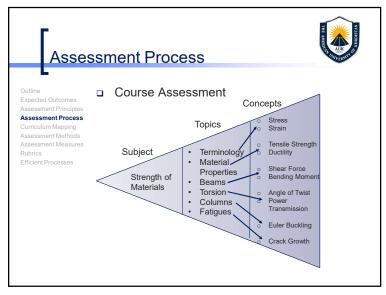


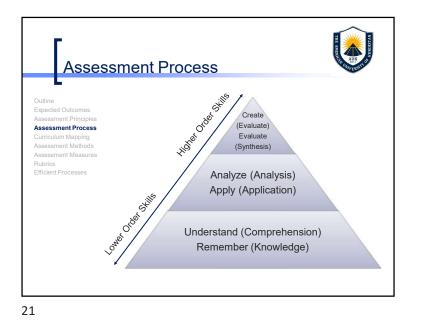


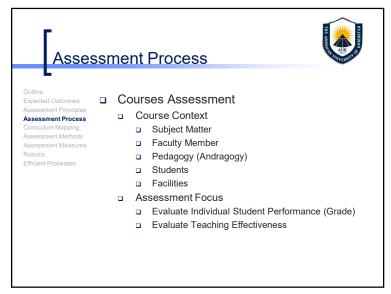


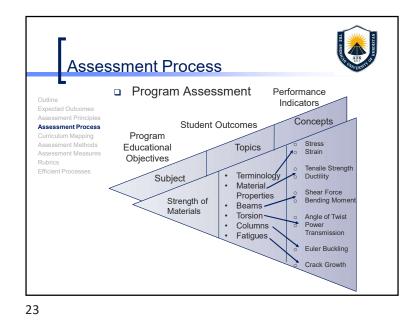


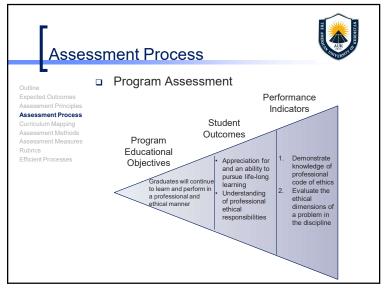




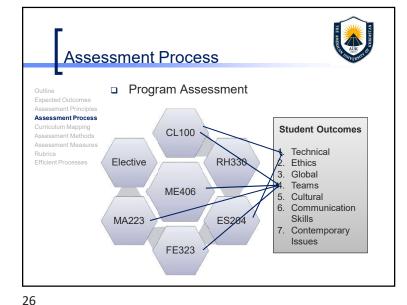


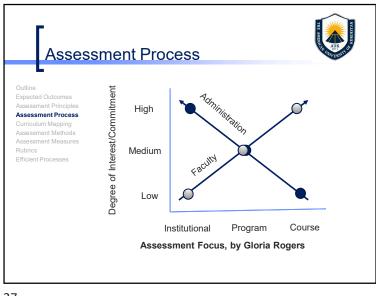


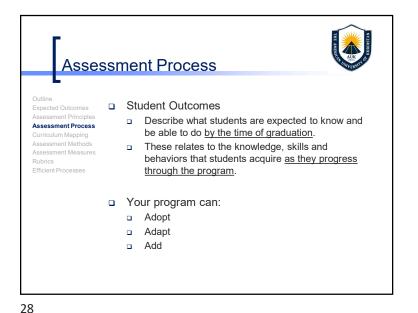


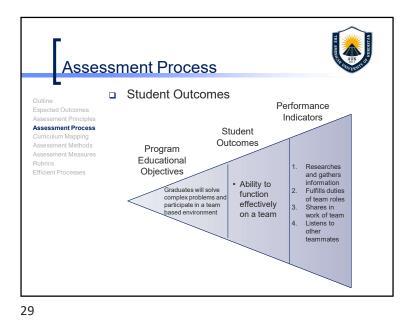


Asses	ssment Process	
outline xpected Outcomes	Course Assessment	Program Assessment
ssessment Principles	Cannot "cover" all Topics related to Subject	Cannot "cover" all Outcomes related to Program Educational Objectives
Curriculum Mapping Assessment Methods Assessment Measures	Cannot "cover" all Concepts related to each Topic	Cannot "include" all Performance Indicators related to each Outcome
Rubrics Efficient Processes	Decisions made based on context of Course and characteristics of students	Decisions made based on context of your Program and characteristics of students
	Not all Concepts are at the same performance (cognitive) level	Not all Performance Indicators are at the same expectation (cognitive) level
	Assessment data taken at the Concept level	Assessment data taken at the Performance Indicator level
	Assumptions related to performance on Topics based on performance on Concepts	Assumptions related to performance on Student Outcomes based on demonstration of Performance Indicators



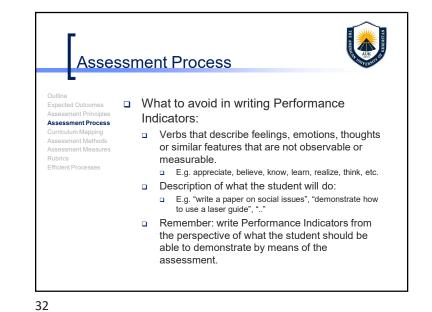


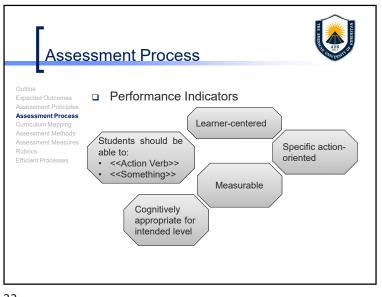




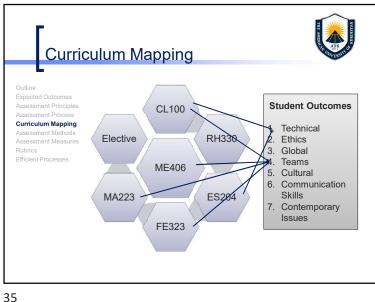
Assessment Process Developing Performance Indicators Assessment Principles Two essential parts Assessment Process Curriculum Mapping Content that is the focus of Subject instruction (e.g., steps of the Content design process, chemical reaction, scientific method) Direct students to a specific Action performance (e.g. "list", "analyze", "apply") Verb

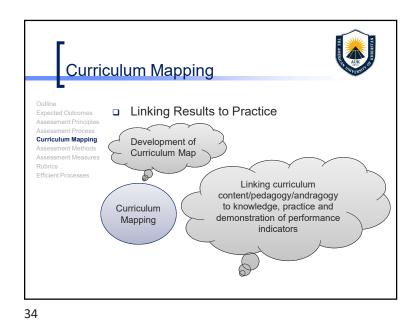


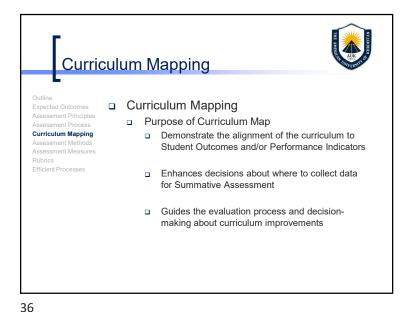


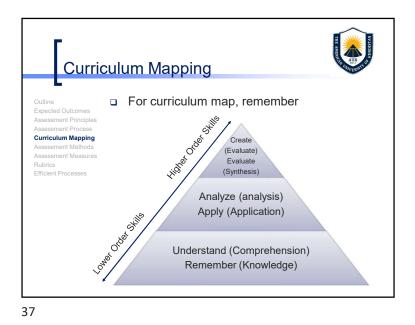


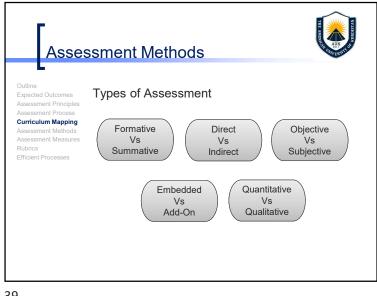


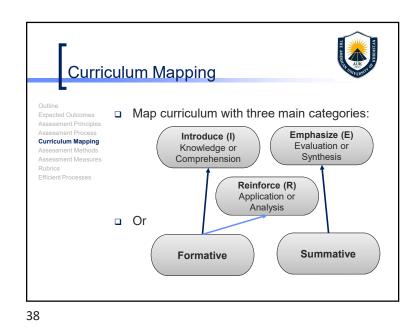


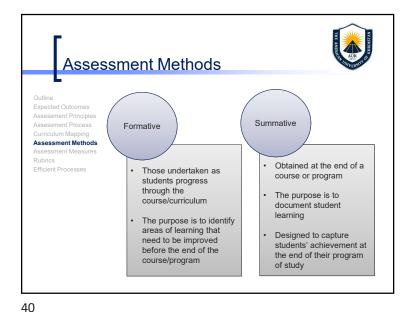


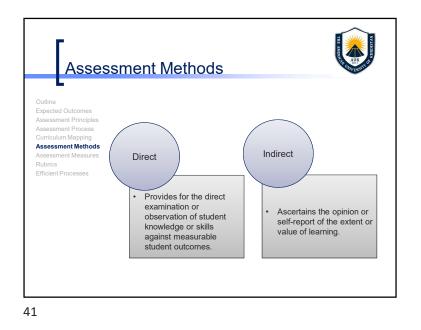


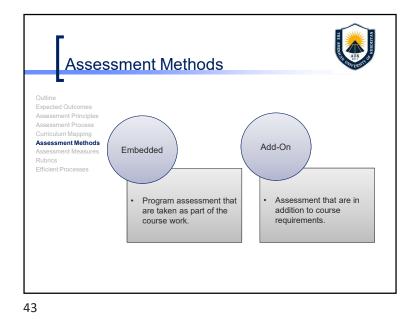


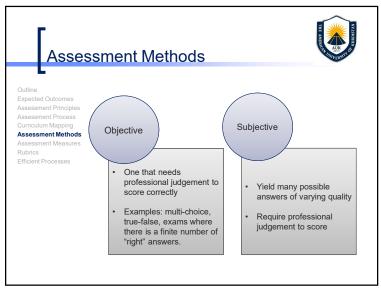


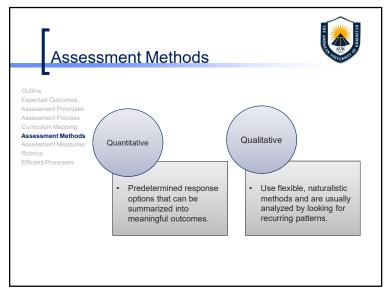


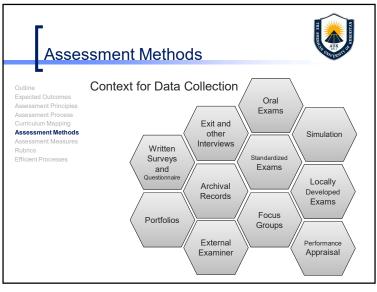


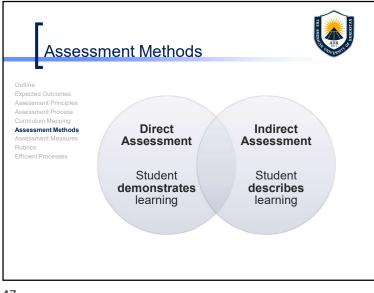


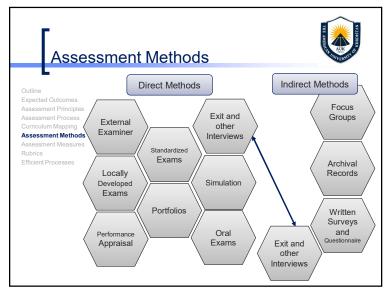


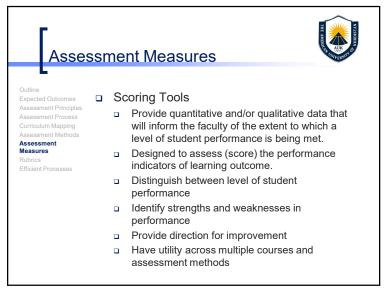


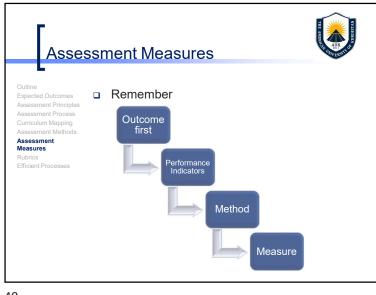


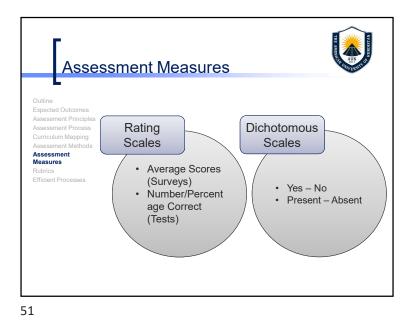


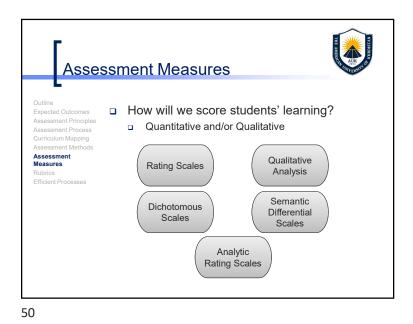












 Outline
 Expected Outcomes

 Expected Outcomes
 Semantic

 Assessment Process
 Semantic

 Curriculum Mapping
 Sessment

 Assessment Methods
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 Assessment Methods
 Semantic

 Assessment Methods
 Semantic

 Assessment Methods
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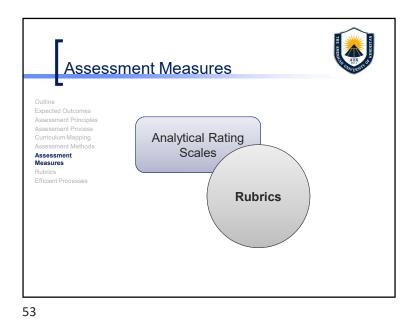
 Basessment Methods
 Assessment

 Masures
 (Sliding Bar)

 Always
 Never

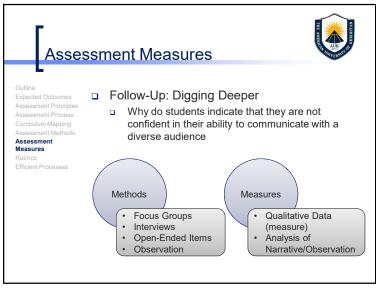
What is your opinion regarding the collaborative nature of your student team?

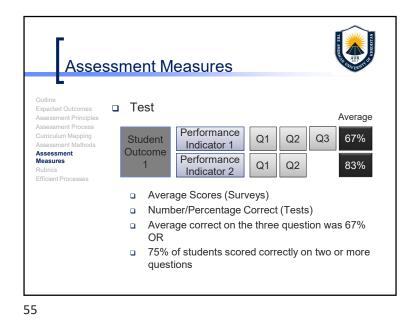
	Very	Slightly	Neither	Slightly	Very	
Effective						Ineffective
Inclusive						Exclusive
Task Oriented						Chaotic



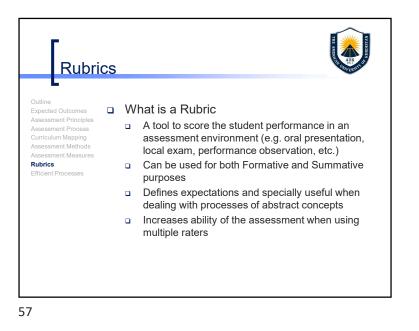
Assessment Measures Rating Scales (Likert Scale) Assessment Principles Please indicate your level of agreement with each of Assessment Process Curriculum Mapping the following statements • Stem: I am confident in my ability to: Assessment Measures Strongly Disagree (1) Strongly Agree (5) (2) Agree nor Disagree Integrate graphs and charts in technical documents to add to understanding Participate effectively on a team Communicate with a diversity of audiences

54

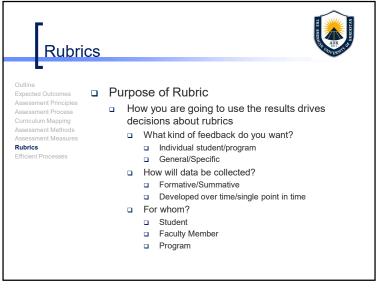


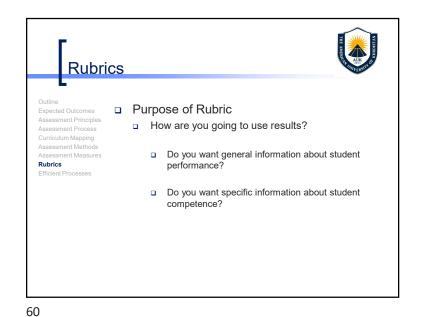


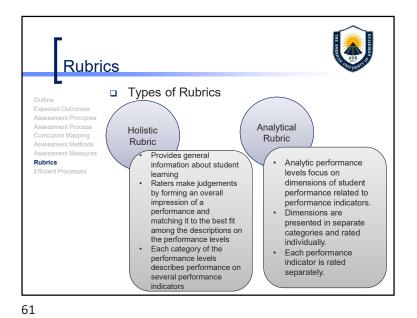
Dr. Honar Issa

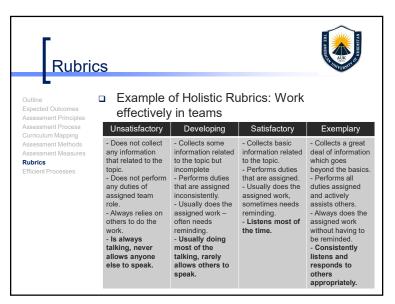


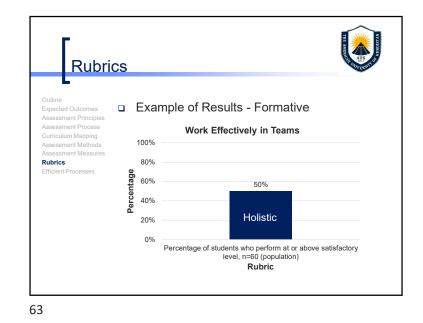
Rubrics What is a Rubric Explicitly state the expectations for student Curriculum Mapping performance. They may *lead* to a grade or be part of the grading process but they are more Assessment Measures specific, detailed, and disaggregated than a Rubrics grade. • Rubrics provide a description of each level of performance as to what is expected. • The rubric provides those who have been assessed with clear information about how well they performed and a clear indication of what they need to accomplish in the future to better their performance.

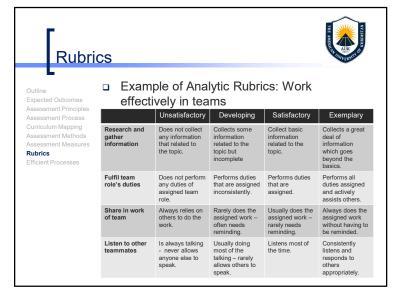


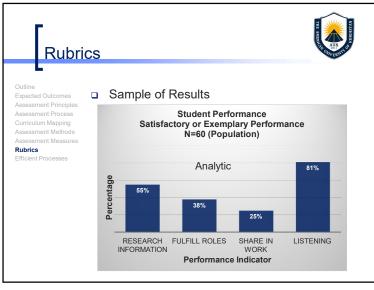


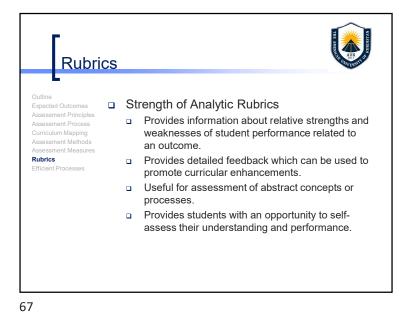


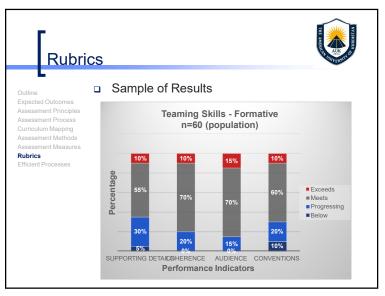


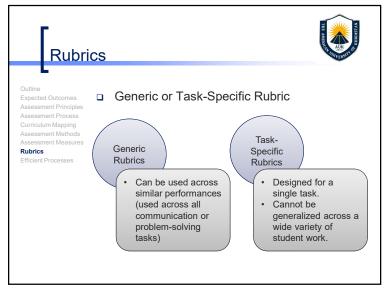


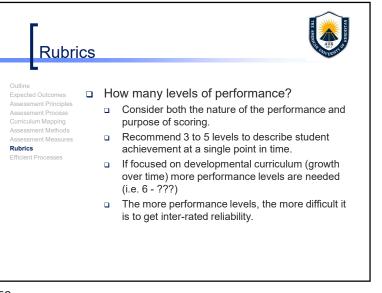


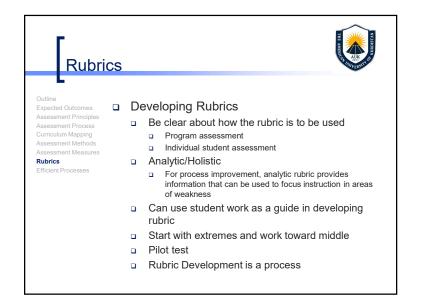




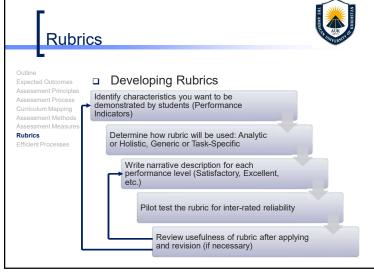


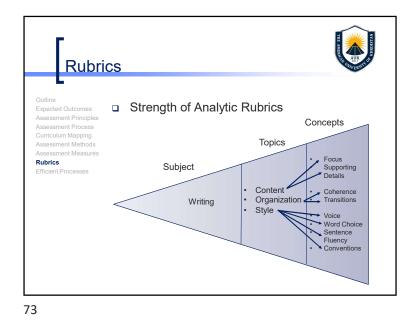


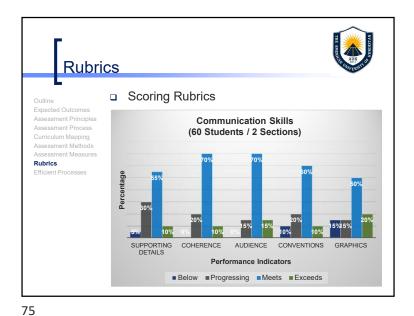




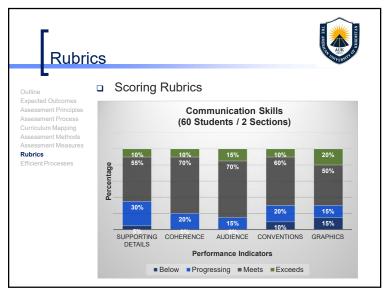
Rubric	CS				THE ANERGY IN THE ANERGY INTERVENTION AND ANERGY IN THE ANERGY INTERVE ANERGY INTER
Outline		Unsatisfactory	Developing	Satisfactory	Exemplary
Expected Outcomes Assessment Principles Assessment Process	Research and gather information	Does not collect any information that related to the topic.	Collects some information related to the topic but incomplete	Collect basic information related to the topic.	Collects a great dea of information which goes beyond the basics.
Curriculum Mapping Assessment Methods Assessment Measures	Fulfil team role's duties	Does not perform any duties of assigned team role.	Performs duties that are assigned inconsistently.	Performs duties that are assigned.	Performs all duties assigned and actively assists others.
Rubrics Efficient Processes	Share in work of team	Always relies on others to do the work.	Rarely does the assigned work – often needs reminding.	Usually does the assigned work – rarely needs reminding.	Always does the assigned work without having to be reminded.
	Listen to other teammates	Is always talking - never allows anyone else to speak.	Usually doing most of the talking – rarely allows others to speak.	Listens most of the time.	Consistently listens and responds to others appropriately.
	Student	Research and gather information	Fulfil team role's duties	Share in work of team	Listen to other teammates
	Lee Bash	Satisfactory	Developing	Exemplary	Exemplary
	Honar Issa	Satisfactory	Developing	Satisfactory	Satisfactory

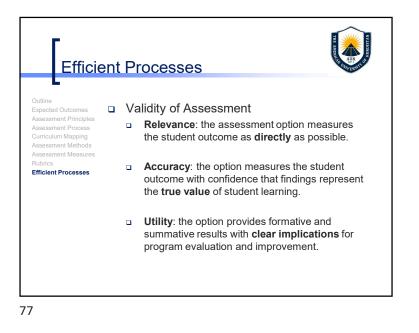


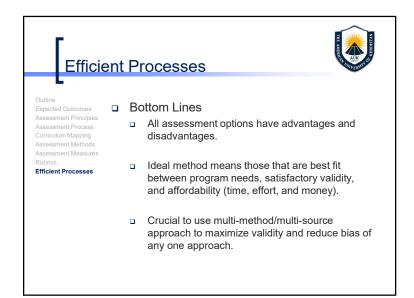


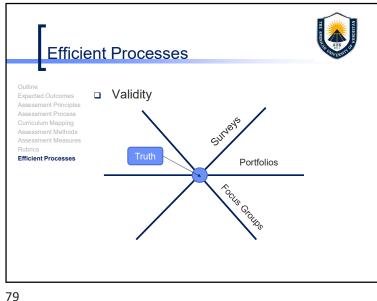


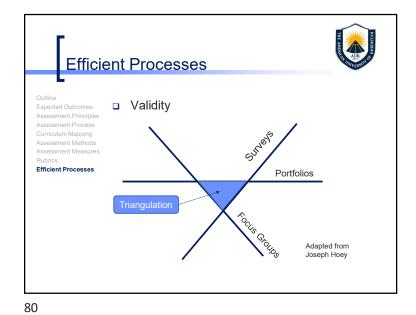
Rubrics Outline Strength of Analytic Rubrics Performance Indicators Assessment Process Student Curriculum Mapping Outcomes Program Assessment Measures Educational Rubrics Objectives Supporting Graduates will communicate effectively Effective Details 2. Coherence 3. Audience 4. Conventior 5. Graphics communication Coherence with various audiences Audience Skills in written, oral and Conventions graphical form 74

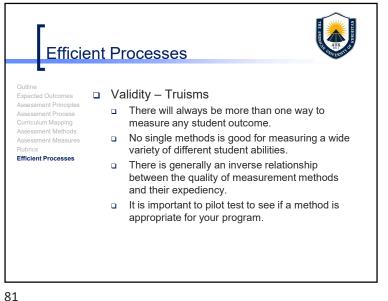


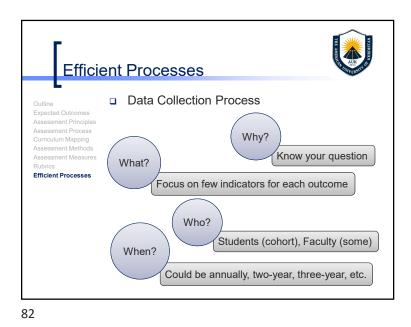


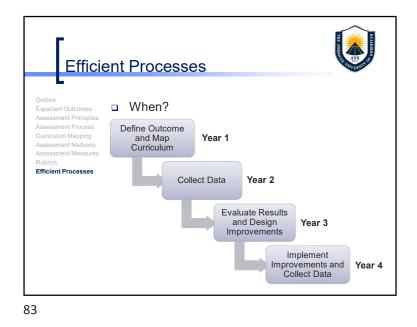




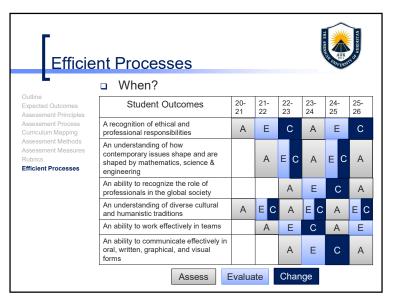






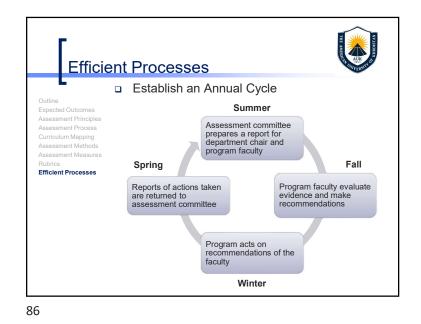


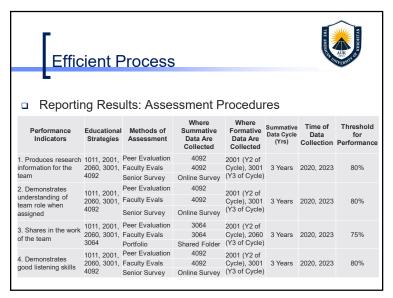
Efficie	nt Processes						A GROSTAN
Outline Expected Outcomes Assessment Principles	Student Outcomes	20- 21	21- 22	22- 23	23- 24	24- 25	25- 26
Assessment Process Curriculum Mapping	A recognition of ethical and professional responsibilities	А	E	С	А	E	С
Assessment Methods Assessment Measures Rubrics Efficient Processes	An understanding of how contemporary issues shape and are shaped by mathematics, science & engineering		A	Е	с	A	Е
	An ability to recognize the role of professionals in the global society			А	E	С	А
	An understanding of diverse cultural and humanistic traditions	А	Е	С	А	E	С
	An ability to work effectively in teams		Α	Е	С	А	Е
	An ability to communicate effectively in oral, written, graphical, and visual forms			А	Е	С	А
	Assess	Evalua	ate	Chan	ige		

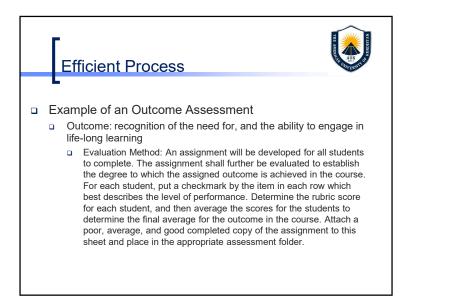


Efficient Process								NV LSUDDEN
Student Outcomes	Year of Data Collection	Eval Year	Assessment Method	Outcome Specialist (developing rubrics)	Curriculum Mapping	Rubrics & Mapping Deadline	Human & Financial Resources	Expected Outcomes
Solve problems	2021	2022	Peer Eval Standard Exams Course Grades	Faculty 1 Faculty 2 Assessment Committee	CB 104 CB 306 CB 407	Feb 28, 2020	Course Faculty Minute Taker	
Ethics and Responsibilities	2021	2022	Assignment Faculty Eval Senior Survey	Faculty 3 Faculty 4 Assessment Committee	CB 203 CB 305 CB 401	Feb 28, 2020	Course Faculty Minute Taker	
Communication	2021	2022	Peer Eval Essay Senior Survey	Faculty 5 Faculty 6 Assessment Committee	CB 102 CB 304 CB 406	Feb 28, 2020	Course Faculty Minute Taker	
Teamwork	2022	2023	Peer Eval Faculty Eval Portfolio	Faculty 1 Faculty 2 Assessment Committee	CB 103 CB 206 CB 409	Mar 31, 2020	Course Faculty Minute Taker	
Experimentation	2022	2023	Lab Eval Faculty Eval Senior Survey	Faculty 3 Faculty 4 Assessment Committee	CB 104 CB 306 CB 407	Mar 31, 2020	Course Faculty Minute Taker	
Apply new knowledge	2022	2023	Peer Eval Faculty Eval Standard Exams	Faculty 5 Faculty 6 Assessment Committee	CB 108 CB 304 CB 405	Mar 31, 2020	Course Faculty Minute Taker	









Efficient Process								
Performance Indicator	Does Not Meet Expectations (1)	Meets Expectations (3)	Exceeds Expectations (3)					
Understands the need for life-long learning	Does not recognize the needs for continued study	Describe the necessity for life-long learning	Enthusiastically embraces the need for life-long learning					
Describes the skills required for a life- long learner	Has little understanding or no skill in acquiring solutions on his/her own	Adequately describes some skills that are useful to a life-long learner	Displays a thorough understanding of many of the skills required for a life- long learner.					
Demonstrates the ability for self- directed learning	Collects limited information and unable to solve the problem	Collects sufficient information you correctly solve the problem	Collects background information and solves the problem correctly, including discussion of alternate solution					

