University Level of Attainment for Student Learning Outcomes 2018-2020

Overview

The Texas Higher Education Coordinating Board (THECB) requires institutions to assess the six core objectives "which are designed to be introduced and reinforced throughout the Core Curriculum" (LEAP Texas). The Texas Administrative Code 4.29 states that through "the Texas Core Curriculum, students will prepare for contemporary challenges by developing and demonstrating the following core objectives:

Core Objectives:

Critical Thinking
Communication
Empirical and Quantitative Skills
Teamwork
Social Responsibility
Personal Responsibility

Each core objective is broken into skills, aptitudes, or dispositions identified by UHCL faculty and labeled as Student Learning Outcomes (see attached rubrics).

Assessment

Student learning outcomes (SLO) for the six core objectives were assessed by the core faculty from 2018-2020.

The University of Houston-Clear Lake had the stated goal that 70% of students will achieve *Excellent* or *Very Good* in each of the learning outcomes.

There was only one core objective, Communication, in which all skills met the criterion of 70% *Excellent* or *Very Good*. Personal Responsibility also met the criterion for all skills, with the exception of "ethical context" which was not assessed by any of the courses during this assessment cycle. Critical Thinking had 4 of 5 skills that met the criterion with the exception of "concepts and formulas." The core objective Social Responsibility met the criterion in 3 of 5 skills, excluding "perspectives" and "new awareness." The core objective of Teamwork only met the criterion in one skill, "articulate expectations" but not in "apply content with peers," or "peer feedback" and although 12 students were assessed in each, both "benefits" and "team organizational skills" were 0% who scored *Excellent* or *Very Good*. Finally, there was only one Core Objective, Empirical and Quantitative Skills, where none of the skills met expectations. Each skill, "explanation of information," "conversion," "calculation," "judgment/conclusion," and "evidence" was below the criterion of 70%.

Learning Outcome	Skill	N	% meeting Criterion	Met / Not Met
Communication	Style and Mechanics	189	92.26	Met
	Organization	167	87.10	Met
	Context, genre,	55	85.45	Met
	purpose, needs			
	Central message	248	83.50	Met
	Support	139	79.65	Met
Personal Responsibility	Ethical behavior	112	89.29	Met
	Ethical issues	34	81.43	Met
	Consequences and	34	72.14	Met
	implications			
	Ethical awareness	106	71.7	Met
	Ethical perspectives	90	70.63	Met
	Ethical context	0	0	Not Assessed
Critical Thinking	Point of view	188	83.92	Met
	Creativity	139	82.99	Met
	Information and	521	76.07	Met
	evidence			
	Assumptions and	448	71.98	Met
	context			
	Concepts and formulas	555	58.45	Not Met
Social Responsibility	Application of	6	100	Met
	knowledge			
	Civic responsibilities	55	87.27	Met
	New perspectives	120	74.85	Met
	Articulation of beliefs	114	62.28	Not Met
	and perceptions			
	New awareness	59	37.29	Not Met

Teamwork	Articulate expectations	161	73.45	Met
	Apply content with	12	50	Not Met
	peers			
	Peer feedback	12	50	Not Met
	Team organizational	12	0	Not Met
	skills			
	Benefits	12	0	Not Met
Empirical and				
Quantitative Skills	Evidence	28	64.29	Not Met
	Conversion	307	61.94	Not Met
	Calculation	307	60.43	Not Met
	Explanation of			
	information	180	55.41	Not Met
	Judgment/Conclusion	99	49.24	Not Met

University of Houston-Clear Lake
Office of Planning and Assessment
Core Curriculum Assessment Summary Report - Spring 2018 to Fall 2020

Overall University by Core Objective, by Foundational Component Area (FCA), by Learning Outcome

Foundational Component Areas, Required SCH, Core Objectives to Assess

- 010 Communication 6 SCH CT, COM, TW, PR
- 020 Mathematics 3 SCH CT, COM, EQS
- 030 Life & Physical Sciences 6 SCH CT, COM, EQS, TW
- 040 Lang, Philosophy & Culture-3 SCH-CT, COM, SR, PR
- 050 Creative Arts 3 SCH CT, COM, TW, SR
- 060 American History 6 SCH CT, COM, SR, PR
- 070 Government/Political Science 6 SCH CT, COM, SR, PR
- 080 Social & Behavioral Sciences 3 SCH - CT, COM, EQS, SR
- 090 Component Area Option for assessment purposes, 090 coursed moved to discipline

Objective	FCA CODE	Learning Outcome	Skills	Number Assessed	Avg Of % Sampled	Excellent	Very Good	Satisfactory	Unsatisfactory	University Criteria 70% Excellent + Very Good	Met / NotMet
Critical Thinking	10	CT1	Point of view	35	20.73	37.14	45.71	14.29	2.86	82.86	Met
Critical Thinking	10	CT2	Assumptions and context	34	20.16	28.57	51.43	17.14	2.86	80.00	Met
Critical Thinking	10	CT3	Information and evidence	119	43.74	43.41	37.45	18.20	0.93	80.86	Met
Critical Thinking	10	CT4	Concepts and formulas	119	43.74	35.80	18.18	46.02	0.00	53.98	Not Met
Critical Thinking	10	CT5	Creativity	84	84.00	54.37	28.00	15.06	2.57	82.37	Met
Critical Thinking	20	CT1	Point of view	55	36.91	81.82	12.73	3.64	1.82	94.55	Met
Critical Thinking	20	CT2	Assumptions and context	151	44.12	23.99	13.62	32.71	29.68	37.61	Not Met
Critical Thinking	20	CT3	Information and evidence	176	34.92	38.76	18.75	23.19	19.29	57.51	Not Met
Critical Thinking	20	CT4	Concepts and formulas	226	37.11	24.22	23.73	25.67	26.38	47.95	Not Met
Critical Thinking	50	CT1	Point of view	72	100.00	44.44	29.17	4.17	22.22	73.61	Met
Critical Thinking	50	CT2	Assumptions and context	125	98.61	43.96	38.05	5.39	12.60	82.01	Met
Critical Thinking	50	CT3	Information and evidence	71	98.61	59.15	22.54	5.63	12.68	81.69	Met
Critical Thinking	50	CT4	Concepts and formulas	55	100.00	23.64	61.82	3.64	10.91	85.45	Met
Critical Thinking	50	CT5	Creativity	55	100.00	23.64	61.82	3.64	10.91	85.45	Met
Critical Thinking	60	CT2	Assumptions and context	118	95.95	59.48	24.45	12.67	3.39	83.94	Met
Critical Thinking	60	СТ3	Information and evidence	118	95.95	57.82	29.45	9.34	3.39	87.27	Met
Critical Thinking	60	CT4	Concepts and formulas	118	95.95	57.82	29.45	9.34	3.39	87.27	Met
Critical Thinking	80	CT1	Point of view	26	36.20	66.67	20.83	7.50	5.00	87.50	Met
Critical Thinking	80	CT2	Assumptions and context	20	40.82	50.00	25.00	15.00	10.00	75.00	Met
Critical Thinking	80	СТЗ	Information and evidence	37	34.81	31.76	41.03	13.38	13.82	72.79	Met
Critical Thinking	80	CT4	Concepts and formulas	37	34.81	31.76	35.15	10.44	22.65	66.91	Not Met
Communication	10	COM2	Central message	84	84.00	85.98	0.00	14.02	0.00	85.98	Met
Communication	10	сомз	Organization	35	20.73	54.29	31.43	14.29	0.00	85.71	Met
Communication	10	COM4	Support	119	43.74	54.83	25.24	10.69	9.24	80.07	Met
Communication	10	COM5	Style and Mechanics	119	43.74	69.09	23.64	7.27	0.00	92.73	Met
Communication	50	COM1	Context, genre, purpose, needs	55	100.00	27.27	58.18	3.64	10.91	85.45	Met
Communication	50	COM2	Central message	127	100.00	56.26	32.99	2.51	8.23	89.26	Met
Communication	50	сомз	Organization	126	99.31	61.46	24.02	3.23	11.29	85.48	Met
Communication	50	COM5	Style and Mechanics	70	97.22	62.86	24.29	5.71	7.14	87.14	Met
Communication	80	COM2	Central message	37	34.81	54.41	18.38	10.44	16.76	72.79	Met
Communication	80	сомз	Organization	6	31.58	66.67	33.33	0.00	0.00	100.00	Met
Communication	80	COM4	Support	20	40.82	40.00	35.00	15.00	10.00	75.00	Met
Empirical and Quantitative Skills	20	EQS1	Explanation of information	180	80.00	25.05	30.36	29.74	14.85	55.41	Not Met
Empirical and Quantitative Skills	20	EQS2	Conversion	307	67.65			19.39		61.94	Not Met
Empirical and Quantitative Skills	20	EQS3	Calculation	307	67.65	32.82		18.45			Not Met
Empirical and Quantitative Skills	20	EQS4	Judgment/Conclusion	99	53.23			5.17			Not Met
Empirical and Quantitative Skills	20	EQS5	Evidence	28	71.79			7.14			Not Met
		-400		20	, 1.73	12.00	21.13	,.17	20.57	01.23	1100111100

Teamwork	10	TW1	Articulate expectations	12	32.43	50.00	0.00	50.00	0.00	50.00	Not Met
Teamwork	10	TW2	Apply content with peers	12	32.43	0.00	50.00	50.00	0.00	50.00	Not Met
	10	TW3			32.43	0.00	0.00	100.00	0.00	0.00	Not Met
Teamwork			Team organizational skills	12							
Teamwork	10	TW4	Peer feedback	12	32.43	0.00	50.00	50.00	0.00	50.00	Not Met
Teamwork	10	TW5	Benefits	12	32.43	0.00	0.00	0.00	100.00	0.00	Not Met
Teamwork	50	TW1	Articulate expectations	149	100.00	70.98	14.19	4.05	10.77	85.17	Met
Social Responsibility	50	SR1	New persepctives	55	100.00	47.27	40.00	0.00	12.73	87.27	Met
Social Responsibility	50	SR2	Articulation of beliefs and perceptions	55	100.00	47.27	40.00	0.00	12.73	87.27	Met
Social Responsibility	50	SR4	Civic reponsibilities	55	100.00	47.27	40.00	0.00	12.73	87.27	Met
Social Responsibility	60	SR1	New persepctives	59	95.16	8.47	28.81	44.07	18.64	37.29	Not Met
Social Responsibility	60	SR2	Articulation of beliefs and perceptions	59	95.16	8.47	28.81	44.07	18.64	37.29	Not Met
Social Responsibility	60	SR3	New awareness	59	95.16	8.47	28.81	44.07	18.64	37.29	Not Met
Social Responsibility	80	SR1	New persepctives	6	31.58	66.67	33.33	0.00	0.00	100.00	Met
Social Responsibility	80	SR5	Application of knowledge	6	31.58	83.33	16.67	0.00	0.00	100.00	Met
Personal Responsibility	10	PR1	Ethical issues	34	19.75	52.14	29.29	18.57	0.00	81.43	Met
Personal Responsibility	10	PR2	Ethical perspectives	90	23.26	32.05	38.57	29.38	0.00	70.63	Met
Personal Responsibility	10	PR3	Consequences and implications	34	19.75	46.43	25.71	27.86	0.00	72.14	Met
Personal Responsibility	10	PR4	Ethical behavior	112	47.86	69.64	19.64	10.71	0.00	89.29	Met
Personal Responsibility	10	PR5	Ethical awareness	106	45.30	18.87	52.83	28.30	0.00	71.70	Met
Personal Responsibility	10	PR6	Ethical context	0	0.00	0.00	0.00	0.00	0.00	0.00	Not Assessed
Personal Responsibility	60	PR6	Ethical context	0	0.00	0.00	0.00	0.00	0.00	0.00	Not Assessed

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Overall University by Core Objective and Learning Outcome

Foundational Component Areas, Required SCH, Core Objectives to Assess

010 - Communication - 6 SCH - CT, COM, TW, PR

020 - Mathematics - 3 SCH - CT, COM, EQS

030 -Life & Physical Sciences - 6 SCH - CT, COM, EQS, TW

040 - Lang, Philosophy & Culture-3 SCH-CT, COM, SR, PR

050 - Creative Arts - 3 SCH - CT, COM, TW, SR

060 - American History - 6 SCH - CT, COM, SR, PR

070 - Government/Political Science - 6 SCH - CT, COM, SR, PR

080 - Social & Behavioral Sciences - 3 SCH - - CT, COM, EQS, SR

090 - Component Area Option - for assessment purposes, 090 courses moved to discipline

Objective	Learning Outcome	Skills	Number Assessed	Avg Of % Sampled	Excellent	Very Good	Satisfactory	Unsatisfactory	University Criteria 70% Excellent + Very Good	Met / NotMet
Critical Thinking	CT1	Point of view	188	32.22	47.24	36.69	11.16	4.91	83.92	Met
Critical Thinking	CT2	Assumptions and context	448	46.90	35.26	36.72	17.95	10.07	71.98	Met
Critical Thinking	СТЗ	Information and evidence	521	49.05	43.54	32.53	17.21	6.73	76.07	Met
Critical Thinking	CT4	Concepts and formulas	555	48.96	34.18	24.27	32.27	9.28	58.45	Not Met
Critical Thinking	CT5	Creativity	139	87.20	48.22	34.76	12.78	4.23	82.99	Met
Communication	COM1	Context, genre, purpose, needs	55	100.00	27.27	58.18	3.64	10.91	85.45	Met
Communication	COM2	Central message	248	75.70	70.66	12.84	10.25	6.25	83.50	Met
Communication	сомз	Organization	167	37.53	56.96	30.14	10.65	2.26	87.10	Met
Communication	COM4	Support	139	43.50	53.59	26.06	11.05	9.30	79.65	Met
Communication	COM5	Style and Mechanics	189	48.20	68.57	23.69	7.14	0.60	92.26	Met
Empirical and Quantitative Skills	EQS1	Explanation of information	180	80.00	25.05	30.36	29.74	14.85	55.41	Not Met
Empirical and Quantitative Skills	EQS2	Conversion	307	67.65	37.40	24.53	19.39	18.67	61.94	Not Met
Empirical and Quantitative Skills	EQS3	Calculation	307	67.65	32.82	27.61	18.45	21.12	60.43	Not Met
Empirical and Quantitative Skills	EQS4	Judgment/Conclusion	99	53.23	19.51	29.73	5.17	45.59	49.24	Not Met
Empirical and Quantitative Skills	EQS5	Evidence	28	71.79	42.86	21.43	7.14	28.57	64.29	Not Met
Teamwork	TW1	Articulate expectations	161	77.48	63.99	9.46	19.37	7.18	73.45	Met
Teamwork	TW2	Apply content with peers	12	32.43	0.00	50.00	50.00	0.00	50.00	Not Met
Teamwork	TW3	Team organizational skills	12	32.43	0.00	0.00	100.00	0.00	0.00	Not Met
Teamwork	TW4	Peer feedback	12	32.43	0.00	50.00	50.00	0.00	50.00	Not Met
Teamwork	TW5	Benefits	12	32.43	0.00	0.00	0.00	100.00	0.00	Not Met
Social Responsibility	SR1	New persepctives	120	75.58	40.80	34.05	14.69	10.46	74.85	Met
Social Responsibility	SR2	perceptions	114	97.58	27.87	34.41	22.03	15.69	62.28	Not Met
Social Responsibility	SR3	New awareness	59	95.16	8.47	28.81	44.07	18.64	37.29	Not Met
Social Responsibility	SR4	Civic reponsibilities	55	100.00	47.27	40.00	0.00	12.73	87.27	Met
Social Responsibility	SR5	Application of knowledge	6	31.58	83.33	16.67	0.00	0.00	100.00	Met
Personal Responsibility	PR1	Ethical issues	34	19.75	52.14	29.29	18.57	0.00	81.43	Met
Personal Responsibility	PR2	Ethical perspectives	90	23.26	32.05	38.57	29.38	0.00	70.63	Met
Personal Responsibility	PR3	Consequences and implications	34	19.75	46.43	25.71	27.86	0.00	72.14	Met
Personal Responsibility	PR4	Ethical behavior	112	47.86	69.64	19.64	10.71	0.00	89.29	Met
Personal Responsibility	PR5	Ethical awareness	106	45.30	18.87	52.83	28.30	0.00	71.70	Met
Personal Responsibility	PR6	Ethical context	0	0.00	0.00	0.00	0.00	0.00	0.00	Not Assessed

	Critical Thinking Skills Rubric To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information							
Outcome	Excellent (4)	Very Good (3)	Satisfactory (2)	Unsatisfactory (1)				
POV: Students will accurately identify their own point of view or approach while fairly examining points of view that differ from their own.	Consistent ability to identify their own point of view. Student thoughtfully and fairly considers points of view that differ from their own	Demonstrates adequate ability to identify their own point of view. Student generally considers points of view that differ from their own.	Minimal ability identifying their own point of view. Student sometimes considers points of view that differ from their own, though often in a superficial way.	No evidence of ability to identify their own point of view. Student does not fairly examine points of view that differ from their own.				
Assumptions and Context: Students will analyze the assumptions and influence of context (e.g. social, political, ethical) relevant to the assignment.	Systematically and methodically analyzes own and others' assumptions and carefully evaluates the relevance of context when addressing an issue.	Identifies and partially analyzes own and others' assumptions and generally evaluates the relevance of context when addressing an issue.	Identifies and partially analyzes some assumptions and partially evaluates some context when addressing an issue. May demonstrate awareness of assumptions of self or others, but not both.	No evidence of ability to identify assumptions of self or others. No evidence of ability to evaluate relevance of context when addressing an issue.				
Information and Evidence: Students will demonstrate an ability to identify, interpret, and document accurate and relevant information and evidence using appropriate methods.	Consistent ability to identify and interpret information and evidence according to its accuracy and relevancy. Viewpoints of experts are thoroughly discussed and analyzed. Expertly uses appropriate methods to document information.	General ability to identify and interpret information and evidence according to its accuracy and relevancy. Viewpoints of experts are somewhat discussed and analyzed. Uses appropriate methods to document information.	Minimal ability to identify and interpret information and evidence according to its accuracy and relevancy. Viewpoints of experts are taken mostly as fact, with little discussion or analysis. Sometimes uses appropriate methods to document information.	No evidence of ability to identify and interpret information or evidence according to its accuracy and relevancy. Viewpoints of experts are taken as fact, with no discussion or analysis. Fails to use appropriate methods to document information.				
Concepts and Formulas: Students will analyze or clearly apply concepts, theories, events, formulas, or models relevant to the assignment and understand significant implications.	Expertly analyzes or applies concepts, theories, events, formulas, or models relevant to the assignment. Demonstrates a deep understanding of significant implications or connections of concepts theories, events, formulas, or models relevant to the assignment.	Analyzes or applies concepts, theories, events, formulas, or models relevant to the assignment. Demonstrates an acceptable understanding of significant implications or connections of concepts of theories, events, formulas, or models relevant to the assignment.	Minimal ability to analyze or apply concepts, theories, events, formulas, or models relevant to the assignment. Sometimes demonstrates an understanding of significant implications or connections of concepts of theories, events, formulas, or models relevant to the assignment.	No evidence of ability to analyze or apply concepts, theories, events, formulas, or models relevant to the assignment. Fails to demonstrate an understanding of significant implications or connections of concepts of theories, events, formulas, or models relevant to the assignment.				
Creativity: Students will creatively consider questions, problems, or issues relevant to the assignment and demonstrate the ability to conceive of innovative or novel solutions.	Demonstrates a consistent creative ability to consider questions, problems, or issues relevant to the assignment. Demonstrate the expert ability to conceive of innovative or novel solutions to questions, problems, or issues relevant to the assignment.	Creatively considers questions, problems, or issues relevant to the assignment. Conceives of innovative or novel solutions to questions, problems, or issues relevant to the assignment.	Minimally considers questions, problems, or issues relevant to the assignment. Sometimes considers innovative or novel solutions to questions, problems, or issues relevant to the assignment.	Fails to consider questions, problems, or issues relevant to the assignment. Fails to consider innovative or novel solutions to questions, problems, or issues relevant to the assignment.				

To in	Communication Skills Rubric To include effective development, interpretation and expression of ideas through written, oral and visual communication								
Outcome	Excellent (4)	Very Good (3)	Satisfactory (2)	Unsatisfactory (1)					
Students will demonstrate understanding of appropriate context, genre, purpose, or audience needs.	Demonstrates a thorough understanding of context, genre, or audience needs that is responsive to the assigned task(s) and focuses all elements of the work.	Demonstrates adequate consideration of context, genre, or audience needs, and a clear focus on the assigned task(s) (e.g., the task aligns with audience, purpose and context).	Demonstrates awareness of context, genre, or audience needs, and to the assigned task(s) (e.g., begins to show awareness of audience's perceptions and assumptions).	Demonstrates minimal attention to context, genre, or audience needs, and to the assigned task(s) (e.g., expectation of instructor or self as audience).					
Students will provide a clear central message, thesis statement, or argument.	Central message, thesis statement, or argument is compelling (precisely stated, appropriately repeated, memorable, and strongly supported).	Central message, thesis statement, or argument is clear and consistent with the supporting material.	Central message, thesis statement, or argument is basically understandable but is not often repeated and is not memorable.	Central message, thesis statement, or argument can be deduced, but is not explicitly stated.					
Students will organize the body of the work using organization or a pattern appropriate to the discipline.	Organization or pattern (composition or specific introduction and conclusion, sequenced material within the body, and transitions) is clearly and consistently observable and skillful, and makes the content cohesive.	Organization or pattern (composition or specific introduction and conclusion, sequenced material within the body, and transitions) is clearly and consistently observable within the content.	Organization or pattern (composition or specific introduction and conclusion, sequenced material within the body, and transitions) is intermittently observable within the content.	Organization or pattern (composition or specific introduction and conclusion, sequenced material within the body and transitions) is not observable within the content.					
Students will appropriately incorporate supporting materials (i.e., explanations, examples, illustrations, statistics, analogies, and quotations from relevant authorities).	Supporting materials completely make appropriate reference to information or analysis that significantly supports the content or establishes the student's credibility/authority on the topic.	Supporting materials make appropriate reference to information or analysis that mostly supports the content or establishes the student's credibility/authority on the topic.	Supporting materials make appropriate reference to information or analysis that somewhat supports the content or establishes the student's credibility/authority on the topic.	Supporting materials make reference to information or analysis that minimally or do not support the content or establishes the student's credibility/authority on the topic.					
Students will use contextually appropriate verbal, nonverbal, or visual elements and techniques.	Written (writing style and mechanics), verbal (volume, rate, pitch, pauses, articulation), nonverbal (posture, gesture, eye contact, and vocal expressiveness), or visual elements and techniques (composition, visual cues, aesthetics), make the paper/presentation/art compelling.	Written (writing style and mechanics), verbal (volume, rate, pitch, pauses, articulation), nonverbal (posture, gesture, eye contact, and vocal expressiveness), or visual elements and techniques (composition, visual cues, aesthetics), make paper/presentation/art interesting.	Written (writing style and mechanics), verbal (volume, rate, pitch, pauses, articulation), nonverbal (posture, gesture, eye contact, and vocal expressiveness), or visual elements and techniques (composition, visual cues, aesthetics), make the paper/presentation/art understandable.	Written (writing style and mechanics), verbal (volume, rate, pitch, pauses, articulation), nonverbal (posture, gesture, eye contact, and vocal expressiveness), or visual elements and techniques (composition, visual cues, aesthetics), detract from the understandability of the paper/presentation/art.					

Toi	Empirical and Quantitative Skills Rubric To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions								
Outcome	Excellent (4)	Very Good (3)	Satisfactory (2)	Unsatisfactory (1)					
Students will explain information presented in mathematical/numerical forms (e.g. equations, graphs, diagrams, tables, words).	Provides accurate explanations of information presented in mathematical/ numerical forms. Makes appropriate inferences based on that information.	Provides accurate explanations of information presented in mathematical/ numerical forms.	Provides somewhat accurate explanations of information presented in mathematical/ numerical forms, but makes minor errors.	Draws incorrect conclusions from information presented in mathematical/numerical forms.					
Students will convert relevant information into an appropriate mathematical/numerical form (e.g. equations, graphs, diagrams, tables, words).	Accurately converts relevant information into an appropriate mathematical/numerica l form in a way that contributes to a further or deeper understanding.	Competently converts relevant information into an appropriate mathematical form.	Completes conversion of information but resulting mathematical/numerical form is only partially appropriate or accurate.	Completes conversion of information but resulting mathematical/numerical form is inappropriate or inaccurate.					
Students will perform calculations using appropriate mathematical/numerical forms (e.g. equations, graphs, diagrams, tables, words) in the discipline	Calculations are all correct. Calculations are also presented elegantly (clearly, concisely, etc.)	Calculations are correct with minor mistakes.	Calculations are attempted but present only a portion of the calculations required to solve the problem.	Calculations are attempted and failed.					
Students will make judgments and draw appropriate conclusions based on the quantitative analysis of data and results.	Uses the quantitative analysis of data as the basis for thoughtful judgments, drawing insightful, carefully qualified conclusions.	Uses the quantitative analysis of data as the basis for competent judgments, drawing reasonable, appropriately qualified conclusions.	Uses the quantitative analysis of data as the basis for judgments, drawing plausible conclusions.	Uses the quantitative analysis of data as the basis for judgments, drawing wrong conclusions.					
Students will present quantitative evidence in support of the argument or purpose of the work.	Uses quantitative information in connection with argument or purpose of the work, presents it in an effective format, and explicates it with high quality.	Uses quantitative information in connection with argument or purpose of the work but may be presented in a less effective format or some parts of explication is low quality.	Uses quantitative information in connection with argument or purpose of the work but presents it in an ineffective format or explanation is low quality.	Uses quantitative information in connection with argument or purpose of the work but does not provide adequate explicit numerical support					

To includ	Teamwork Rubric To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal								
Outcome	Excellent (4)	Very Good (3)	Satisfactory (2)	Unsatisfactory (1)					
Students will work with peers to articulate team expectations and individual contributions.	Fully articulates/identifies team expectations and individual contributions.	Somewhat articulates/identifies team expectations and individual contributions.	Limited articulation/ identification of team expectations and individual contributions.	Cannot articulate/identify team expectations and individual contributions.					
Students will work with peers to apply content knowledge to team tasks.	Evidence of extensive peer-to-peer contact in applying content knowledge to team tasks.	Evidence of sufficient peer-to-peer contact in applying content knowledge to team tasks.	Evidence of some but deficient peer-to-peer contact in applying content knowledge to team tasks.	Little evidence of peer- to-peer contact in applying content knowledge to team tasks.					
Students will demonstrate team organizational skills.	Strong evidence of task/event scheduling and equal participation among all team members.	Sufficient evidence of task/event scheduling and equal participation among all team members.	Evidence of some but deficient task/event scheduling and equal participation among all team members.	Little evidence of task/event scheduling and equal participation among all team members.					
Students will effectively use peer feedback to progress towards a shared purpose or goal.	Completes all peer feedback devices on schedule. Fully articulates/identifies measures of progress.	Completes all or most peer feedback devices on schedule. Somewhat articulates/identifies measures of progress.	Completes some peer feedback devices on schedule. Limited articulation/identificatio n of measures of progress.	Completes very few peer feedback devices on schedule. Cannot articulate/identify measures of progress.					
Students will explain the benefits of working with a diverse group.	Fully articulates/identifies a number of benefits attributed to working in a diverse group.	Somewhat articulates/identifies a number of benefits attributed to working in a diverse group.	Limited articulation/identificatio n of a number of benefits attributed to working in a diverse group.	Cannot articulate/identify a number of benefits attributed to working in a diverse group.					

Social Responsibility Skills Rubric To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

and the ability to organic ornotavely in regional, national, and global confindinties								
Outcome	Excellent (4)	Very Good (3)	Satisfactory (2)	Unsatisfactory (1)				
Students will demonstrate new perspectives about their own cultural rules and biases.	Consistent ability to recognize new perspectives about their own cultural rules and biases.	Demonstrates ability to recognize new perspectives about their own cultural rules and biases.	Increasing ability to recognize new perspectives about their own cultural rules and biases.	Shows minimal awareness of own cultural rules and biases.				
Students will articulate how their own attitudes and beliefs relate to those of other cultures, communities, and individuals.	Expertly articulates how their own attitudes and beliefs relate to those of other cultures, communities, and individuals.	Articulates how their own attitudes and beliefs relate to those of other cultures, communities, and individuals.	Increasing ability to articulate how their own attitudes and beliefs relate to those of other cultures, communities, and individuals.	No evidence of ability to articulate how their own attitudes and beliefs relate to those of other cultures, communities, and individuals.				
Students will develop an awareness of how social, political, or economic structures empower, marginalize, or oppress others.	Demonstrates a deep understanding of how social, political, or economic structures empower, marginalize, or oppress others.	Demonstrates an acceptable understanding of how social, political, or economic structures empower, marginalize, or oppress others.	Sometimes demonstrates an understanding of how social, political, or economic structures empower, marginalize, or oppress others.	Fails to demonstrate an understanding of how social, political, or economic structures empower, marginalize, or oppress others.				
Students will identify and critically evaluate the civic responsibilities shared by members of regional, national, and global communities.	Expertly identifies and critically evaluates the civic responsibilities shared by members of regional, national, and global communities.	Generally identifies and critically evaluates the civic responsibilities shared by members of regional, national, and global communities.	Sometimes identifies and critically evaluates the civic responsibilities shared by members of regional, national, and global communities.	Unable to identify and critically evaluate the civic responsibilities shared by members of regional, national, and global communities.				
Students will apply knowledge from the course or discipline to engage in civic life.	Expertly connects course or discipline knowledge to engagement in civic life.	Generally connects course or discipline knowledge to engagement in civic life.	Sometimes connects course or discipline knowledge to engagement in civic life.	Unable to connect course or discipline knowledge to engagement in civic life.				

Personal Responsibility Rubric To include the ability to connect choices, actions, and consequences to ethical decision-making Outcome Excellent (4) Very Good (3) Satisfactory (2) **Unsatisfactory (1)** Students will identify a Clearly identifies Identifies most aspects Identifies only some Does not identify a situation in which situations in which ethical of situations in which aspects of the situation in which ethical ethical issues are issues are present. ethical issues are situations in which issues are present. ethical issues are present. present. present. Students will analyze Fully analyzes the Somewhat analyzes the Analyzes the situation Does not analyze the the situation from situation from more than situation from more from one ethical situation from one ethical one ethical perspective or than one ethical perspective or perspective or more than one ethical perspective or framework. perspective or framework. framework. framework. framework. Students will explore Fully explores the Somewhat explores the Explores the Does not explore the consequences and consequences or consequences or consequences or consequences or implications of implications of decisions implications of implications of one implications. decisions from life from life situations or decisions from life ethical perspective from theoretical scenarios. life situations or situations or situations or theoretical scenarios. theoretical scenarios. theoretical scenarios. Students will Recommends one or Recommends action that Fails to recommend Clearly recommends one action or identify ethical recommend one or more actions that demonstrates an ethical or more actions that more actions that demonstrate behavior but the action behavior demonstrate the most promise the "most appropriate ethical may be weak. ethical behavior. ethical" behavior. behavior. Identifies and describes in Students will Describes core Identifies some core Identifies few general demonstrate ethical detail core beliefs/morals. beliefs/morals, but at a beliefs/morals. core beliefs/morals. No surface level with no evidence of ability to awareness by clearly Explains thoroughly the Explains minimally the linking ethical beliefs relationship between core depth. link ethical beliefs and relationship between core beliefs and ethical and behaviors. behaviors. Explains the beliefs and ethical behavior. relationship between behavior. core beliefs and ethical behavior. Students will consider Fully considers the Recognizes the Recognizes some of the Incompletely recognizes how the importance of the importance of importance of the importance of context/settings context/settings for context/settings for context/settings in context/settings in informs the ethical the ethical issue(s) the ethical issue(s) relation to ethical relation to ethical issue(s) issue(s). issue(s).