Learning Outcome: Students will be able to gather relevant information, examine information and form a conclusion based on that information (Critical Thinking).

Outcome Measure:

ETS Proficiency Profile

Criteria for Success:

85% of the students will be marginal or proficient at Level 2 Reading/Critical Thinking.

Aligned with DQP Learning Areas (circle one or more):

- 1. Specialized Knowledge
- 2. Broad Integrative Knowledge
- 3. Intellectual Skills/Core Competencies
- 4. Applied and Collaborative Learning, and
- 5. Civic and Global Learning

Longitudinal Data:

| | Percentage of Students Marginal or Proficient | | | | | | | | | | |
|---|---|---|--------|-------|-------|--|--|--|--|--|--|
| | 2012-13 | 2012-13 2013-14 2014-15 2015-16 2016-17 | | | | | | | | | |
| ETS Proficiency Profile Level 2 Critical Thinking | 80.0% | 92.3% | 100.0% | 84.2% | 91.7% | | | | | | |

Conclusions Drawn from Data:

Our students have been meeting the benchmark on the ETS exam. The variability has to do with the small sample size.

Changes to be Made Based on Data:

None at this time.

Rubric:

ETS provides the scores.

Learning Outcome: Students will be able to speak about their work with precision, clarity and organization (Oral Communication).

Outcome Measure: Annual: Each student will be required to give an oral presentation on a topic in their field as a part of their participation in the Senior Seminar. The audience for this talk will include department faculty, fellow students and possibly some alumni. The students will be given the evaluation criteria in advance of their presentation and will be rated by the faculty using a rubric with a scale of 4 (outstanding) to 1 (unsatisfactory) in the following areas:

- Command of background material
- Organization
- Oral presentation skills (added as part of the new rubric in the spring of 2010)
- Use of presentation tools
- Ability to field questions from the audience

Note that the department has a mapping between its rubric and the AAC&U Oral Communication Value Rubric.

Criteria for Success: 80% of the students should have an average score of at least 2.5 in each of the major areas in the department rubric. This translates to 80% of the students being above a 3.5 in the AAC&U rubric.

Our translation from our data to the AAC&U is included. Our department continues to provide the students with our departmental rubric because it has been developed over many years and works effectively with our majors.

Aligned with DQP Learning Areas (circle one or more):

- 1. Specialized Knowledge
- 2. Broad Integrative Knowledge
- 3. Intellectual Skills/Core Competencies
- 4. Applied and Collaborative Learning, and
- 5. Civic and Global Learning

Longitudinal Data:

| Oral Presentation | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Background | 94% | 88% | 100% | 95% | 100% | 100% | 92% | 100% | 95% | 100% |
| Organization | 94% | 94% | 100% | 85% | 100% | 100% | 100% | 100% | 100% | 92% |
| Oral presetnation skills (2010) | | | 100% | 90% | 100% | 100% | 92% | 100% | 95% | 100% |
| Presentation Tools | 88% | 94% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| Ability to field questions | 81% | 100% | 100% | 100% | 83% | 100% | 100% | 89% | 100% | 100% |

AAC&U "translation" (we have only done this for the years that PLNU has been making use of the DQP)

| Oral AAC&U | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
|---------------------|---------|---------|---------|---------|---------|
| Organization | 100% | 100% | 100% | 100% | 92% |
| Language | 100% | 92% | 100% | 100% | 100% |
| Delivery | 100% | 92% | 100% | 95% | 100% |
| Supporting Material | 100% | 100% | 100% | 100% | 100% |
| Central Message | 100% | 100% | 89% | 100% | 100% |

Conclusions Drawn from Data:

In general, the students have been performing reasonably well in the area of giving oral presentations. We attribute this to the fact that we intentionally have students presenting technical material in front of others starting in their freshman year.

Changes to be Made Based on Data:

Over time we have increased our standards and expanded the rubric to increase clarity for students and to push them to speak at a professional level. Looking at the scores, it is possible to see the times when alterations have been made:

- 2008-09 Standards tightened
- 2009-10 Rubric expanded to include more detailed instructions

Oral Presentation Rubric Update (4/12/17)

| Criteria | Outstanding | High Satisfactory | Low Satisfactory | Unsatisfactory | | |
|--------------------------------------|---|---|---|----------------|--|--|
| | Clearly knows material and key facts by memory | Clearly knows key facts with a few memory slips | Reads some information; knows some facts from memory | | Reads sentences from slides | |
| Command of background material | Expands on PPT slides | Some expansion on PPT slides | No expansion of PPT slide content | | Dependent on notes | |
| Comm backg materi | Content appropriate for audience | Partial audience adaptation of content | Little audience adaptation of content | | Lacks audience adaptation of content | |
| | Clear and concise outline | Clear outline | Some sense of outline | | No clear outline | |
| Organization | Relevant graphics and key text items on slides | Too much information on slides (not concise) | Too much detailed information on slides | | Slides are in paragraphed; too much detailed information on one slide | |
| Organ | Presentation is between 10-15 minutes | Presentation 1 minute outside of the range (10-15 minutes) | Presentation 2 minutes outside of the range (10-15 minutes) | | Presentation 3 minutes outside of the range (10-15 minutes) | |
| | Clearly has practiced several times; smooth transitions | Has practiced but transitions are not smooth | Has practiced presentation but cannot verbally make transitions between slides | | Clearly did not practice presentation; Does not anticipate content of next slide | |
| | Engages audience in content multiple time and engagement is well connected to talk (questions, examples, etc) | Engages audience at least twice in content (questions, examples, etc.) | Audience engagement at least once with content (questions, examples, etc.) | | No audience involvement | |
| | Free of disfluencies (ah, uhm) | A few disfluencies (ah, umh, er) | Many disfluencies (ah, umh, er) | | Disfluencies (ah, umh, er) detract from presentation | |
| on skills | Is clearly heard in the room and makes an uses inflection for emphasis | Can be understood most of the time and uses some inflection | Can sometimes be understood and uses little inflection | | Can not be heard and/or speaks in a monotone | |
| Presentation | Engaged audience through eye contact | Some engagement of audience through eye contact | Infrequent eye contact | | Little audience awareness or eye contact | |
| Oral F | Engaged audience through gestures | Some engagement of audience through gestures | Distracting gestures or mannerisms | | Frequent distracting gestures or mannerisms | |
| tion | PPT background is matched to content, legible font, seamless transitions | Appropriate PPT slide backgrounds, transitions & font | Distracting PPT slide backgrounds and transitions, font hard to read | | No attention given to PPT slide backgrounds and transitions, font illegible | |
| Use of Presentation Tools | Graphics imbedded and matched to topic, necessary hyperlinks work | Most graphics imbedded and matched to topic, most necessary hyperlinks work | Some inappropriate graphics or use of PPT embellishments, necessary hyperlinks don't work | | Distracting use of embellishments, graphics not connected to topic | |
| Ability to field questions | Able to answer questions clearly and without hesitation and prepared material to answer anticipated questions | Can answer all questions with some hesitation | Able to answer half of the questions with hesitation | | Unable to answer any questions | |

Translation between MICS and AAC&U Rubric

MICS Item

| MICS Category | Position in Rubric | AAC&U Category |
|---|--------------------|-----------------|
| Clear and concise outline | 4 | Organization |
| Relevant graphics and key text items on | | |
| slides | 5 | Organization |
| Presentation length is +/- 30 seconds of time | | |
| limit | 6 | Organization |
| Expands on PPT slides | 2 | Language |
| Content appropriate for audience | 3 | Language |
| Engages audience | 8 | Language |
| Transitions | 7 | Delivery |
| Free of disfluencies (ah, uhm) | 9 | Delivery |
| Is clearly heard in the room and uses | | |
| inflection for emphasis | 10 | Delivery |
| Engaged audience through eye contact | 11 | Delivery |
| Engaged audience through gestures | 12 | Delivery |
| PPT background is matched to content, | | |
| legible font, seamless transitions | 13 | Delivery |
| Relevant graphics and key text items on | | |
| slides | 5 | Supporting |
| Graphics imbedded and matched to topic, | | |
| necessary hyperlinks work | 14 | Supporting |
| Clearly knows material and key facts by | | |
| memory | 1 | Central Message |
| Able to answer questions clearly and without | | |
| hesitation | 15 | Central Message |

AAC&U Value Rubric

| | Capstone 4 | Milestones 3 | Milestones 2 | Benchmark 1 |
|---------------------|---|---|---|--|
| Organization | Organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) is clearly and consistently observable and is skillful and makes the content of the presentation cohesive. | Organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) is clearly and consistently observable within the presentation. | Organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) is intermittently observable within the presentation. | Organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) is not observable within the presentation. |
| Language | Language choices are imaginative, memorable, and compelling, and enhance the effectiveness of the presentation. Language in presentation is appropriate to audience. | Language choices are thoughtful and generally support the effectiveness of the presentation. Language in presentation is appropriate to audience. | Language choices are mundane and commonplace and partially support the effectiveness of the presentation. Language in presentation is appropriate to audience. | Language choices are unclear and minimally support the effectiveness of the presentation. Language in presentation is not appropriate to audience. |
| Delivery | Delivery techniques (posture, gesture, eye contact, and vocal expressiveness) make the presentation compelling, and speaker appears polished and confident. | Delivery techniques (posture, gesture, eye contact, and vocal expressiveness) make the presentation interesting, and speaker appears comfortable. | Delivery techniques (posture, gesture, eye contact, and vocal expressiveness) make the presentation understandable, and speaker appears tentative. | Delivery techniques (posture, gesture, eye contact, and vocal expressiveness) detract from the understandability of the presentation, and speaker appears uncomfortable. |
| Supporting Material | A variety of types of supporting materials (explanations, examples, illustrations, statistics, analogies, quotations from relevant authorities) make appropriate reference to information or analysis that significantly supports the presentation or establishes the presenter's credibility/authority on the topic. | Supporting materials (explanations, examples, illustrations, statistics, analogies, quotations from relevant authorities) make appropriate reference to information or analysis that generally supports the presentation or establishes the presenter's credibility/authority on the topic. | Supporting materials (explanations, examples, illustrations, statistics, analogies, quotations from relevant authorities) make appropriate reference to information or analysis that partially supports the presentation or establishes the presenter's credibility/authority on the topic. | Insufficient supporting materials (explanations, examples, illustrations, statistics, analogies, quotations from relevant authorities) make reference to information or analysis that minimally supports the presentation or establishes the presenter's credibility/authority on the topic. |
| Central Message | Central message is compelling (precisely stated, appropriately repeated, memorable, and strongly supported.) | Central message is clear and consistent with the supporting material. | Central message is basically understandable but is not often repeated and is not memorable. | Central message can be deduced, but is not explicitly stated in the presentation. |

Learning Outcome: Students will be able to write about their work with precision, clarity and organization (Written Communication).

Outcome Measure:

Annual: Each student will be required to write a paper on a topic in their field as a part of their participation in the Senior Seminar. The audience for this talk will include department faculty, fellow students and possibly some alumni. The students will be given the evaluation criteria in advance of their presentation and will be rated by the faculty using a rubric with a scale of 4 (outstanding) to 1 (unsatisfactory) in the following areas:

- Bibliography and other supporting documentation
- Organization
- Grammar and spelling
- Depth of information
- Clarity of writing

Note that the department has a mapping between its rubric and the AAC&U Written Communication Value Rubric.

Annual: ETS Proficiency Profile.

Criteria for Success: 80% of the students should have an average score of at least 2.5 in each of the major areas in the department rubric. This translates to 80% of the students being above a 3.5 in the AAC&U rubric.

ETS: 85% of our students will be marginal or proficient on the Level 2 Writing test.

Our translation from our data to the AAC&U is included. Our department continues to provide the students with our departmental rubric because it has been developed over many years and works effectively with our majors

Aligned with DQP Learning Areas (circle one or more):

- 1. Specialized Knowledge
- 2. Broad Integrative Knowledge
- 3. Intellectual Skills/Core Competencies
- 4. Applied and Collaborative Learning, and
- 5. Civic and Global Learning

Longitudinal Data:

| Written Report | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Bibliography and support | 69% | 75% | 88% | 55% | 93% | 100% | 100% | 100% | 89% | 100% |
| Organization | 100% | 88% | 63% | 65% | 93% | 100% | 100% | 100% | 100% | 92% |
| Grammar and Spelling | 94% | 75% | 81% | 60% | 79% | 100% | 92% | 89% | 84% | 100% |
| Depth of Information | 81% | 88% | 88% | 50% | 93% | 91% | 77% | 78% | 89% | 85% |
| Clarity of Writing | 94% | 69% | 81% | 70% | 79% | 91% | 77% | 78% | 89% | 85% |

AAC&U "translation" (we have only done this for the years that PLNU has been making use of the DQP)

| Written AAC&U | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
|---------------------|---------|---------|---------|---------|---------|
| Organization | 100% | 100% | 100% | 89% | 92% |
| Language | 100% | 92% | 100% | 89% | 85% |
| Delivery | 100% | 92% | 100% | 100% | 85% |
| Supporting Material | 100% | 100% | 100% | 89% | 100% |
| Central Message | 100% | 100% | 89% | 84% | 85% |

| | Percentage of Students Marginal or Proficient | | | | | | | | | | |
|---|---|---|--------|-------|-------|--|--|--|--|--|--|
| | 2012-13 | 2012-13 2013-14 2014-15 2015-16 2016-17 | | | | | | | | | |
| ETS Proficiency Profile Level 2 Writing | 60.0% | 84.6% | 100.0% | 89.5% | 83.3% | | | | | | |

Conclusions Drawn from Data:

In general, the students have been performing reasonably well in writing technical reports. We still some weaknesses in the quality of their writing and the use of their source material. The sample size for ETS in the first year was extremely small so we are not particularly concerned about the fact that the score was below the benchmark. The balance of the ETS scores are at or near benchmark (due to small sample sizes, the difference can often be a single person).

Changes to be Made Based on Data:

Over time we have increased our standards and expanded the rubric to increase clarity for students and to push them to speak at a professional level. Looking at the scores, it is possible to see the times when alterations have been made:

- 2008-09 Standards tightened
- 2009-10 Rubric expanded to include more detailed instructions
- In 2014-15 we instituted a literature review assignment to strengthen the students' capacity for using resources and identifying why the resources are relevant. This assignment needs to be adjusted, but seems to have helped students to understand their work.

In addition, the university has just changed general education requirements so that students will take an upper division literature class. We hope that this further exposure to formal writing later in their academic career will help to strengthen our students' writing.

MICS Written Presentation Rubric

| Criteria | Outstanding | High Satisfactory | Low Satisfactory | Unsatisfactory |
|---------------------------------------|---|---|---|--|
| hy and | Multiple references from distinct reputable sources | Most references from distinct reputable sources | Some references from reputable sources | No bibliography or all references from untrusted sites on the internet |
| Bibliography and supporting documents | References cited in the body of the document | Some citation of references in the body of the document | Limited citation of references in the body of the document | No citation of references in the body of the document |
| | Conveys a central theme with all ideas connected, arrangement of ideas clearly related to topic | Conveys a central idea or topic with some ideas connected to the topic | Attempts to focus on an idea or topic with many ideas not connected to the topic | Has little or no focus on central idea or topic |
| uc | Clear introduction, body (with sections), and conclusion includes summary and closure | Includes introduction, body and conclusion | Introduction, body, conclusion detectable but not clear | Introduction, body or conclusion absent |
| Organization | Includes both an abstract and table of contents | Includes abstract and table of contents (one partial and one complete) | Includes partial abstract and partial table of contents | No abstract or table of contents |
| and . | No use of first- person tense | Few uses of the first-person tense | Several uses of the first- person tense | Written in first-person tense |
| Grammar and spelling | No grammatical or spelling errors | Few grammatical and spelling errors | Some grammatical and spelling errors | Many grammatical and spelling errors |
| | Appropriately synthesizes information from multiple distinct sources | Synthesis of information from at least three distinct sources | Synthesis of information from at least two distinct sources | Summary reporting of information without synthesis |
| Depth of information | Draws conclusions and personal insights from synthesis | At least two personal insights or conclusions stated | At least one personal insight or conclusion stated | No personal insights |
| Depth o | Has the minimum number of pages including penalty pages; subject coverage is excellent | Has the minimum number of pages including penalty pages; subject coverage is good | Has the minimum number of pages including penalty pages; subject coverage is adequate | Does not have the minimum number of pages including penalty pages |
| | Sentences flow | Good sentence structure | Occasional poor sentence structure | Frequent poor sentence structure |
| | Smooth transitions between paragraphs | Adequate transitions between paragraphs | Transitions between paragraphs unclear | Lacked transitions between paragraphs |
| Clarity of writing | Any and all terms and acronyms are defined | Most terms and acronyms are defined | Some terms and acronyms are defined | Many terms and acronyms are undefined |
| Clarit | Provides evidence to support points | Lacks support for some points | Provides minimal support for points | Ideas not supported |

Translation between MICS and AAC&U Rubric

| MICS Category | MICS Item Position in Rubric | AAC&U Category |
|--|------------------------------|----------------|
| Conveys a central theme with all ideas connected, arrangement of ideas clearly related | 2 | Down |
| to topic | 3 | Purpose |
| Appropriately synthesizes information from multiple distinct sources | 8 | Development |
| Draws conclusions and personal insights from synthesis | 9 | Development |
| Has the minimum number of pages including penalty pages; subject coverage is excellent | 10 | Development |
| Provides evidence to support points | 14 | Development |
| Clear introduction, body (with sections), and conclusion includes summary and closure | 4 | Genre |
| Includes both an abstract and table of contents | 5 | Genre |
| Multiple references from distinct reputable sources | 1 | Source |
| References cited in the body of the document | 2 | Source |
| No use of first- person tense | 6 | Syntax |
| No grammatical or spelling errors | 7 | Syntax |
| Sentences flow | 11 | Syntax |
| Smooth transitions between paragraphs | 12 | Syntax |
| Any and all terms and acronyms are defined | 13 | Syntax |

AAC&U Written Communication Value Rubric

| | Capstone 4 | Milestones 3 | Milestones 2 | Benchmark 1 |
|---|---|---|--|---|
| Context of and Purpose for Writing Includes considerations of audience, purpose, and the circumstances surrounding the writing task(s). | Demonstrates a thorough understanding of context, audience, and purpose that is responsive to the assigned task(s) and focuses all elements of the work. | Demonstrates adequate consideration of context, audience, and purpose and a clear focus on the assigned task(s) (e.g., the task aligns with audience, purpose, and context). | Demonstrates awareness of context, audience, purpose, and to the assigned tasks(s) (e.g., begins to show awareness of audience's perceptions and assumptions). | Demonstrates minimal attention to context, audience, purpose, and to the assigned tasks(s) (e.g., expectation of instructor or self as audience). |
| Content Development | Uses appropriate, relevant, and compelling content to illustrate mastery of the subject, conveying the writer's understanding, and shaping the whole work. | Uses appropriate, relevant, and compelling content to explore ideas within the context of the discipline and shape the whole work. | Uses appropriate and relevant content to develop and explore ideas through most of the work. | Uses appropriate and relevant content to develop simple ideas in some parts of the work. |
| Genre and Disciplinary Conventions Formal and informal rules inherent in the expectations for writing in particular forms and/or academic fields (please see glossary). | Demonstrates detailed attention to and successful execution of a wide range of conventions particular to a specific discipline and/or writing task (s) including organization, content, presentation, formatting, and stylistic choices | Demonstrates consistent use of important conventions particular to a specific discipline and/or writing task(s), including organization, content, presentation, and stylistic choices | Follows expectations appropriate to a specific discipline and/or writing task(s) for basic organization, content, and presentation | Attempts to use a consistent system for basic organization and presentation. |
| Sources and Evidence | Demonstrates skillful use of high-quality, credible, relevant sources to develop ideas that are appropriate for the discipline and genre of the writing | Demonstrates consistent use of credible, relevant sources to support ideas that are situated within the discipline and genre of the writing. | Demonstrates an attempt to use credible and/or relevant sources to support ideas that are appropriate for the discipline and genre of the writing. | Demonstrates an attempt to use sources to support ideas in the writing. |
| Control of Syntax and Mechanics | Uses graceful language that skillfully communicates meaning to readers with clarity and fluency, and is virtually error-free. | Uses straightforward language that generally conveys meaning to readers. The language in the portfolio has few errors. | Uses language that generally conveys meaning to readers with clarity, although writing may include some errors. | Uses language that sometimes impedes meaning because of errors in usage. |

Learning Outcome: Students will be able to identify, locate, evaluate, and effectively and responsibly use and cite information for the task at hand (Information Literacy).

Outcome Measure: Annual: Each student will be required to write a paper on a topic in their field as a part of their participation in the Senior Seminar. The audience for this talk will include department faculty, fellow students and possibly some alumni. The students will be given the evaluation criteria in advance and their paper will be rated by the faculty using a rubric with a scale of 4 (capstone) to 1 (benchmark) in the following areas:

- References: Multiple references from distinct reputable sources
- Citation: References cited in the body of the document
- Synthesis: Appropriately synthesizes information from multiple distinct sources.

Criteria for Success: 80% of the students should have an average score of at least 3 in each of the major areas.

Aligned with DQP Learning Areas (circle one or more):

- 1. Specialized Knowledge
- 2. Broad Integrative Knowledge
- 3. Intellectual Skills/Core Competencies
- 4. Applied and Collaborative Learning, and
- 5. Civic and Global Learning

Longitudinal Data:

| | Percentage of Students at 2.5 or | | t 2.5 or Hig | her | |
|---|----------------------------------|---------|--------------|---------|---------|
| Information Literacy | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
| References | | | | 95% | 100% |
| Citation | | | | 84% | 92% |
| Synthesis | | | | 84% | 85% |
| Determine the Extent of Information Needed | 100% | 62% | 78% | | |
| Access the Needed Information | 91% | 69% | 100% | | |
| Evaluate Information and its Sources Critically | | | | | |
| (carefully explains the reasons for the choice of | | | | | |
| source) (added 2014-15) | | | 33% | | |
| Use Information Effectively to Accomplish a | | | | | |
| Specific Purpose | 91% | 85% | 89% | | |
| Access and Use Information Ethically and | | | | | |
| Legally | 91% | 77% | 100% | | |

Note that in 2015-16 we returned to gathering information literacy data from our writing rubric. The AAC&U rubric was not working well for our purposes.

Conclusions Drawn from Data:

The students are meeting our expectations. For the first two years we applied the AAC&U rubric to the student's final senior paper to measure their use of information. The quality of the use of information was uneven and we had not made our expectations clear. The students much more clearly understand the expectations regarding information literacy that are embedded in our writing rubric.

Changes to be Made Based on Data:

We have tried a variety of approaches, using the AAC&U IL rubric and expanding on that rubric. After looking at the AAC&U results in parallel with the departmental writing rubric, it was clear that the difference in results were insignificant. It is a great deal less work for the department and clearer for the students to simply use the departmental writing rubrics IL components to assess students' IL.

Rubric

Next Page

| Clarity of writing | writing | | | Depth of i | Depth of information | | Grammar and spelling | | Organization | _ | | Bibliography a supporting documents | / and |
|-------------------------------------|--|---|------------------------------------|--|--|--|--------------------------------------|---|--|---|---|--|--|
| | | | | | | | | | | | | | |
| Provides evidence to support points | Any and all terms and acronyms are defined | Smooth transitions between paragraphs | Sentences flow | Has the minimum number of pages including penalty pages; subject coverage is excellent | Draws conclusions and personal insights from synthesis | Appropriately synthesizes information from multiple distinct sources | No grammatical or spelling errors | No use of first- person tense | Includes both an abstract and table of contents | Clear introduction, body (with sections), and conclusion includes summary and closure | Conveys a central theme with all ideas connected, arrangement of ideas clearly related to topic | References cited in the body of the document | Multiple references from distinct reputable sources |
| | | | | | | | | | | | | | |
| Lacks support for some points | Most terms and acronyms are defined | Adequate transitions between paragraphs | Good sentence structure | Has the minimum number of pages including penalty pages; subject coverage is good | At least two personal insights or conclusions stated | Synthesis of information from at least three distinct sources | Few grammatical and spelling errors | Few uses of the first-person tense | Includes abstract and table of contents (one partial and one complete) | Includes introduction, body and conclusion | Conveys a central idea or topic with some ideas connected to the topic | Some citation of references in the body of the document | Most references from distinct reputable sources |
| | | | | | | | | | | | | | |
| Provides minimal support for points | Some terms and acronyms are defined | Transitions between paragraphs unclear | Occasional poor sentence structure | Has the minimum number of pages including penalty pages; subject coverage is adequate | At least one personal insight or conclusion stated | Synthesis of information from at least two distinct sources | Some grammatical and spelling errors | Several uses of the first- person tense | Includes partial abstract and partial table of contents | Introduction, body, conclusion detectable but not clear | Attempts to focus on an idea or topic with many ideas not connected to the topic | Limited citation of references in the body of the document | Some references from reputable sources |
| | | | | | | | | | | | | | |
| Ideas not supported | Many terms and acronyms are undefined | Lacked transitions between paragraphs | Frequent poor sentence structure | Does not have the minimum number of pages including penalty pages | No personal insights | Summary reporting of information without synthesis | Many grammatical and spelling errors | Written in first-person tense | No abstract or table of contents | Introduction, body or conclusion absent | Has little or no focus on central idea or topic | No citation of references in the body of the document | No bibliography or all references from untrusted sites on the internet |

Learning Outcome: Students will be able to understand and create arguments supported by quantitative evidence, and they can clearly communicate those arguments in a variety of formats (Quantitative Reasoning).

Outcome Measure: Annual: Each student will participate in the ETS Proficiency Profile exam.

Criteria for Success: 90% of the students will be Marginal or Proficient at Level 2. Note that we dropped the criteria of success so that it is possible for the department to pass even if a single student misses the criteria.

Aligned with DQP Learning Areas (circle one or more):

- 1. Specialized Knowledge
- 2. Broad Integrative Knowledge
- 3. Intellectual Skills/Core Competencies
- 4. Applied and Collaborative Learning, and
- 5. Civic and Global Learning

Longitudinal Data:

| | | Percentage of | Students Margir | nal or Proficient | |
|---|---------|---------------|-----------------|-------------------|---------|
| | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
| ETS Proficiency Profile Level 2 Math | 100.0% | 100.0% | 100.0% | 100.0% | 91.7% |

Conclusions Drawn from Data:

Students are in general meeting our criteria.

Changes to be Made Based on Data:

None at this time. We will continue to monitor the results.

Rubrics

ETS Proficiency Profile (no rubric involved)