|  |  |  |  |
| --- | --- | --- | --- |
| *Fall 2013 Critical Thinking Reliability* | | | |
|  | Criteria | Link to GE Assessment Mapping (Outcome) | Inter-rater Reliability (calculated as Kappa) |
|  | Analysis & Evaluation | 1a-Analyze, synthesize, and/or evaluate ideas, concepts, and/or evidence. | .51 |
|  | Synthesis | 1a-Analyze, synthesize, and/or evaluate ideas, concepts, and/or evidence. | .49 |
|  | Discipline Assumptions | 1b-Describe diverse aspects of a discipline using discipline-specific concepts. | .58 |
|  | Discipline-specific Concepts | 1b-Describe diverse aspects of a discipline using discipline-specific concepts. | .53 |
|  | Problem-solving Strategy | 1c-Apply appropriate problem-solving strategies to discipline-specific issues | .54 |
|  | Comparing & Contrasting Theories | 1d-Compare and contrast theories within a discipline. | .71 |
| \*Rubric reliability: α = .95 | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Fall 2013 Critical Thinking Expectations* | | | | | | | | | | |  | |
|  | Analysis & Evaluation | | Synthesis | | Discipline Assumptions | | Discipline-specific Concepts | | Problem-solving Strategy | | Comparing & Contrasting Theories | |
|  | N | % | N | % | N | % | N | % | N | % |  | |
| Does not meet expectation | 35 | 46 | 21 | 28 | 24 | 44 | 16 | 29 | 32 | 51 | 15 | 41 |
| Meets expectation | 14 | 18 | 17 | 22 | 9 | 16 | 10 | 18 | 7 | 11 | 10 | 27 |
| Exceeds expectation | 27 | 36 | 38 | 50 | 22 | 40 | 29 | 53 | 24 | 38 | 12 | 32 |
| Total | 76 | 100 | 76 | 100 | 55 | 100 | 55 | 100 | 63 | 100 | 37 | 100 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Fall 2013 Critical Thinking Percent Agreement Among Raters* | | | | | | | | | | |  | |
| % Agreement | Analysis & Evaluation | | Synthesis | | Discipline Assumptions | | Discipline-specific Concepts | | Problem-solving Strategy | | Comparing & Contrasting Theories | |
|  |  | % |  | % |  | % |  | % |  | % |  | |
| 100 | 48 |  | 47 |  | 37 |  | 35 |  | 41 |  | 29 |  |
| 90 | 0 |  | 1 |  | 0 |  | 0 |  | 0 |  | 0 |  |
| 80 | 27 |  | 27 |  | 27 |  | 20 |  | 21 |  | 8 |  |
| 60 | 1 |  | 1 |  | 0 |  | 0 |  | 1 |  | 0 |  |
| 40 | 0 |  | 0 |  | 0 |  | 0 |  | 0 |  | 0 |  |
| 20 | 0 |  | 0 |  | 0 |  | 0 |  | 0 |  | 0 |  |
| 0 | 0 |  | 0 |  | 0 |  | 0 |  | 0 |  | 0 |  |
| Total | 76 | | 76 | | 55 | | 55 | | 63 | | 37 | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Fall 2013 Critical Thinking* | | | | | | | | | |
|  | **All Enrolled At SU** | | | **Sampled for Assessment** | | | | | |
|  | **N** | **% of All** | **GPA** | **N** | **GPA** | | **% of All** | **% of GE Course** | |
| **Native SU Students** | | | | | | | | | |
| Freshman | 1521 | 31% | 2.86 | 26 | 2.99 | 2% | | 3% | |
| Sophomore | 1207 | 25% | 3.04 | 25 | 3.1 | 2% | | 7% | |
| Junior\* | 1148 | 23% | 3.08 | 25 | 3.3 | 2% | | 17% | |
| Senior | 1049 | 21% | 3.18 | 26 | 3.25 | 3% | | 32% | |
| **Transfer SU Students** | | | | | | | | | |
| Freshman | 126 | 5% | 2.28 | 24 | 2.73 | 14% | | | 28% |
| Sophomore\* | 650 | 24% | 2.46 | 24 | 2.85 | 3% | | | 9% |
| Junior | 1031 | 38% | 2.8 | 26 | 2.78 | 3% | | | 15% |
| Senior | 915 | 34% | 3.05 | 23 | 3.11 | 3% | | | 31% |
| Demographic and cumulative grade comparisons were made to examine the similarities of the sampled students, all students enrolled in the selected courses, and all undergraduate students enrolled at SU. Overall, cumulative grades were similar across most comparison groups. However, the average cumulative grade point average (GPA) for SU native juniors was significantly lower than the cumulative GPA for SU native juniors sampled for this assessment. Additionally, the cumulative GPA for sophomore transfer students enrolled at SU in fall 2011 was significantly lower than the cumulative GPA for sophomore transfer students sampled for this assessment. Thus, results for these two groups *may* overestimate the ability of the average SU student. | | | | | | | | | |