



Analysis of Artifacts aligned to Marshall's Baccalaureate Degree Profile (BDP)

Academic Year 2021 – 2022

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Executive Summary

Background

Recommendations from the 2021 Assessment Team

The 2021 Summer Assessment Team made the following recommendations:

1. That we work with the Center for Teaching and Learning to form an interdisciplinary committee to review, and consider modifications to, our existing Baccalaureate Degree Profile (BDP) outcome, *Creative Thinking*. This outcome had the lowest performance in our assessment this year and these results mirrored those found for student performance on *Creative Thinking* in summers 2018 and 2017. The Summer Assessment Team has noted that, although we think it is important to have a rubric that works for all disciplines, our earlier efforts to do this may have resulted in a rubric that does not include appropriate evaluation criteria for creative productions, such as those developed by students in the creative arts (e.g., visual art and music). One member of the team suggested that we modify the outcome to include *creative production* and *creative problem-solving*. **This recommendation has not been carried out and should be a priority for academic year 2022-2023.**

2. That the Office of Assessment and Quality Initiatives complete an analysis of the alignment between undergraduate degree program outcomes and those of the BDP. Since programs have made these alignments by BDP trait, this analysis will help us to identify to which outcomes/traits our degree programs align most often. **This analysis is ongoing. Please refer to this year's recommendations at the end of the executive summary.**
3. That, following completion of point 2, we start the process of determining if modifications should be considered for outcomes of the BDP not mentioned in point 1. **Same as above.**
4. That we work with the General Education Council regarding strategies to ensure that faculty teaching Core I courses align the assignment (their Core I application indicated would be aligned) to the appropriate BDP outcome in Blackboard. This might include a communication strategy, e.g., presenting results of past assessments to the Faculty Senate and talking about why this process is important. It might include emphasizing the people available to help faculty make these alignments in Blackboard, e.g., the MU Online Design Center. **Please refer to this year's recommendations.**
5. That the Office of Assessment and Quality Initiatives continue to provide and distribute shorter reports in more digestible formats. We recommend that these reports be disseminated campus-wide through the Assessment Newsletter and shared with the Faculty Senate. **Please refer to this year's recommendations.**
6. That we work with the Center for Teaching and Learning and the General Education Council to consider wider involvement by faculty teaching core curriculum courses in the assessment of artifacts uploaded to Blackboard. This might take the form of a pilot year of using existing rubrics to assess samples of the student artifacts required for alignment to the Baccalaureate Degree Profile outcome they have chosen in Blackboard. Our hope is that, by using the university level rubrics to evaluate a sample of the artifacts they have asked students to complete, they will either suggest modifications to the rubric or they will ensure that their assignments align with the rubric being used. **This had not been completed.**

Procedures for 2022 Assessment

General Procedures

In May 2022 we evaluated student artifacts produced in response to course assignments aligned to *Intercultural Thinking*, *Ethical & Civic Thinking*, and *Communication Fluency*. A group of seven faculty representing several academic colleges from across the university evaluated a sample of these artifacts using rubrics adapted from Marshall's Baccalaureate Degree Profile outcomes. These rubrics are included in the supporting documentation. Our sample initially consisted of 336 artifacts, 112 per outcome.

Prior to beginning our assessment, we spent a day reviewing all assignments aligned to *Intercultural Thinking* and to *Ethical & Civic Thinking* to determine if there were assignments that either did not align to the outcome in question or did not align to one or more of its traits. Assignments that reviewers agreed did not align to the outcome were removed from the sample and reviewers were instructed to note the traits to which each assignment that remained in the sample did not align and to assign these artifacts scores of "not applicable" (N/A) for those

traits. Additionally, for artifacts that aligned to *Ethical & Civic Thinking*, evaluators were instructed to assign a score of “0” if they felt the assignment allowed the student to address the trait in question, but the evaluator felt that the student had not done so. The team collectively decided to eliminate one trait (context/audience) from the *Communication Fluency* rubric, but otherwise decided that, unless the course instructor directed otherwise, all artifacts should receive numerical scores for each of the remaining three traits. The following chart shows the total number of assignments (for artifacts aligned to *Intercultural Thinking* and to *Ethical & Civic Thinking*) that aligned to their respective outcome traits. We did not count assignments aligned to *Communication Fluency* due to their large number. Finally, the chart provides the number of artifacts that received scores for each outcome trait.

Outcome	Trait (MU rubric)	Total Assignments Aligned	Total Artifacts Aligned to Each Trait
Intercultural Thinking	Own and Other Cultures	22	107
	Communication with Others from Different Cultures	15	84
	Global Awareness	6	63
	Cultural Conflict	21	87
Total for Intercultural Thinking		23	341
Ethical & Civic Thinking	Ethical Self-Awareness	9	44
	Professional Rules and Standards of Conduct	6	37
	Civic Well-Being	17	102
	Complex Ethical Issues	6	36
Total for Ethical & Civic Thinking		18	219
Communication Fluency	Design/Organization	Multiple	111
	Diction	Multiple	109
	Communication Style	Multiple	110
Total for Communication Fluency		Multiple	330

Each artifact was evaluated by two independent reviewers. This project was coordinated by the Office of Assessment and Quality Initiatives.

Scoring Procedures

Evaluators assessed each artifact using the following scale:

Special Scoring Codes	
Score	Explanation
0	Note: This score was allowed only for artifacts that were assessed for <i>Ethical & Civic Thinking</i>. This score was only used when the evaluator/s saw no evidence of the trait in the student's work. When two reviewers agreed on scores of "0," the score was dropped from the final analysis.
Regular Scoring Codes	
These codes were given to artifacts that were aligned with appropriate outcomes/traits and contained enough information to allow assessment.	
1	The artifact demonstrated Level 1 performance.
2	The artifact demonstrated Level 2 performance.
3	The artifact demonstrated Level 3 performance.
4	The artifact demonstrated Level 4 performance.

Please see the supporting information that follows this summary to view the rubrics used and a detailed explanation of scoring procedures.

General Information about the Sample

Although the total sample numbered 336, one artifact, aligned to *Ethical & Civic Thinking*, was discarded due to scores of "0" on the aligned traits, and a second artifact, aligned to *Communication Fluency*, was not uploaded into Blackboard. Of the 334 scorable artifacts, 178 (53%) were drawn from courses at the 100/200 level, with the remaining 156 (47%) drawn from courses at the 300/400 level.

Results and Analysis

Results based on course level were as follows:

Intercultural Thinking				Ethical & Civic Thinking				Communication Fluency			
Trait	Course Level	Number	Mean (SD)	Trait	Course Level	Number	Mean (SD)	Trait	Course Level	Number	Mean (SD)
Own and Other Cultures	100/200	65	2.48 (0.62)	Ethical Self-Awareness	100/200	12	2.25 (0.81)	Design/Organization	100/200	59	2.53 (0.49)
	300/400	42	2.64 (0.46)		300/400	32	1.95 (0.79)		300/400	52	2.80 (0.54)
Communication with Others from Different Cultures	100/200	53	2.25 (0.72)	Professional Rules and Standards of Conduct	100/200	5	2.90 (0.89)	Diction	100/200	59	2.73 (0.42)
	300/400	31	2.55 (0.49)		300/400	32	2.52 (1.00)		300/400	50	2.97 (0.48)

Intercultural Thinking				Ethical & Civic Thinking				Communication Fluency			
Global Awareness	100/200	37	1.81 (0.73)	Civic Well-Being	100/200	48	2.34 (0.55)	Communication Style	100/200	59	2.53 (0.52)
	300/400	26	2.15 (0.83)		300/400	54	2.20 (0.70)		300/400	51	2.78 (0.47)
Cultural Conflict	100/200	48	2.15 (0.74)	Complex Ethical Issues	100/200	9	2.94 (0.63)				
	300/400	39	2.55 (0.57)		300/400	27	2.89 (0.68)				

For all traits of *Intercultural Thinking* and for *Communication Fluency*, students enrolled in courses at the 300/400 level had higher mean scores than did students enrolled in courses at the 100/200 level. For *Communication Fluency*, course level mean differences were significant for all traits. For *Ethical & Civic Thinking*, students in 300/400 courses did not perform significantly higher than students in 100/200 level courses. We note that most artifacts assessed for this outcome were from 300/400 level courses.

A perusal of the chart above shows mean performance for artifacts uploaded from 100/200 level courses ranged from 1.81 for *Intercultural Thinking: global awareness* to 2.94 for *Ethical & Civic Thinking: complex ethical issues*. These results should be interpreted with caution due to the small number of artifacts aligned to complex ethical issues and to the fact that there were no 100/200 level courses with “International” designations in this sample. Courses with “International” designations are required to address global awareness. Means for 300/400 level courses ranged from 1.95 for *Ethical & Civic Thinking: ethical self-awareness* to 2.97 for *Communication Fluency: diction*. No mean score reached 3.0.

Frequency Analysis

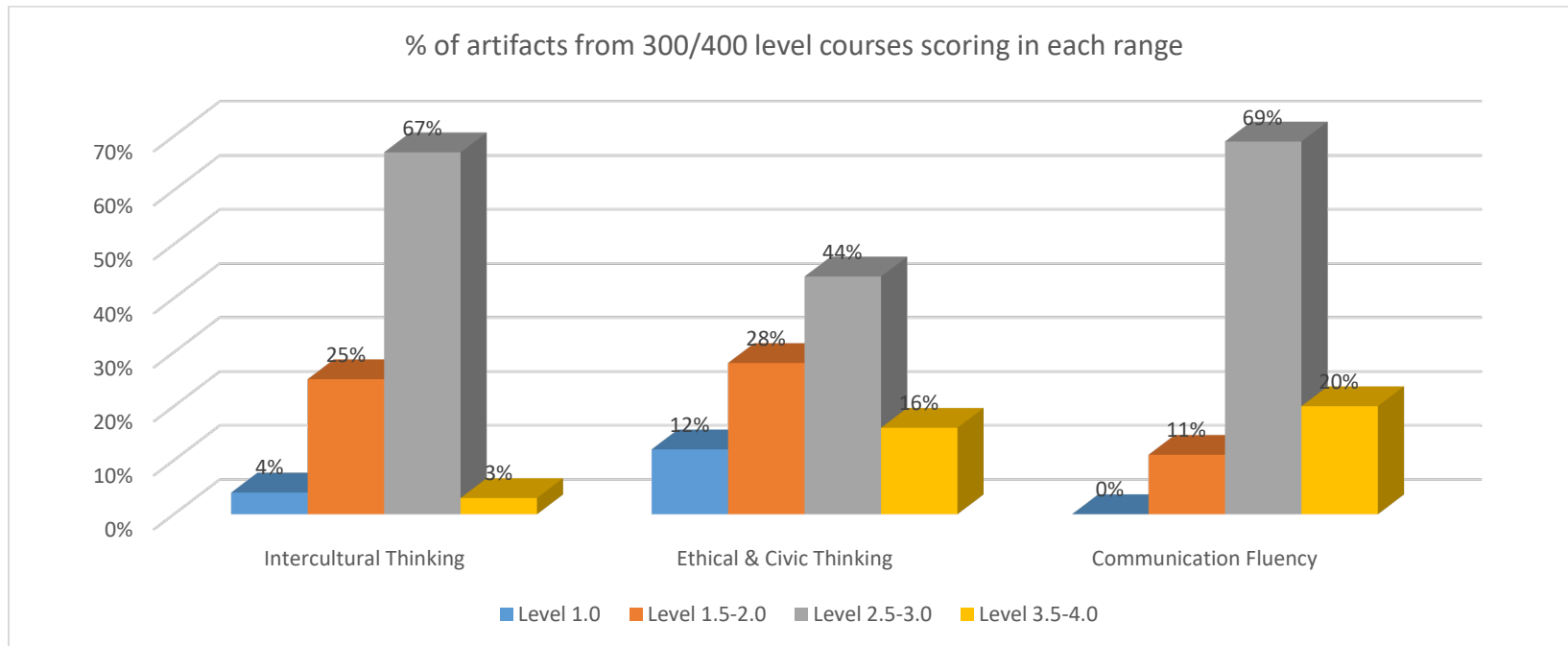
Intercultural Thinking					Ethical & Civic Thinking					Communication Fluency				
Trait	Course Level	% Scoring 3.5 to 4.0	% Scoring 2.5 to 4.0	% Scoring 1.5 to 4.0	Trait	Course Level	% Scoring 3.5 to 4.0	% Scoring 2.5 to 4.0	% Scoring 1.5 to 4.0	Trait	Course Level	% Scoring 3.5 to 4.0	% Scoring 2.5 to 4.0	% Scoring 1.5 to 4.0
Own & Other	100/200	2%	74%	94%	Self-Awareness	100/200	8%	50%	83%	Design	100/200	5%	75%	100%
	300/400	2%	81%	100%		300/400	6%	37%	78%		300/400	23%	85%	100%
Communication	100/200	0	62%	88%	Rules & Standards	100/200	40%	60%	100%	Diction	100/200	7%	88%	100%
	300/400	0	71%	100%		300/400	31%	62%	84%		300/400	26%	96%	100%
Global Awareness	100/200	0	27%	68%	Civic Well-Being	100/200	4%	58%	96%	Style	100/200	5%	80%	97%
	300/400	8%	50%	81%		300/400	4%	56%	89%		300/400	12%	88%	100%
Conflict	100/200	2%	50%	83%	Issues	100/200	33%	89%	100%	Overall	100/200	6%	81%	99%
	300/400	3%	72%	98%		300/400	33%	89%	100%		300/400	20%	89%	100%

Intercultural Thinking					Ethical & Civic Thinking					Communication Fluency				
Trait	Course Level	% Scoring 3.5 to 4.0	% Scoring 2.5 to 4.0	% Scoring 1.5 to 4.0	Trait	Course Level	% Scoring 3.5 to 4.0	% Scoring 2.5 to 4.0	% Scoring 1.5 to 4.0	Trait	Course Level	% Scoring 3.5 to 4.0	% Scoring 2.5 to 4.0	% Scoring 1.5 to 4.0
Overall	100/200	1%	57%	86%	Overall	100/200	11%	61%	95%					
	300/400	3%	70%	95%		300/400	16%	60%	88%					

While only 3% of students enrolled in 300/400 level courses received scores of 3.5 or higher on artifacts aligned to *Intercultural Thinking*, 70% of students from 300/400 level courses and 57% from 100/200 level courses received scores of 2.5 or higher. For *Ethical & Civic Thinking*, 16% and 11% of students enrolled in 300/400 and 100/200 level courses (respectively) received scores of 3.5 or higher, with 60% of students from 300/400 level courses and 61% from 100/200 level courses receiving scores of 2.5 or higher. For *Communication Fluency*, 20% of students enrolled in 300/400 level courses and 6% from courses at the 100/200 level received scores of 3.5 or higher, while 89% (300/400 level) and 81% (100/200 level) received scores ranging from 2.5 to 4.0.

Based on these results, improvement of performance over time appears to be strongest in *Communication Fluency*. The percentage of students scoring at least a 3.5 (meaning that at least one evaluator had assigned a score of “4”) rose 14% between 100/200 and 300/400 level classes. This compares to a 5% increase for *Ethical & Civic Thinking* and a 2% increase for *Intercultural Thinking*. It also is noteworthy that only 1% of 100/200 level artifacts in the sample (and no 300/400 level artifacts) received scores of 1.0 for *Communication Fluency*, while 5% and 12% of 100/200 and 300/400 level (respectively) received scores of 1.0 for *Ethical & Civic Thinking*. Finally, 14% and 4% (for 100/200 and 300/400 level courses respectively) received this low score on artifacts aligned to *Intercultural Thinking*. Taken together, it appears that at the 300/400 level fewer students have reached the highest level of performance for *Intercultural Thinking* than for the other two outcomes, but most have moved beyond a “baseline” level. On the other hand, based on performance in 300/400 level courses, it appears that, while more students scored at the highest level (16% scoring at 3.5-4.0), 12% were still at level 1 for *Ethical & Civic Thinking*. In 300/400 level courses, students demonstrated strongest performance in *Communication Fluency*, with no artifacts scoring at 1.0 and 20% at 3.5-4.0. Additionally, a majority (*Intercultural Thinking* and *Communication Fluency*) or a plurality (*Ethical & Civic Thinking*), of students enrolled in 300/400 level courses achieved scores in the 2.5-3.0 range, meaning that at least one evaluator had assigned their artifact a score of 3.0. Please refer to the graph on the following page.

BDP Analysis Graph



Results for Course Type

Analyzing results by course type posed several challenges. Courses analyzed this year could have more than one attribute (e.g., Critical Thinking [CT], Writing Intensive [WI], Core II, Capstone, Multicultural, International, Community-Based Learning, and Honors) in combination (and many did). So, when analyzing results by course type, we included all courses with the attribute we wanted to assess; this resulted in some courses being included in the analysis for more than one course type.

Critical Thinking (CT) Courses

CT courses in the assessment sample included those that aligned to each of the outcomes assessed. All CT courses are at the 100/200 level. Results are below:

Intercultural Thinking			Ethical & Civic Thinking			Communication Fluency		
Trait	Number	Mean (SD)	Trait	Number	Mean (SD)	Trait	Number	Mean (SD)
Own & Other	60	2.44 (0.63)	Self-Awareness	12	2.25 (0.81)	Design	36	2.58 (0.44)
Communication	48	2.18 (0.72)	Rules & Standards	5	2.90 (0.89)	Diction	36	2.78 (0.35)
Global Awareness	33	1.68 (0.66)	Civic Well-Being	48	2.34 (0.55)	Style	36	2.54 (0.50)
Conflict	44	2.06 (0.71)	Issues	9	2.90 (0.63)			

While, due to the relatively small /n/s for most traits of *Ethical & Civic Thinking*, the results should be interpreted with caution, mean scores for students in Marshall's CT courses suggest performance at level 2 or higher on all traits of *Ethical & Civic Thinking* and *Communication Fluency*, and on all but the global awareness trait of *Intercultural Thinking*.

Core II Courses

Core II courses in the assessment sample included those that aligned to each of the outcomes assessed. All Core II courses are at the 100/200 level, and many are also CT courses. Results are below:

Intercultural Thinking			Ethical & Civic Thinking			Communication Fluency		
Trait	Number	Mean (SD)	Trait	Number	Mean (SD)	Trait	Number	Mean (SD)
Own & Other	62	2.47 (0.62)	Self-Awareness	7	2.43 (0.84)	Design	51	2.51 (0.49)
Communication	50	2.23 (0.72)	Rules & Standards	0	N/A	Diction	51	2.73 (0.42)
Global Awareness	35	1.8 (0.71)	Civic Well-Being	48	2.34 (0.55)	Style	51	2.60 (0.42)
Conflict	45	2.13 (0.73)	Issues	4	2.88 (0.48)			

Mirroring results for CT courses, mean scores for students in Marshall's Core II courses suggest performance at level 2 or higher on all traits of *Ethical & Civic Thinking* (that were assessed) and *Communication Fluency*, and on all but the global awareness trait of *Intercultural Thinking*. We note that /n/s for all *Ethical & Civic Thinking* traits except civic well-being were very small.

Writing Intensive (WI) Courses

WI courses in the sample aligned to all outcomes assessed. Results are given below by course level:

Intercultural Thinking				Ethical & Civic Thinking				Communication Fluency			
Trait	Course Level	Number	Mean (SD)	Trait	Course Level	Number	Mean (SD)	Trait	Course Level	Number	Mean (SD)
Own & Other	100/200	20	2.75 (0.38)	Self-Awareness	100/200	3	1.83 (0.76)	Design	100/200	46	2.55 (0.50)
	300/400	24	2.54 (0.53)		300/400	21	2.05 (0.77)		300/400	49	2.82 (0.56)
Communication	100/200	16	2.68 (0.40)	Rules & Standards	100/200	0	N/A	Diction	100/200	46	2.72 (.044)
	300/400	13	2.31 (0.44)		300/400	21	2.88 (0.87)		300/400	47	2.98 (0.49)
Global Awareness	100/200	12	2.29 (0.66)	Civic Well-Being	100/200	35	2.37 (0.49)	Style	100/200	46	2.55 (0.52)
	300/400	23	2.13 (0.86)		300/400	38	2.32 (0.69)		300/400	48	2.78 (0.48)
Conflict	100/200	17	2.68 (0.43)	Issues	100/200	0	N/A				
	300/400	20	2.55 (0.58)		300/400	22	2.93 (0.68)				

The only mean score that fell below 2.0 was the mean for three artifacts at the 100/200 level that aligned to the ethical self-awareness trait of *Ethical & Civic Thinking*. This is too small a sample to draw conclusions; however, it is noteworthy that no mean, even for 300/400 level courses, reached 3.0, although several, e.g., 2.98 for *Communication Fluency: diction* at the 300/400 level, came close. Mean scores of all traits of *Communication Fluency* were significantly higher at the 300/400 level than at the 100/200 level.

Multicultural (MC) Courses

MC courses in the assessment sample aligned to all outcomes assessed. Results are given below:

Intercultural Thinking				Ethical & Civic Thinking			Communication Fluency			
Trait	Course Level	Number	Mean (SD)	Trait	Number	Mean (SD)	Trait	Course Level	Number	Mean (SD)
Own & Other	100/200	61	2.45 (0.61)	Self-Awareness	3	1.83 (0.76)	Design	100/200	22	2.57 (0.44)
	300/400	22	2.61 (0.46)					300/400	3	2.67 (0.29)
Communication	100/200	51	2.25 (0.72)	Rules & Standards	0	N/A	Diction	100/200	22	2.77 (0.40)
	300/400	22	2.57 (0.54)					300/400	3	3.00 (0.50)

Intercultural Thinking				Ethical & Civic Thinking			Communication Fluency			
Global Awareness	100/200	34	1.79 (0.72)	Civic Well-Being	44	2.36 (0.50)	Style	100/200	22	2.52 (0.52)
	300/400	1	1.50 (N/A)					300/400	3	2.50 (0.50)
Conflict	100/200	44	2.14 (0.73)	Issues	0	N/A				
	300/400	18	2.50 (0.59)							

Multicultural courses are expected to at least address the first two traits of *Intercultural Thinking*: own & other cultures and communication with others from different cultures. Scores for these traits were higher at the 300/400 level than at the 100/200 level, as was the mean for cultural conflict. Only artifacts at the 100/200 level aligned to *Ethical & Civic Thinking*, with most aligning to civic well-being.

International (INT) Courses

There were only five artifacts from INT courses in this assessment, all of which were drawn from courses at the 300/400 level. All artifacts aligned to the two traits of *Intercultural Thinking* (global awareness and cultural conflict) to which INT courses are supposed to align. Mean score across the five artifacts for both traits was 2.9, approaching level 3.

Intercultural Thinking			Communication Fluency		
Trait	Number	Mean (SD)	Trait	Number	Mean (SD)
Own & Other	0	N/A	Design	3	2.33 (1.04)
Communication	0	N/A	Diction	2	2.5 (0.00)
Global Awareness	5	2.90 (0.42)	Style	3	2.83 (0.58)
Conflict	5	2.90 (0.42)			

Community Based Learning (CBL) Courses: All CBL courses with artifacts in this sample were at the 300/400 level and all were aligned only to one (or more) traits of *Ethical & Civic Thinking*. Sample CBL artifacts most often addressed civic well-being and ethical self-awareness. It is noteworthy that mean performance across all traits of *Ethical & Civic Thinking* was lower for CBL courses than for other artifacts in the sample.

Ethical & Civic Thinking			
Trait	Type	Number	Mean (SD)
Self-Awareness	CBL	10	1.60 (0.66)
	Not CBL	34	2.16 (0.80)
Rules & Standards	CBL	7	1.50 (0.71)
	Not CBL	30	2.82 (0.87)
Civic Well-Being	CBL	14	1.86 (0.60)
	Not CBL	88	2.34 (0.62)
Issues	CBL	1	1.50 (N/A)
	Not CBL	35	2.94 (0.63)

Honors Courses

There were seven artifacts (5 from 100/200 level courses and 2 from 300/400 level courses) in our sample. Two 100/200 level artifacts aligned *Intercultural Thinking* and 3 to *Communication Fluency*. An additional 2 artifacts at the 300/400 level aligned to *Communication Fluency*.

Intercultural Thinking			Communication Fluency		
Trait	Number	Mean (SD)	Trait	Number	Mean (SD)
Own & Other	2	2.8 (0.35)	Design	5	2.6 (0.74)
Communication	2	2.75 (0.35)	Diction	5	3.1 (0.42)
Global Awareness	0	N/A	Style	5	3.0 (0.50)
Conflict	2	2.5 (0.00)			

While, due to the relatively small sample size, the results should be interpreted with caution, mean scores for students in Marshall's Honors courses ranged from 2.5 to 3.1.

Capstone Courses

There were 24 capstone papers in this sample, 14 of which aligned to *Ethical & Civic Thinking*, while 10 aligned to *Communication Fluency*.

Ethical & Civic Thinking			Communication Fluency		
Trait	Number	Mean (SD)	Trait	Number	Mean (SD)
Ethical Self-Awareness	14	2.04 (0.82)	Design/Organization	10	3.2 (0.42)
Rules & Standards of Conduct	14	2.79 (1.00)	Diction	10	3.3 (0.54)
Civic Well-Being	14	2.29 (0.83)	Communication Style	10	3.0 (0.24)
Complex Ethical Issues	14	3.11 (0.71)			

Due to /n/s of only fourteen and ten, the results should be interpreted with caution; however, mean scores for students in the capstone sample suggest performance between Levels 3 and 4 for all traits of *Communication Fluency* and for *Ethical & Civic Thinking*: complex ethical issues.

Conclusion

Overall Analysis

We used rubrics this year that measured student performance according to the level of sophistication they demonstrated in performance on each trait of the three Baccalaureate Degree Profile (BDP) outcomes assessed. BDP outcomes specify what students are expected to achieve at the time they receive their baccalaureate degrees. The proportion of artifacts from 300/400 level courses in our sample was larger than in past years, comprising 40% of the *Intercultural Thinking* sample, 66% of the *Ethical & Civic Thinking* sample, and 46% of the *Communication Fluency* sample. We were pleased that 89% of students who submitted artifacts from 300/400 level courses received overall scores of 2.5 or higher in

Communication Fluency (with 20% receiving scores of 3.5 to 4.0 and no scores of 1.0). Results for the other outcomes were mixed. While 70% of 300/400 level artifacts aligned to *Intercultural Thinking* received scores of 2.5 or higher, only 3% received scores of 3.5-4.0 and 4% received scores of 1.0, suggesting the most students, even those enrolled in 300/400 level courses, are not performing at the highest levels for this outcome. Sixty percent (60%) of 300/400 level artifacts aligned to *Ethical & Civic Thinking* received scores of 2.5 or higher with 16% receiving scores of 3.5-4.0, but 12% received scores of 1.0 suggesting that, although a slight majority of students scored at least 2.5, a sizable proportion scored at the lowest level 1.0.

A score of 2.5 indicates that at least one rater assigned a score of Level 3 to the artifact, a score of 3 indicates that both raters assigned a score of Level 3.0, a score of 3.5 indicates that at least one rater assigned a score of Level 4, and a score of 4.0 indicates that both raters assigned a score of Level 4.

When examining mean performance across all artifacts, we noted that, for *Intercultural Thinking*, global awareness emerged as a relative weakness (*mean* = 1.95; *n* = 63) among the traits of this outcome. Only 36% of the 63 artifacts received scores between 2.5 and 4.0 (as compared to 77% for own and other cultures, 65% for communication with other cultures, and 59% for cultural conflict).

For *Ethical & Civic Thinking*, 66% of artifacts were from 300/400 level courses, and means for artifacts from these courses ranged from 1.95 for ethical self-awareness to 2.89 for complex ethical issues.

Communication Fluency emerged as the strongest outcome, with students from 300/400 level courses scoring significantly higher than those from 100/200 level courses across all traits. Mean scores at the 300/400 level ranged from 2.78 for communication style to 2.97 for diction.

Course Type Analysis

Regarding performance by course type, we note that mean scores for students enrolled in critical thinking (CT) and Core II courses, all of which are at the 100/200 level, were greater than 2.0 on all traits except *Intercultural Thinking: global awareness*. It is important to note that there were no 100/200 level courses with designations of “International” in this analysis. International courses are required to address the global awareness trait of *Intercultural Thinking*. Mean scores represent average to above average performance for courses at this level.

For artifacts from Writing Intensive courses, means for all traits of *Communication Fluency* were significantly higher for artifacts from 300/400 than from 100/200 level courses. Likewise, means for artifacts from 300/400 level Multicultural courses were higher than those from 100/200 level courses. There were too few artifacts from courses with the designation of “International” to draw any conclusions about the impact these courses have on student learning at Marshall University.

Artifacts from Community-Based Learning courses scored lower than artifacts from courses without this designation on all traits of *Ethical & Civic Thinking*. Finally, students from the small sample of Capstone courses in this analysis achieved the only means that exceeded 3.0 – achieving means of 3.0 or higher on all traits of *Communication Fluency* and on *Ethical & Civic Thinking: Complex Ethical Issues*

Recommendations from the 2021 Assessment Team

The 2022 Summer Assessment Team made the following recommendations:

1. That we follow-up on the recommendation from the 2021 Summer Assessment Team that we work with the Center for Teaching and Learning to form an interdisciplinary committee to review, and consider modifications to, our existing Baccalaureate Degree Profile (BDP) outcomes to include, *Creative Thinking*, *Ethical & Civic Thinking*, and *Intercultural Thinking*. *Creative Thinking* had the weakest performance of the outcomes assessed in summer 2021, and these results mirrored those found for student performance on *Creative Thinking* in summers 2018 and 2017. The Summer Assessment Team has noted that, although we think it is important to have a rubric that works for all disciplines, our earlier efforts to do this may have resulted in a rubric that does not include appropriate evaluation criteria for creative productions, such as those developed by students in the creative arts (e.g., visual art and music). One member of the team suggested that we modify the outcome to include *creative production* and *creative problem-solving*.
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3. That, following completion of point 2, we start the process of determining if modifications should be considered for outcomes of the BDP not mentioned in point 1.
4. That the Office of Assessment and Quality Initiatives contact deans, chairs, and each instructor teaching a course with a multicultural or international designation regarding the need to align at least one course assignment with the appropriate BDP outcomes in Blackboard and require students to submit their assignment aligned artifacts to the assignment module in Blackboard.
5. That the Office of Assessment and Quality Initiatives continue to provide and distribute shorter reports in more digestible formats. We recommend that these reports be disseminated campus-wide through the Assessment Newsletter.
6. That we consider adding a section to each five-year program review that asks each program to report the number of courses they teach with International and Multicultural designations that have assignments aligned to the appropriate Baccalaureate Degree Profile outcomes in Blackboard with uploaded artifacts for university-wide assessment.



Supporting Documentation



Baccalaureate Degree Profile Artifact Assessment

Academic Year 2021 – 2022

Outcomes Assessed: MU Rubrics

Outcome	Abbreviation	Traits	Abbreviations
Intercultural Thinking	ICT	Own and Other Cultures	Own & Other
		Communication with Others from Different Cultures	Communication
		Global Awareness	Global Awareness
		Cultural Conflict	Conflict
Ethical and Civic Thinking	ECT	Ethical Self-Awareness	Self-Awareness
		Professional Rules and Standards of Conduct	Rules & Standards
		Civic Well-Being	Civic Well-Being
		Complex Ethical Issues	Issues
Communication Fluency	CF	Design/Organization	Design
		Diction	Diction
		Communication Style	Style

Course Types

Course Type	Abbreviation
Critical Thinking	CT
Multicultural	MC
International	INT
Writing Intensive	WI
Community Based Learning	CBL
Core II	Core II
Senior Capstone	Capstone
Honors	Honors

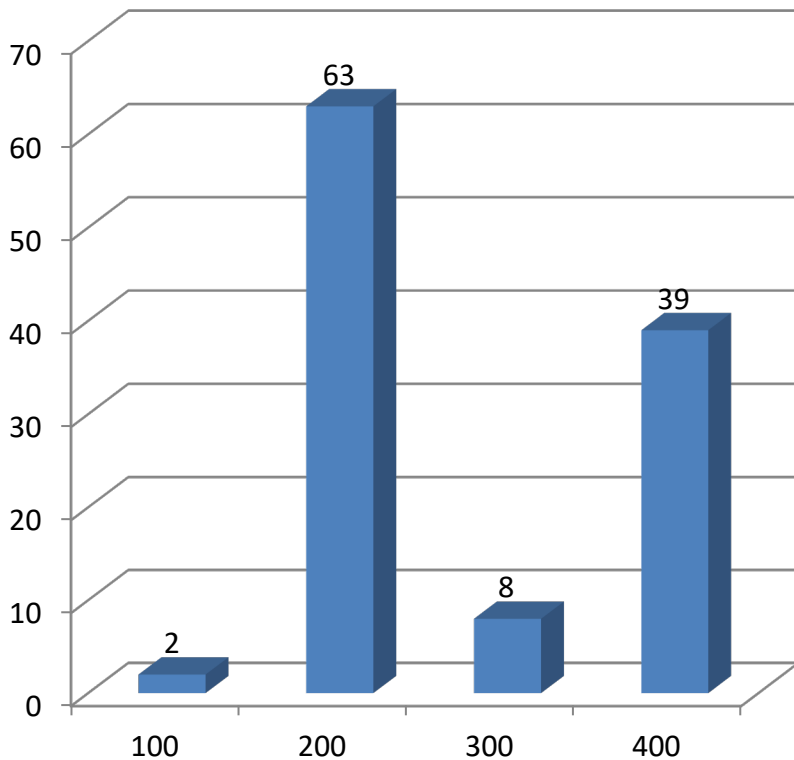
Population/Sample Comparisons for Marshall's Learning Outcomes by Course Level

Marshall Outcomes	Course Level = 100/200			Course Level = 300/400		
	Population	Sample	Percent	Population	Sample	Percent
Intercultural Thinking	473	65	14%	346	47	14%
Ethical and Civic Thinking	256	54	21%	196	58	30%
Communication Fluency	1,619	60	4%	962	52	5%
Total	2,348	179	8%	1,504	157	10%

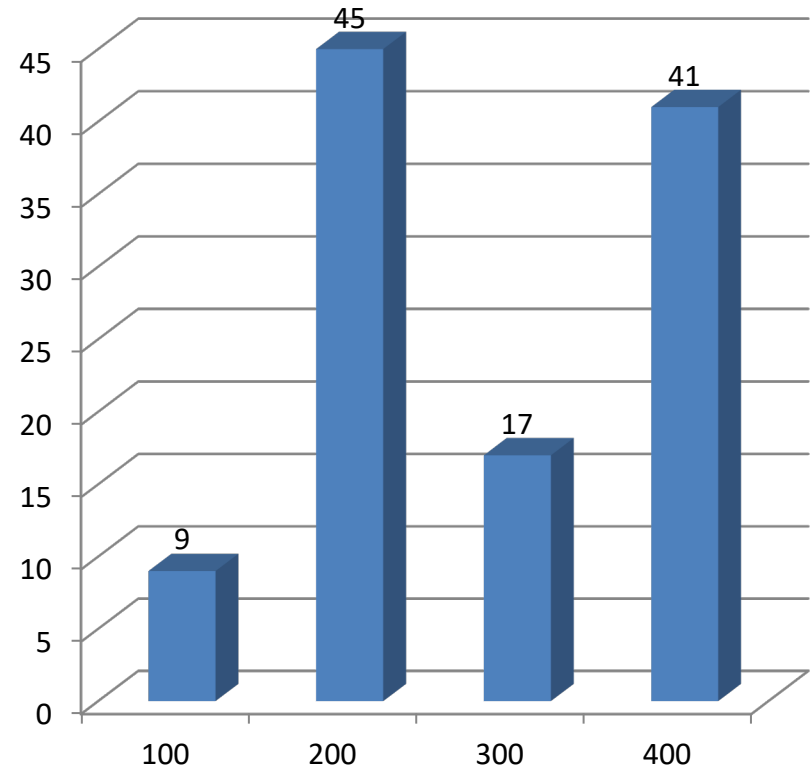
Sample Frequencies

Total # of artifacts assessed = 112 per outcome

**Course Level Frequencies:
Intercultural Thinking**



**Course Level Frequencies: Ethical
and Civic Thinking**

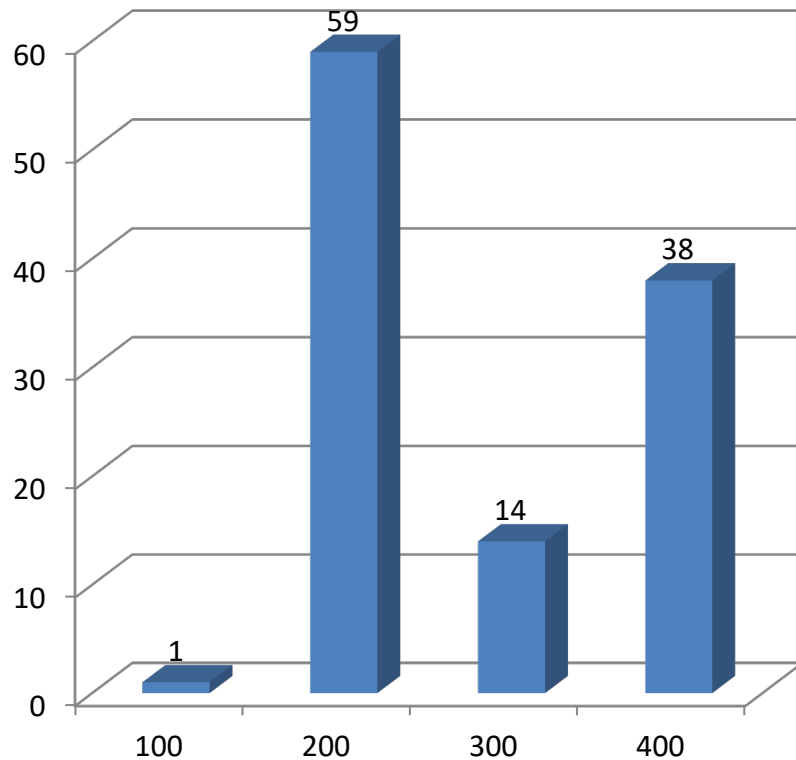


Sample Frequencies

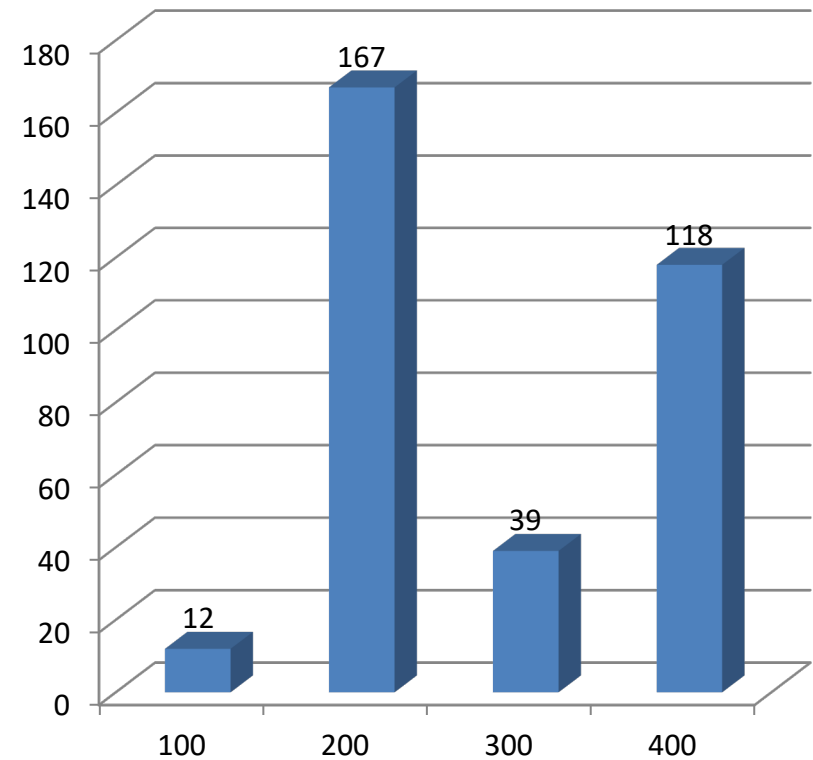
Total # of artifacts assessed = 112 per outcome

Total = 336

**Course Level Frequencies:
Communication Fluency**



**Course Level Frequencies: Total
across the three outcomes**



Review Procedures

- Each artifact had two independent raters and usable scores on the 1 – 4 scale were determined in the following manner:
 - If raters assigned the same score, that became the score for the artifact.
 - If raters' scores differed by one point, e.g., Rater 1 assigned a score of 1 and Rater 2 a score of 2, the final score was the mean, i.e., 1.5.
 - If raters' scores differed by more than one point, e.g., Rater 1 assigned a score of 1 and Rater 2 a score of 3, the raters met to discuss the rationale for their scores to see if they could agree on a score or, at minimum, scores that differed by no more than one point.
 - If raters' scores differed by more than one point and, after discussion, they were not able to resolve the differences, a third rater was assigned to review the artifact. (For this review, all raters were able to reconcile disagreements, so third raters were not needed).

Review Procedures

- During our norming sessions for *Intercultural Thinking* and for *Ethical & Civic Thinking*, we determined that some artifacts should only be scored for specific rubric traits. In some cases, course instructors provided these instructions (including for two artifacts aligned to *Communication Fluency*). In these cases, we assigned scores of N/A, which were not counted in our analyses of means or in our interrater reliability analyses. We did note disagreements between raters when one rater assigned a score of N/A and the other a score for traits that had not been flagged by the team or by the instructor as not being applicable.
- For *Ethical & Civic Thinking*, we also allowed scores of “0” if the rater felt the assignment allowed the student to produce work that aligned to the trait but, in the judgment of the reviewer, the student’s artifact did not address the trait. If both raters agreed on a score of “0” either initially or following discussion, we eliminated those scores from the analysis.

Interrater Reliability

- We conducted interrater reliability analyses using the Cohen's Kappa statistical procedure. In so doing, we used the following rules, similar to those suggested Stellmack, Kohneim-Kalkstein, Manor, Massey, & Schmitz (2009):
 - Since our scoring procedure was to average final scores between two raters when scores differed by only one point, we used that averaged score (e.g., 1.5) as the score for both raters, counting it as an agreement in the interrater reliability analysis.
 - For scores that were two or more points apart, the original score of each reviewer was used in the analysis. Therefore, these scores were counted as disagreements.
 - Any time one rater scored the artifact as *N/A* (when it was supposed to have a score) and another provided a score, the scores were counted as disagreements in the analysis.

Artifacts Excluded from Analysis of Means Due to Inability to Assess or Misalignment with Tagged Outcomes

Outcome	Total Artifacts	Total Artifacts Not Able to be Scored	Total Used for Analysis
Intercultural Thinking	112	0	112
Ethical and Civic Thinking	112	1 (artifact at 300-400 had two scorable traits, which both received scores of “0”).	111
Communication Fluency	112	1 (artifact at 100/200 level not uploaded)	111
Total	336	2	334

Revised Intercultural Thinking MU Rubric

Intercultural Thinking: Students will **evaluate** generalizations about cultural groups, **analyze** how cultural groups might affect communication across cultures, **evaluate** how specific approaches to global issues will affect multiple cultural communities or political institutions, and **untangle** competing economic, religious, social, political, or geographical interests of cultural groups in conflict.

Traits: Performance Indicators/Performance Levels	N/A	Level 1	Level 2	Level 3	Level 4
Own and Other Cultures: Evaluate generalizations about cultural groups.	Cannot assess due to issues with the assignment and/or the artifact.	Uses cultural stereotypes uncritically	Struggles with recognizing and articulating differences between individuals or groups grounded in culture	Accurately recognizes and articulates some differences between individuals or groups factually grounded in culture	Accurately evaluates and explains all differences between individuals or groups factually grounded in culture
Communication with Others from Different Cultures: Analyze how cultural groups might affect communication across cultures.	Cannot assess due to issues with the assignment and/or the artifact.	Mentions, but is unable to evaluate and explain how elements of culture (e.g. assumptions) affect forms of communication between individuals and groups	Struggles to evaluate and explain how elements of culture (e.g. assumptions) affect forms of communication between individuals and groups	Evaluates and explains how some elements of culture (e.g. assumptions) affect some forms of communication between individuals and groups	Evaluates and explains how elements of culture (e.g. assumptions) affect all forms of communication between individuals and groups
Global Awareness: Evaluate how specific approaches to global issues will affect multiple cultural communities or political institutions.	Cannot assess due to issues with the assignment and/or the artifact.	Mentions, but is unable to evaluate and explain how specific approaches to global issues have differential impact due to cultural or political interpretations (e.g. interests and values)	Struggles to evaluate and explain how specific approaches to global issues have differential impact due to cultural or political interpretations (e.g. interests and values)	Evaluates and explains how some approaches to global issues have differential impact due to cultural or political interpretations (e.g. interests and values)	Evaluates and explains how specific approaches to global issues have differential impact due to cultural or political interpretations (e.g. interests and values)
Cultural Conflict: Untangle competing economic, religious, social, political, or geographical interests of cultural groups in conflict.	Cannot assess due to issues with the assignment and/or the artifact.	Mentions, but is unable to compare and contrast some competing economic, religious, social, political, or geographical interests that are at the core of cultural conflict.	Struggles to compare and contrast some competing economic, religious, social, political, or geographical interests that are at the core of cultural conflict.	Compares and contrasts some competing economic, religious, social, political, or geographical interests that are at the core of cultural conflict.	Compares and contrasts the competing economic, religious, social, political, or geographical interests that are at the core of cultural conflict.

Revised Ethical and Civic Thinking MU Rubric

Outcomes of Marshall's Baccalaureate Degree Profile

Ethical and Civic Thinking: Students will **determine** the origins of core beliefs and ethical principles, **evaluate** the ethical basis of professional rules and standards of conduct, **evaluate** how academic theories and public policy inform one another to support civic well-being, and **analyze** complex ethical problems to address competing interests.

Traits: Performance Indicators/Performance Levels	N/A	Level 0	Level 1	Level 2	Level 3	Level 4
Ethical Self-Awareness: Determine the origins of core beliefs and ethical principles.	Cannot assess due to issues with the assignment and/or the artifact	No evidence in student paper, although assignment called for this trait.	Mentions core beliefs or ethical principles but does not indicate origins	Clearly indicates origins of core beliefs or ethical principles	Discusses origins of core beliefs or ethical principles	Thoroughly discusses origins of core beliefs or ethical principles and considers others' perspectives
Professional Rules and Standards of Conduct: Evaluate the ethical basis of professional rules and standards of conduct.	Does not consider professional rules or standard of conduct	No evidence in student paper, although assignment called for this trait.	Mentions professional rules or standards of conduct	Relates ethical basis to professional rules or standards of conduct	Discusses ethical basis of professional rules or standards of conduct and proposes a single solution or approach	Discusses ethical basis of professional rules or standards of conduct and considers alternative solutions or approaches
Civic Well-Being: Evaluate how academic theories and public policy inform one another to support civic well-being.	Considers neither academic theories nor public policy	No evidence in student paper, although assignment called for this trait.	Mentions academic theory or public policy without connecting to civic well-being	Connects either academic theory or public policy to civic well-being	Connects both academic theory and public policy to civic well-being	Thoroughly explains how academic theory and public policy inform one another to support civic well-being
Complex Ethical Issues: Analyze complex ethical problems to address competing interests.	Does not consider ethical problems or competing interests	No evidence in student paper, although assignment called for this trait.	Mentions ethical problems without considering competing interests	Mentions ethical problems while considering competing interests	Discusses ethical problems from the viewpoint of competing interests	Level 3 + Proposes possible approaches or solutions

Revised Communication Fluency MU Rubric

Outcomes of Marshall's Baccalaureate Degree Profile

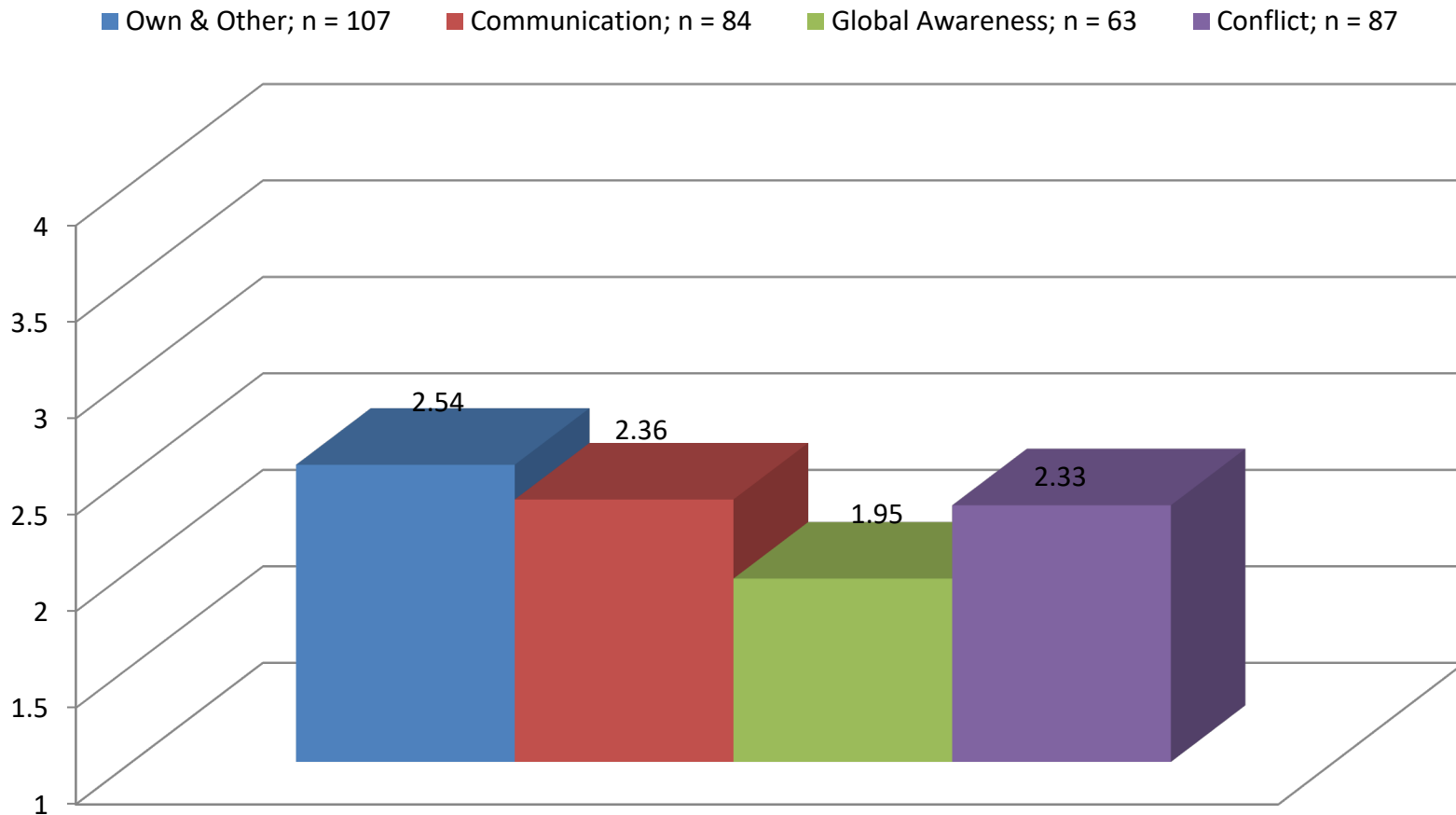
Communication Fluency: Students will **develop** cohesive oral, written, and visual communications **tailored** to specific audiences.

Traits: Performance Indicators/Performance Levels	Level 1	Level 2	Level 3	Level 4
Design/Organization: Fully develop the design/organization of the communication in a cohesive manner.	Little or no attempt to organize the artifact	Some attempt to organize the artifact	The artifact is well organized	The artifact is exceptionally well organized
Diction: With the audience in mind, choose a varied vocabulary that conveys the intended meaning of the communication.	Language/expression does not satisfy the conventions of the discipline and/or task(s)	Language/expression partially satisfies the conventions of the specific discipline and/or task(s)	Language/expression satisfies the conventions of the specific discipline and/or task(s)	Language/expression is executed at a professional level according to the specific discipline and/or task(s)
Communication Style: Use complex and varied sentences, concepts, or visual representations.	Uses language/expression that sometimes impedes meaning because of errors in usage	Uses language/expression that generally conveys meaning to readers with clarity, although writing may include some errors	Uses straightforward language/expression that conveys meaning to readers. The language has few errors.	Uses sophisticated language/expression that skillfully communicates meaning to readers with clarity and fluency, and is virtually error free

Intercultural Thinking

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score
(Although there were 98 artifacts in the analysis, not all artifacts aligned to every trait)

Overall Analysis



Intercultural Thinking

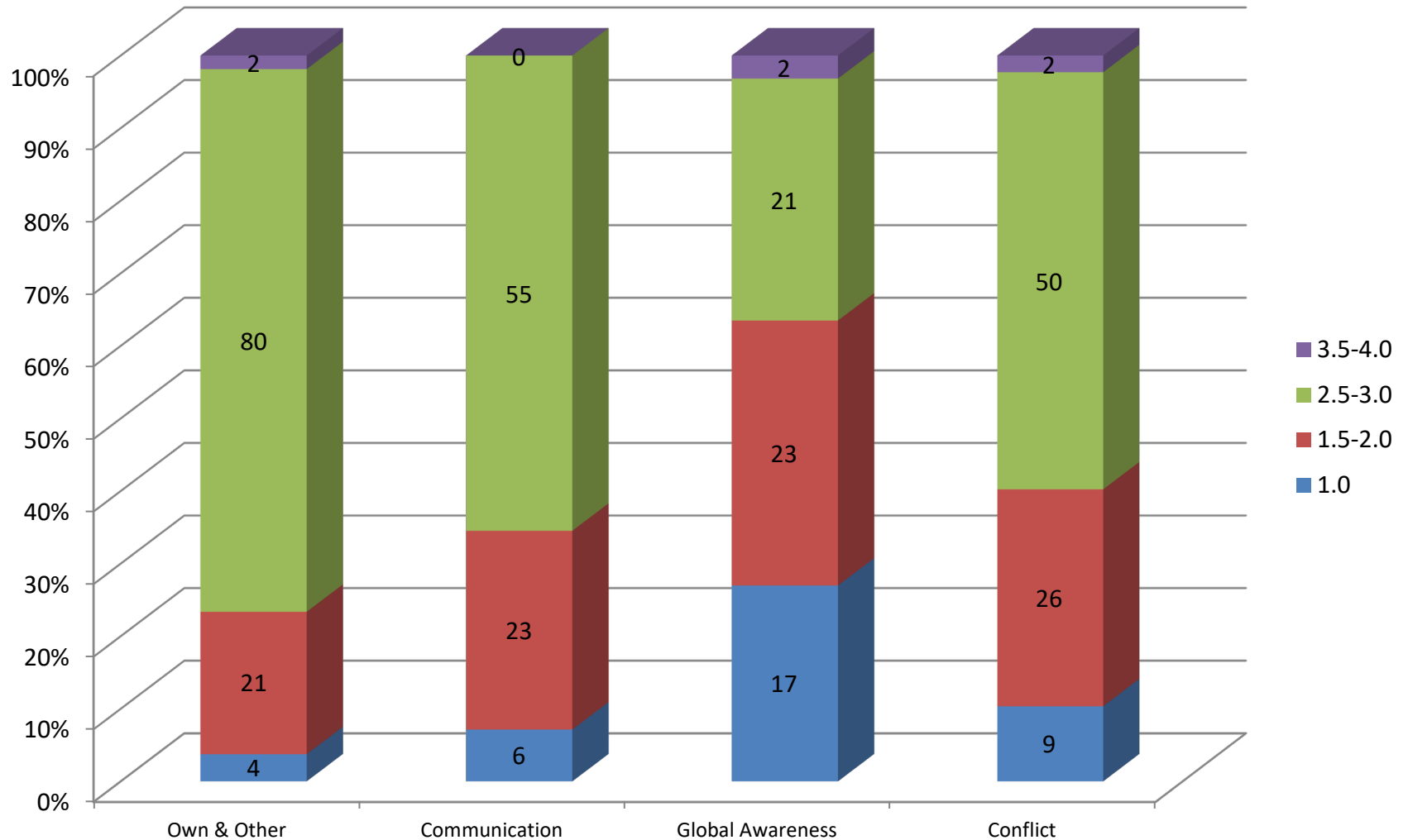
Frequency Analysis

Number of artifacts (with usable scores) scoring at each performance level

Trait/ Performance Level	Own & Other	Communication	Global Awareness	Conflict	Total
1.0	4 (4%)	6 (7%)	17 (27%)	9 (10%)	36 (11%)
1.5 – 2.0	21 (20%)	23 (27%)	23 (37%)	26 (30%)	93 (27%)
2.5 – 3.0	80 (75%)	55 (65%)	21 (33%)	50 (57%)	206 (60%)
3.5 – 4.0	2 (2%)	0	2 (3%)	2 (2%)	6 (2%)
Total Tags with Usable Scores	107 (100%)	84 (100%)	63 (100%)	87 (100%)	341 (100%)

Intercultural Thinking

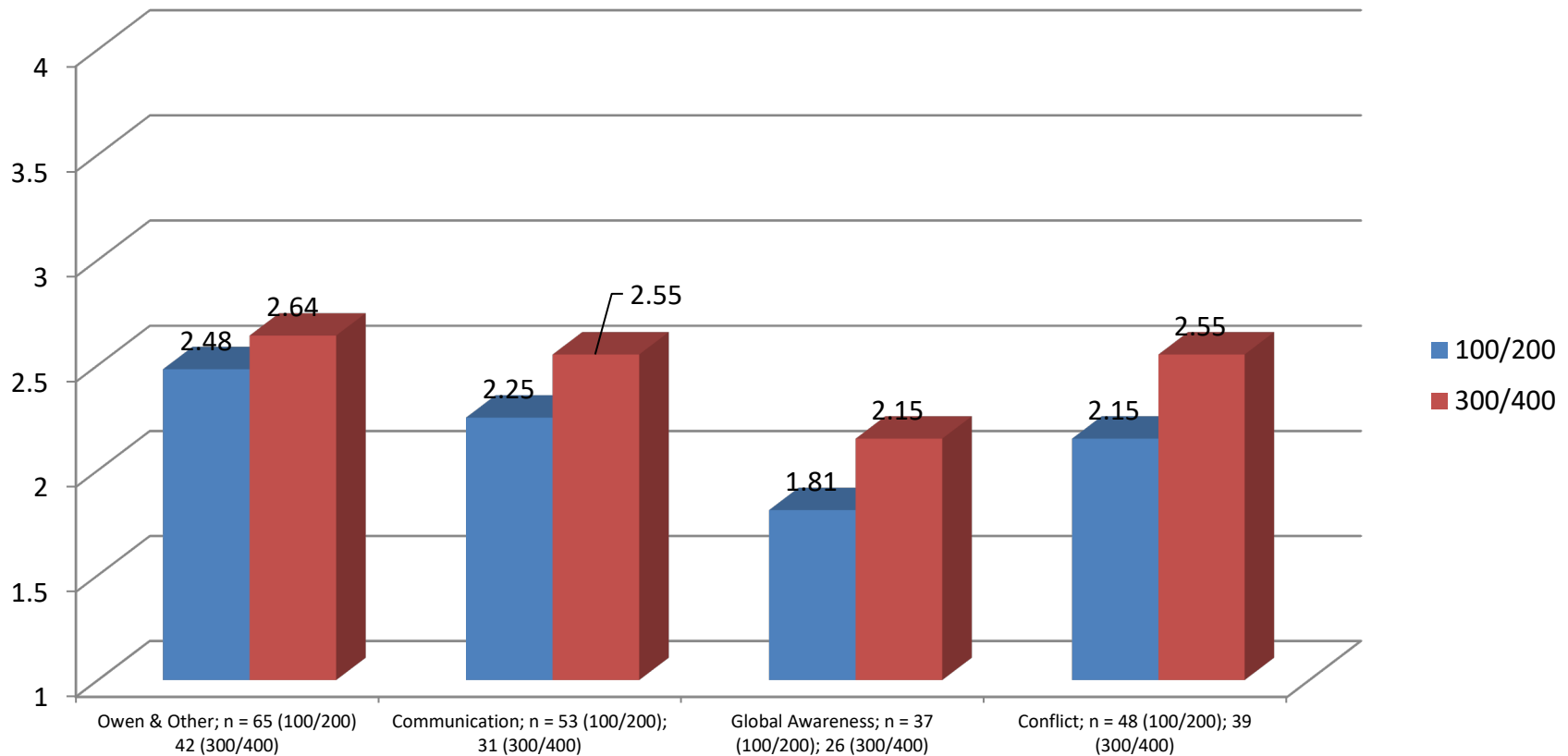
Frequency Analysis



Intercultural Thinking

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score

Course Level Analysis



Intercultural Thinking

Frequency Analysis by Course Level

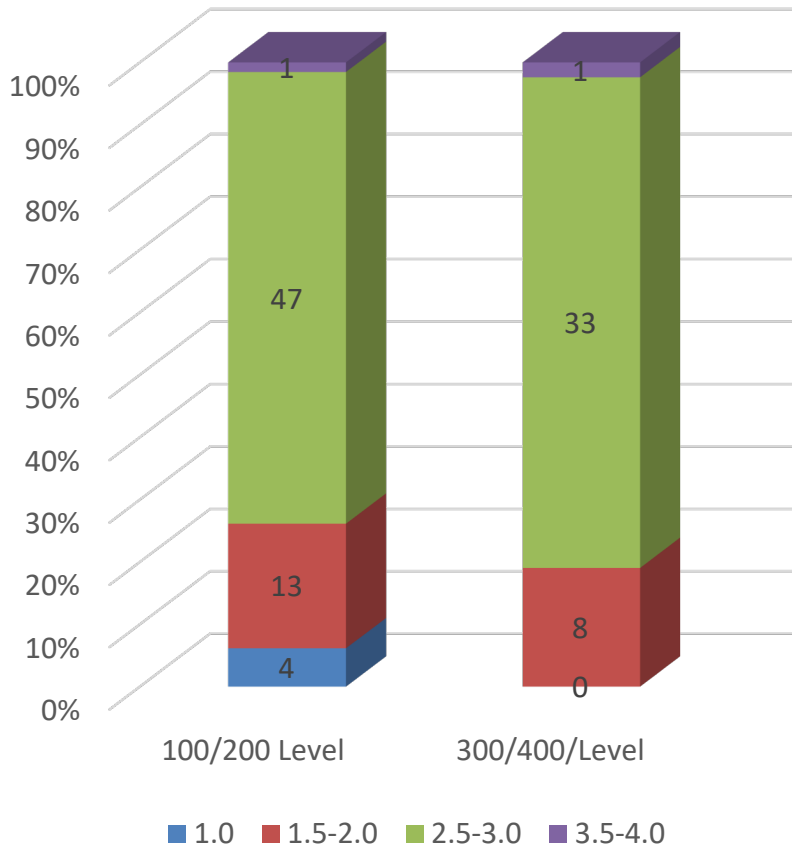
Number of artifacts (with usable scores) scoring at each performance level

Course Level	Trait/ Performance Level	Own & Other	Communication	Global Awareness	Conflict	Total
100/200	1.0	4 (6%)	6 (11%)	12 (32%)	8 (17%)	30 (15%)
300/400		0	0	5 (19%)	2 (3%)	6 (4%)
100/200	1.5 – 2.0	13 (20%)	14 (26%)	15 (41%)	16 (33%)	58 (29%)
300/400		8 (19%)	9 (29%)	8 (31%)	10 (26%)	35 (25%)
100/200	2.5 – 3.0	47 (72%)	33 (62%)	10 (27%)	23 (48%)	113 (56%)
300/400		33 (79%)	22 (71%)	11 (42%)	27 (69%)	93 (67%)
100/200	3.5 – 4.0	1 (2%)	0	0	1 (2%)	2 (1%)
300/400		1 (2%)	0	2 (8%)	1 (3%)	4 (3%)
100/200	Total with Usable Scores	65 (100%)	53 (100%)	37 (100%)	48 (100%)	203 (100%)
300/400		42 (100%)	31 (100%)	26 (100%)	39 (100%)	138 (100%)
All Course Levels	Grand Totals	107	84	63	87	341

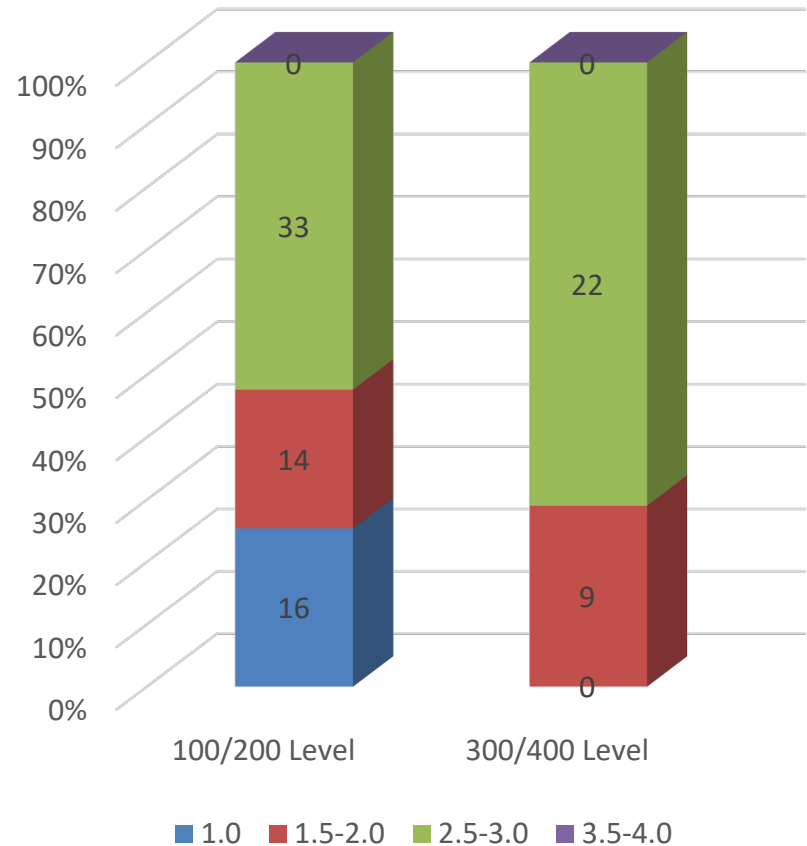
Intercultural Thinking

Frequency Analysis by Course Level

Own & Other



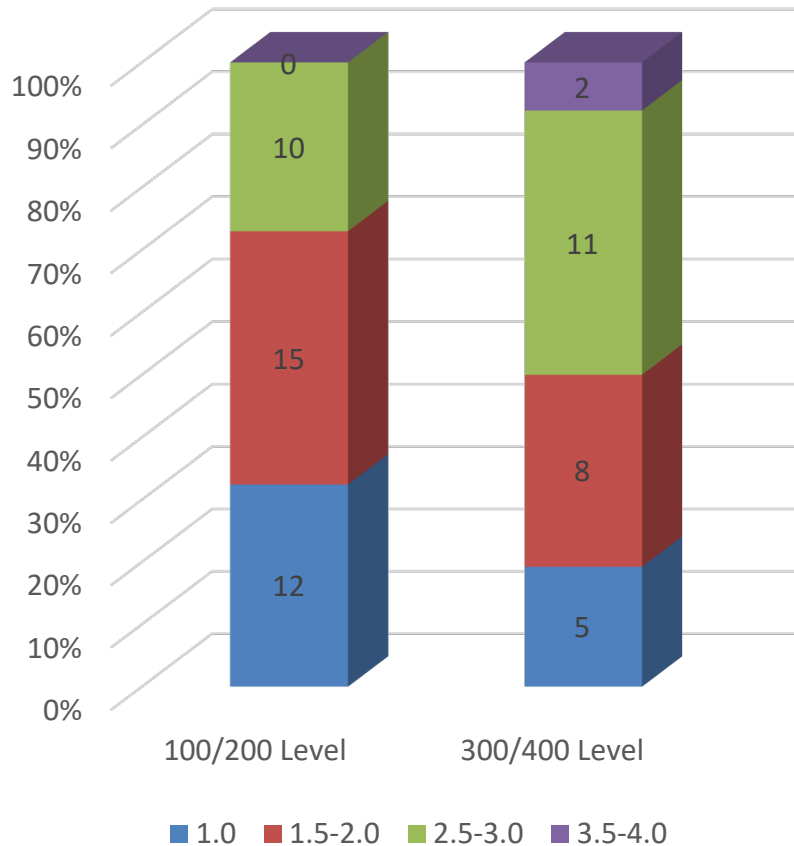
Communication



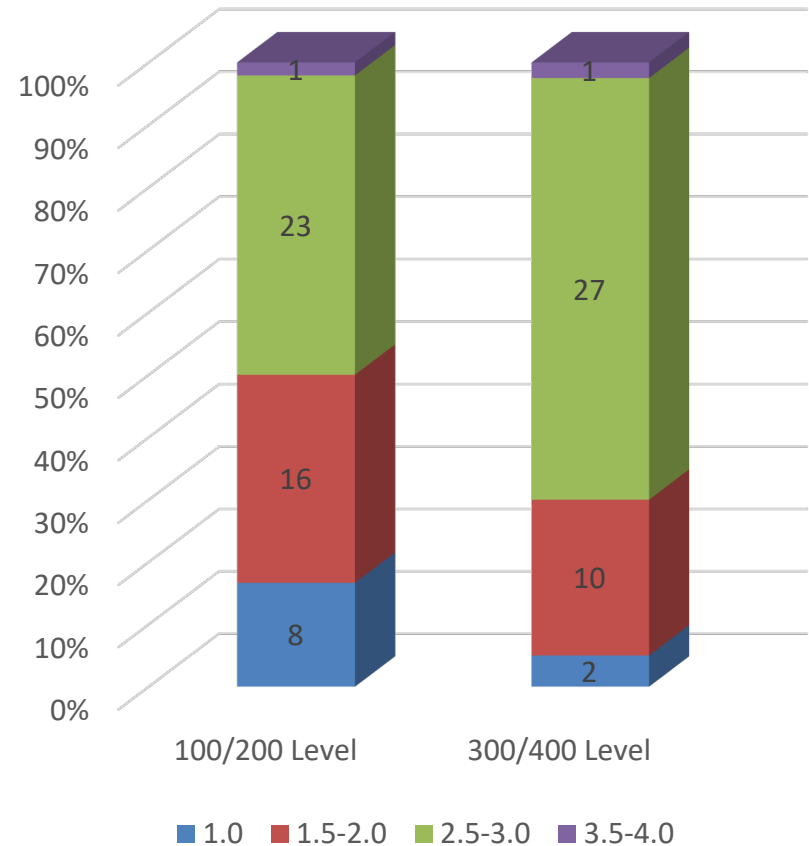
Intercultural Thinking

Frequency Analysis by Course Level

Global Awareness



Conflict



Intercultural Thinking

Inter-Rater Agreement Results

Trait/ Performance Level	Own & Other Cohen's Kappa (Liberal) = .908	Communication Cohen's Kappa (Liberal)= .792	Global Awareness Cohen's Kappa (Liberal)= .716	Conflict Cohen's Kappa (Liberal)= .782
Agree on score	60 (55%)	38 (43%)	29 (30%)	44 (45%)
Difference = 1 point	41 (37%)	32 (36%)	20 (20%)	31 (32%)
Difference = 2 points	7 (6%)	14 (16%)	10 (10%)	11 (11%)
Difference = 3 points	0	0	0	0
Agree on Not Aligned (N/A)	2 (2%)	5 (6%)	27 (28%)	6 (6%)
Score + Not Aligned (N/A)	0	0	12 (12%)	6 (6%)
Total	110 (100%)	89 (100%)	98 (100%)	98 (100%)

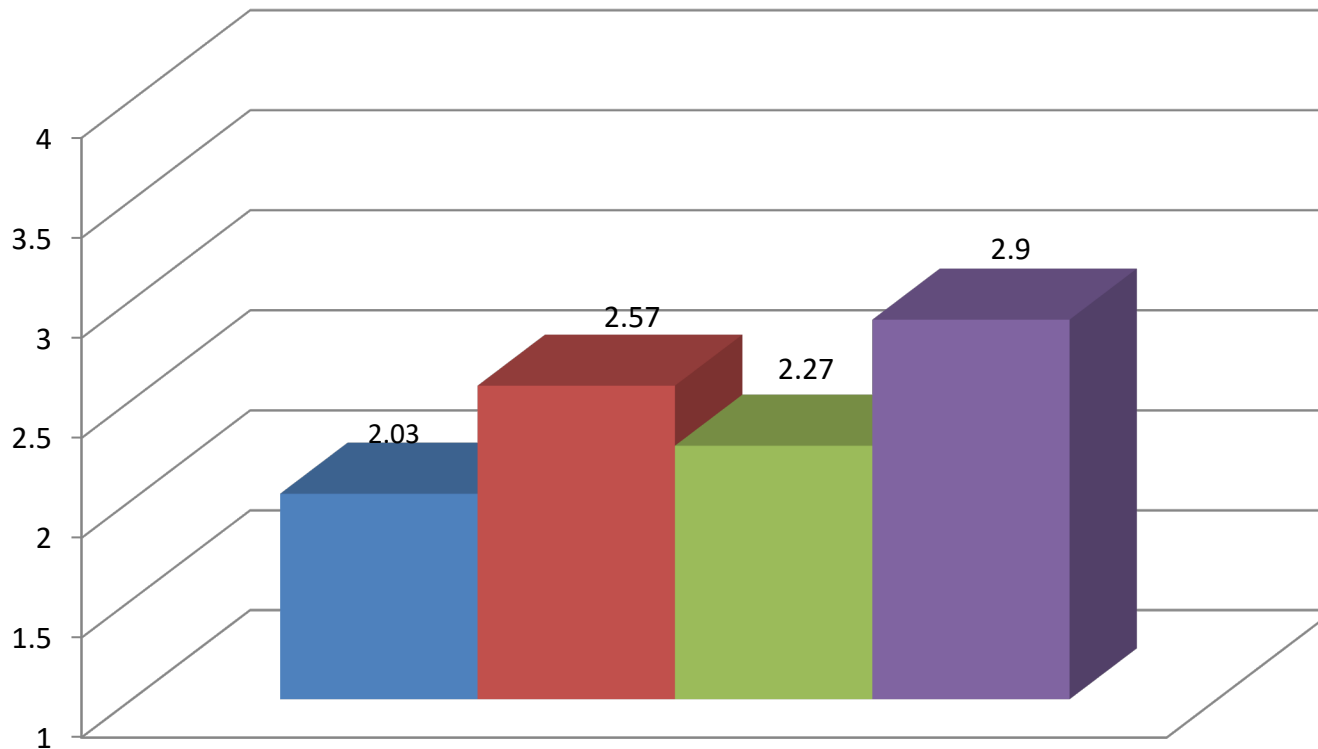
Ethical and Civic Thinking

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score.

(Although there were 111 artifacts in the analysis, not all artifacts aligned to every trait)

Overall Analysis

■ Self-Awareness (n = 44) ■ Rules & Standards (n = 37) ■ Civic Well-Being (n = 102) ■ Issues (n = 36)



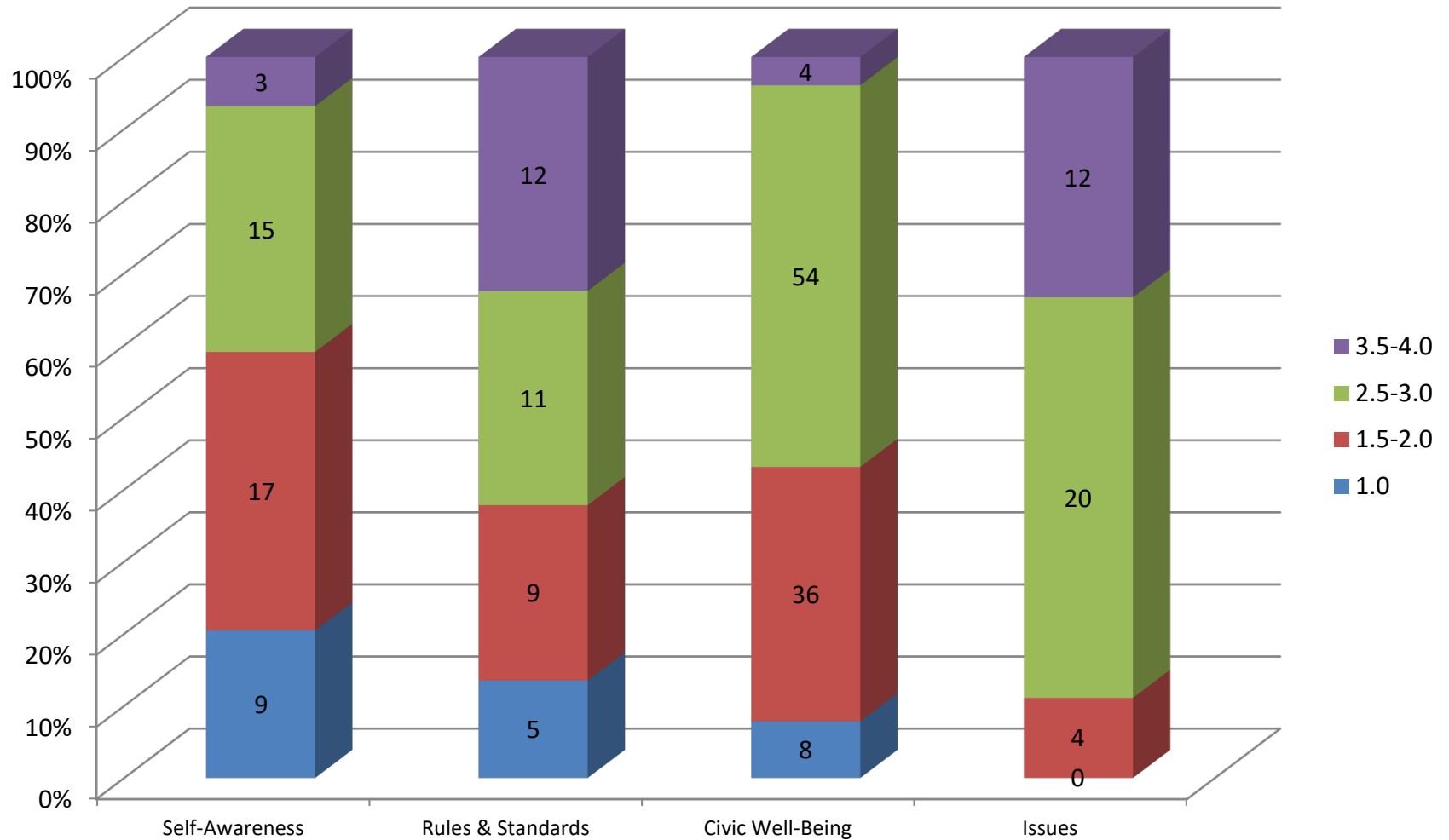
Ethical and Civic Thinking

Number of artifacts (with usable scores) scoring at each performance level

Trait/ Performance Level	Self-Awareness	Rules & Standards	Civic Well-Being	Issues	Total
1.0	9 (20%)	5 (14%)	8 (8%)	0	22 (10%)
1.5 – 2.0	17 (39%)	9 (24%)	36 (35%)	4 (11%)	66 (30%)
2.5 – 3.0	15 (34%)	11 (30%)	54 (53%)	20 (56%)	100 (46%)
3.5 – 4.0	3 (7%)	12 (32%)	4 (4%)	12 (33%)	31 (14%)
Totals	44 (100%)	37 (100%)	102 (100%)	36 (100%)	219 (100%)

Ethical and Civic Thinking

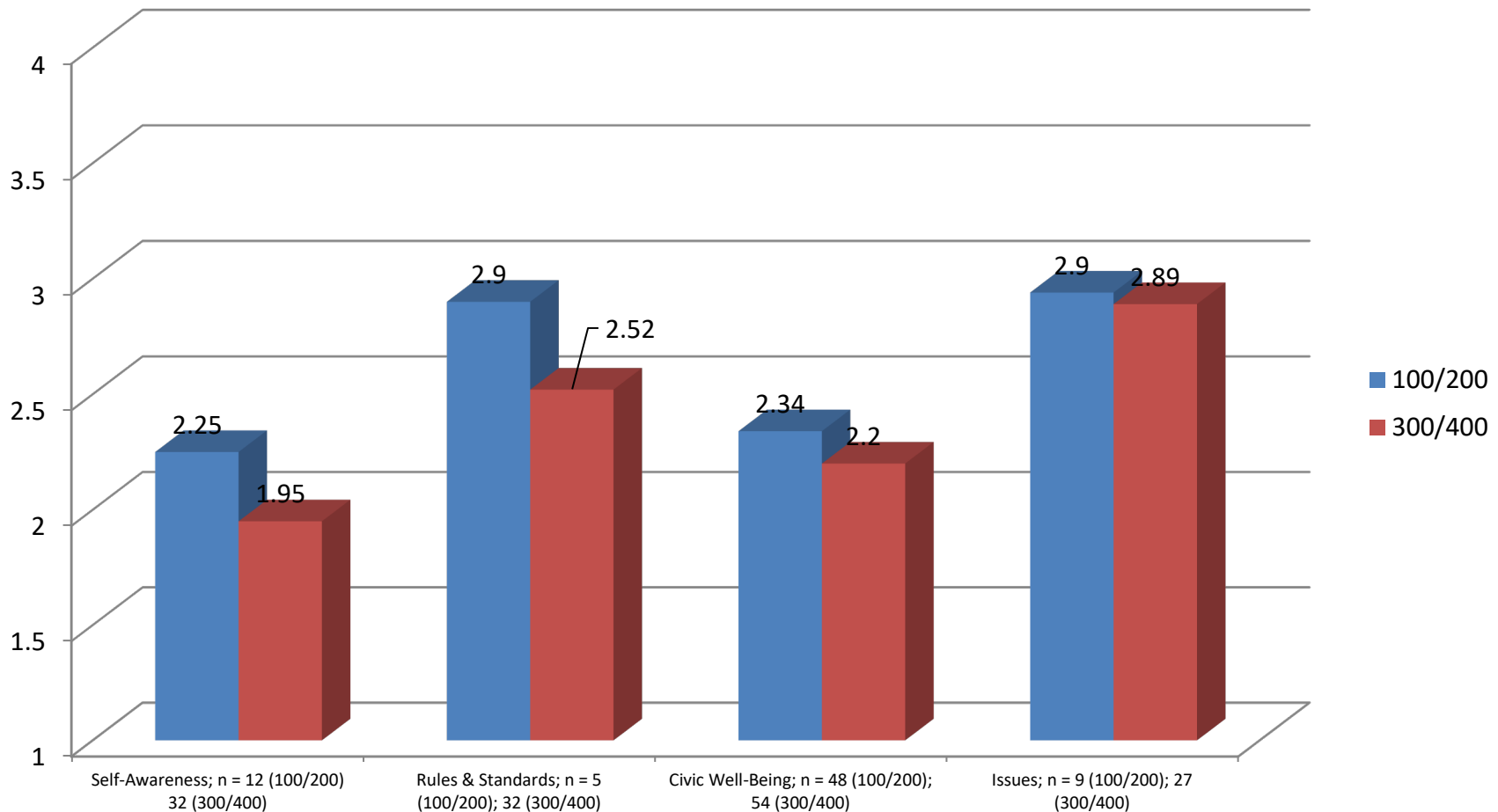
Frequency Analysis



Ethical and Civic Thinking: Course Level Analysis

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score

Course Level Analysis



Ethical and Civic Thinking

Frequency Analysis by Course Level

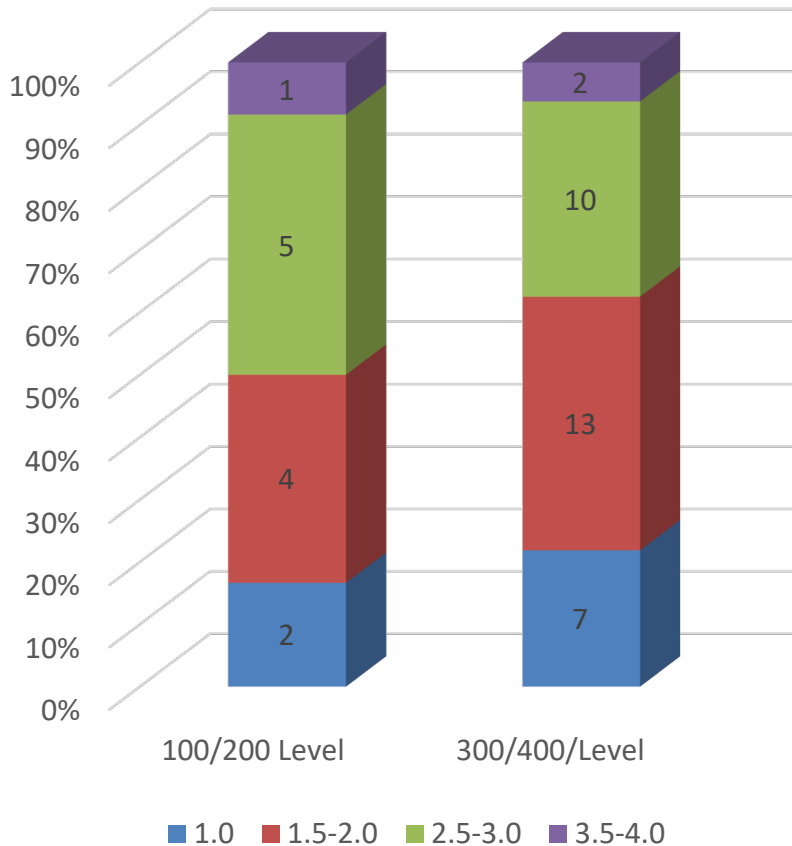
Number of artifacts (with usable scores) scoring at each performance level

Course Level	Trait/ Performance Level	Self-Awareness	Rules & Standards	Civic Well-Being	Issues	Total
100/200	1.0	2 (17%)	0	2 (4%)	0	4 (5%)
300/400		7 (22%)	5 (16%)	6 (11%)	0	18 (12%)
100/200	1.5 – 2.0	4 (33%)	2 (40%)	18 (38%)	1 (11%)	25 (34%)
300/400		13 (41%)	7 (22%)	18 (33%)	3 (11%)	41 (28%)
100/200	2.5 – 3.0	5 (42%)	1 (20%)	26 (54%)	5 (56%)	37 (50%)
300/400		10 (31%)	10 (31%)	28 (52%)	15 (56%)	63 (44%)
100/200	3.5 – 4.0	1 (8%)	2 (40%)	2 (4%)	3 (33%)	8 (11%)
300/400		2 (6%)	10 (31%)	2 (4%)	9 (33%)	23 (16%)
100/200	Totals	12 (100%)	5 (100%)	48 (100%)	9 (100%)	74 (100%)
300/400		32 (100%)	32 (100%)	54 (100%)	27 (100%)	145 (100%)
All Course Levels	Grand Totals	44	37	102	36	219

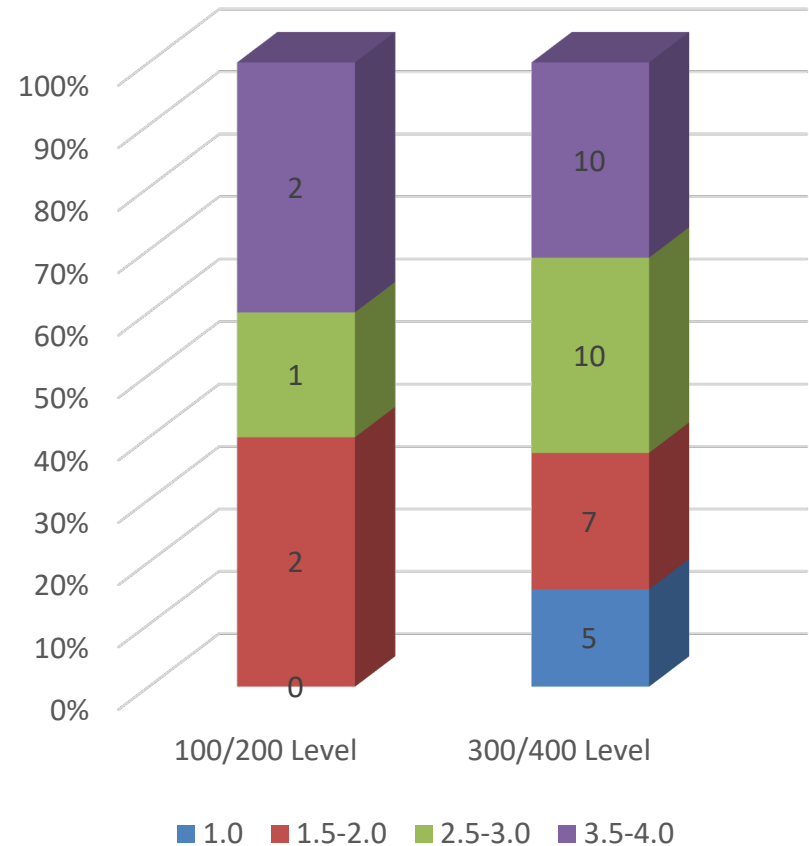
Ethical and Civic Thinking

Frequency Analysis by Course Level

Self-Awareness



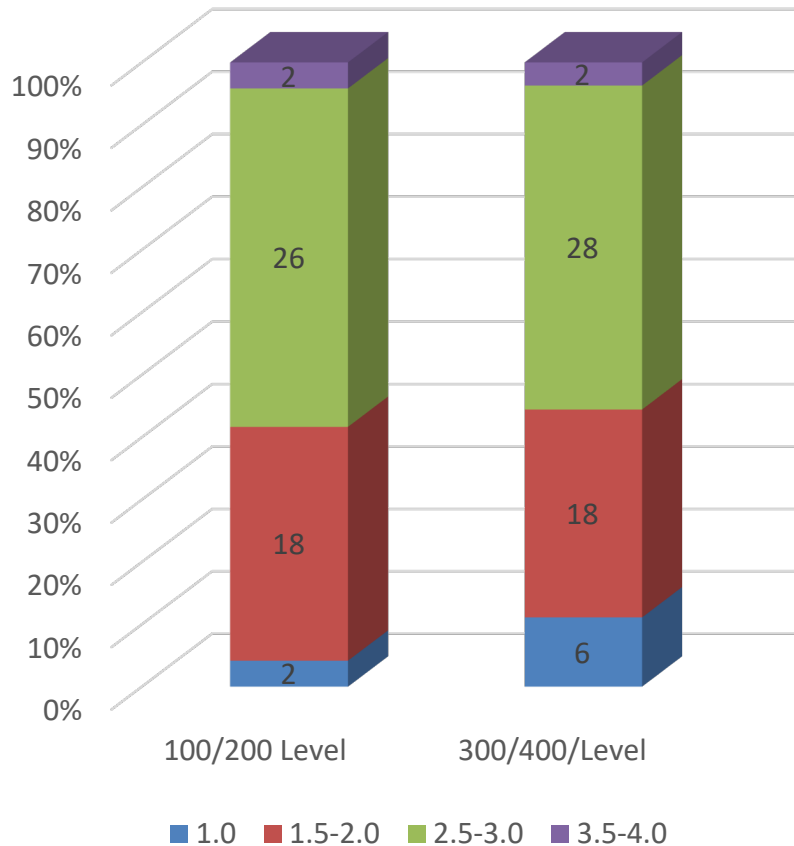
Rules & Standards



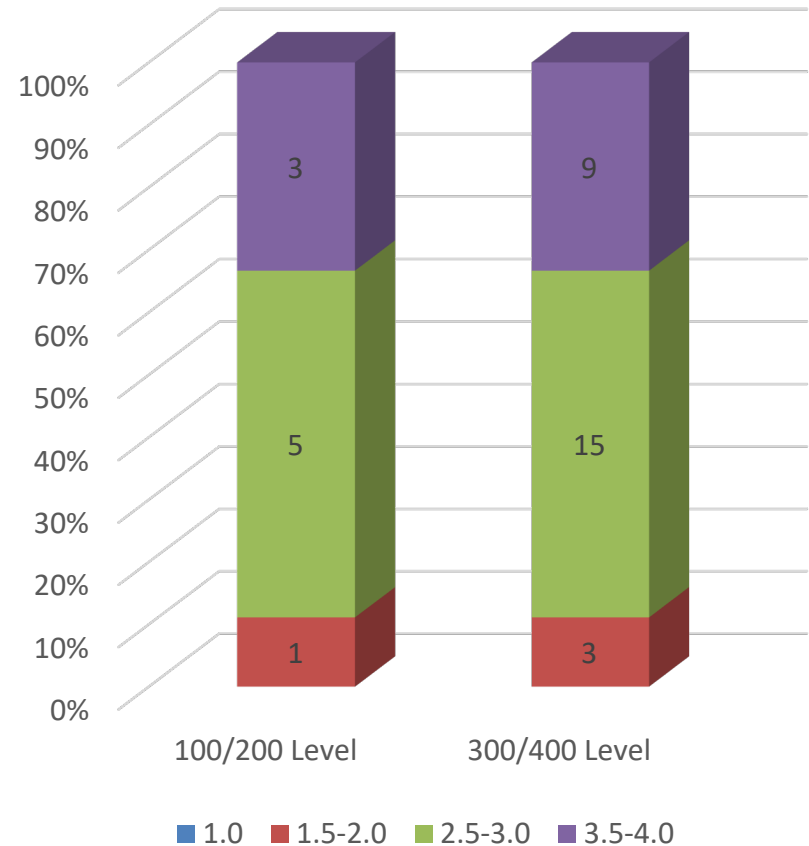
Ethical and Civic Thinking

Frequency Analysis by Course Level

Civic Well-Being



Issues



Ethical and Civic Thinking

Inter-Rater Agreement Results

Trait/ Performance Level	Self-Awareness Cohen's Kappa (Liberal)= .521	Rules & Standards Cohen's Kappa (Liberal)= .702	Civic Well-Being Cohen's Kappa (Liberal)= .568	Issues Cohen's Kappa (Liberal)= .870
Agree on score	11 (22%)	14 (36%)	30 (28%)	12 (32%)
Agree on score of "0"	2 (4%)	1 (3%)	2 (2%)	2 (5%)
Agree on "Not Aligned" (N/A)	0	0	1 (1%)	0
Difference = 1 point	17 (33%)	14 (36%)	35 (33%)	20 (53%)
Difference = 2 points	7 (14%)	6 15%)	18 (17%)	3 (8%)
Difference = 3 points	0	0	2 (2%)	0
Score + "0"	0	4 (10%)	9 (8%)	1 (3%)
Score + Not Aligned (N/A)	7 (14%)	0	8 (7%)	0
"0" + N/A	0	0	2 (2%)	0
Total	51 (100%)	39 (100%)	107 (100%)	38 (100%)

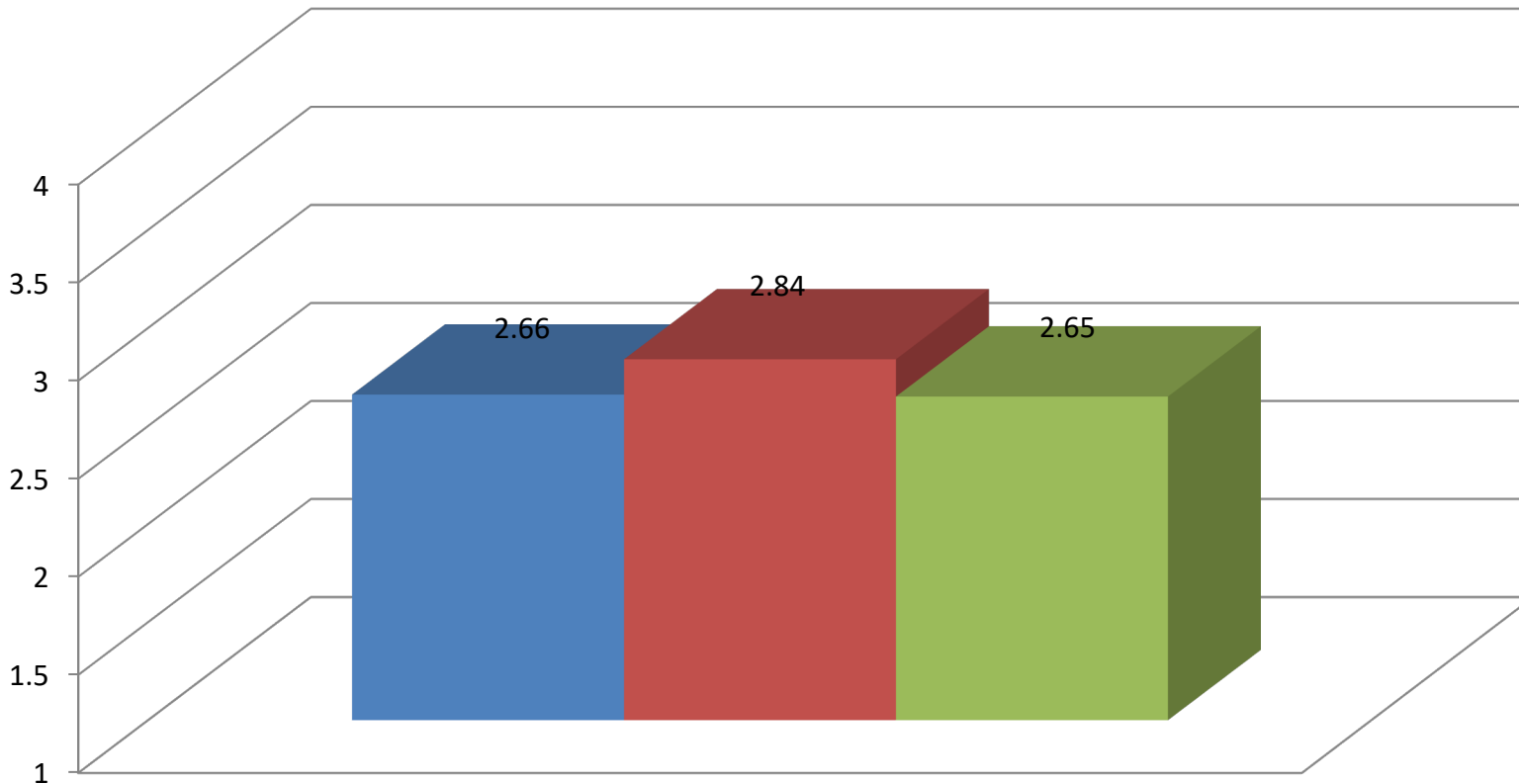
Communication Fluency

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score

(Although there were 107 artifacts in the analysis, not all artifacts aligned to every trait)

Overall Analysis

■ Design; n = 111 ■ Diction; n = 109 ■ Style; n = 110



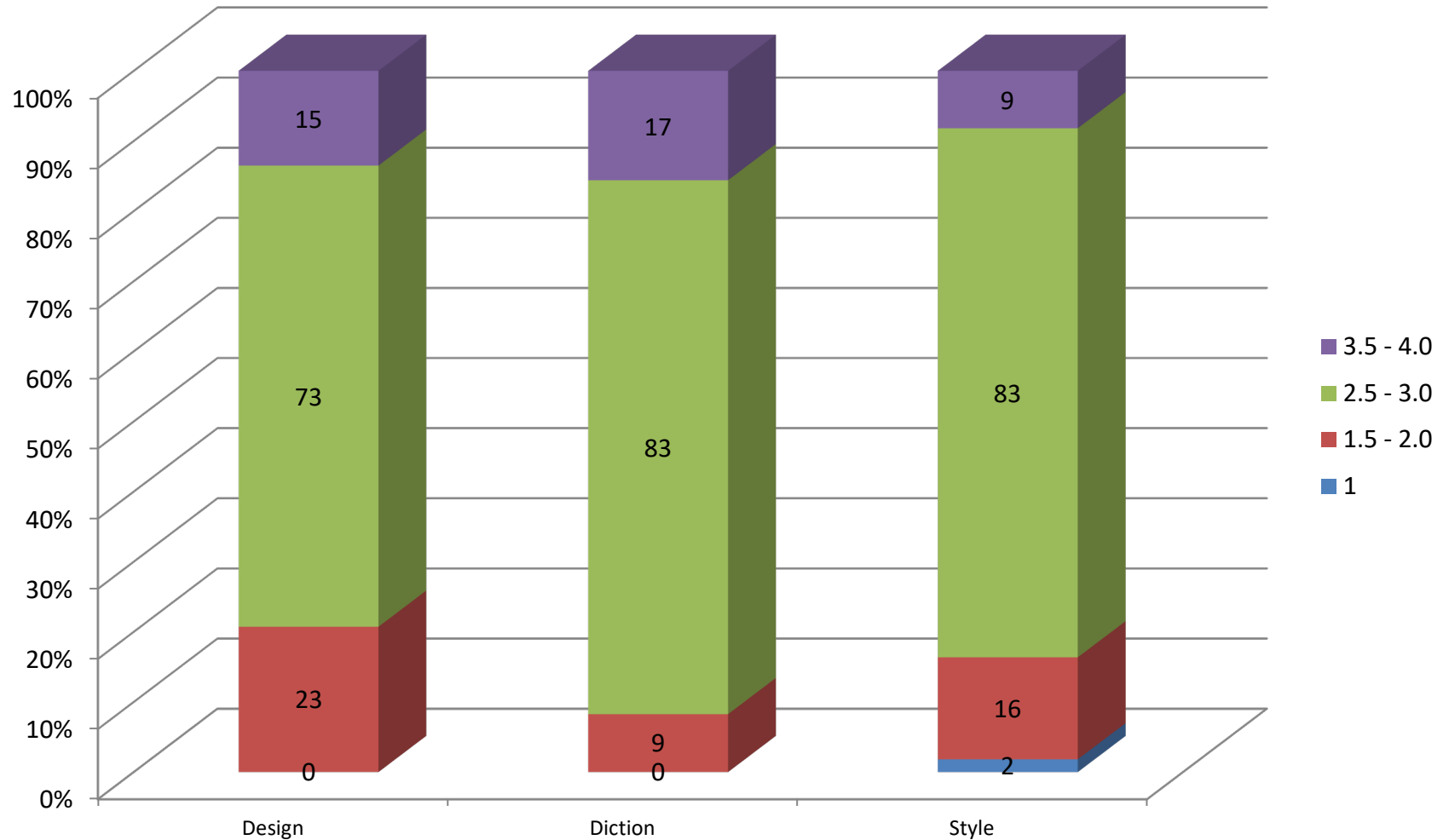
Communication Fluency

Number of artifacts (with usable scores) scoring at each performance level

Trait/ Performance Level	Design	Diction	Style	Total
1.0	0	0	2 (2%)	2 (1%)
1.5 – 2.0	23 (21%)	9 (8%)	16 (15%)	48 (15%)
2.5 – 3.0	73 (66%)	83 (76%)	83 (75%)	239 (72%)
3.5 – 4.0	15 (14%)	17 (16%)	9 (8%)	41 (12%)
Totals	111 (100%)	109 (100%)	110 (100%)	330 (100%)

Communication Fluency

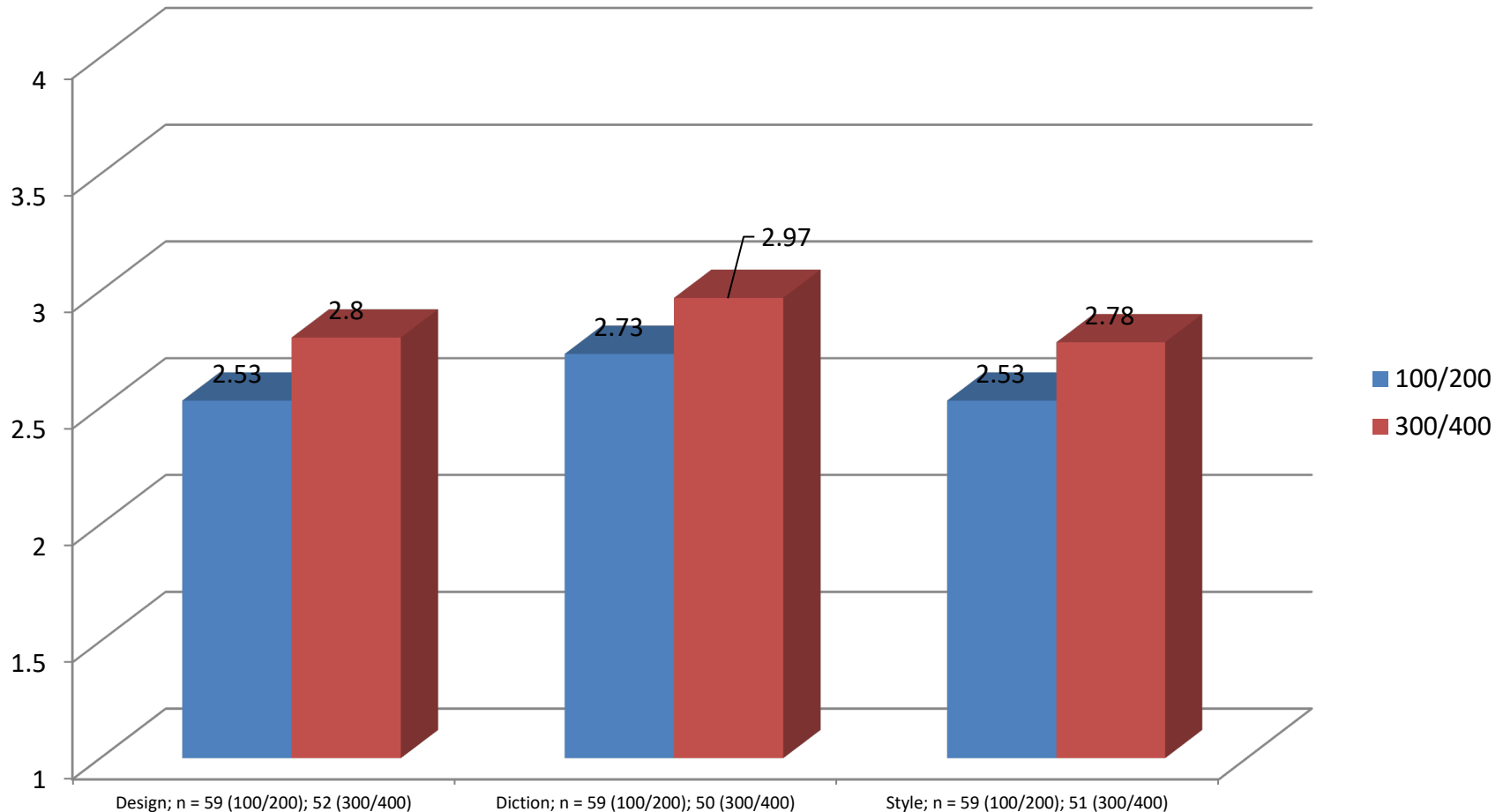
Frequency Analysis



Communication Fluency

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score

Course Level Analysis



Communication Fluency

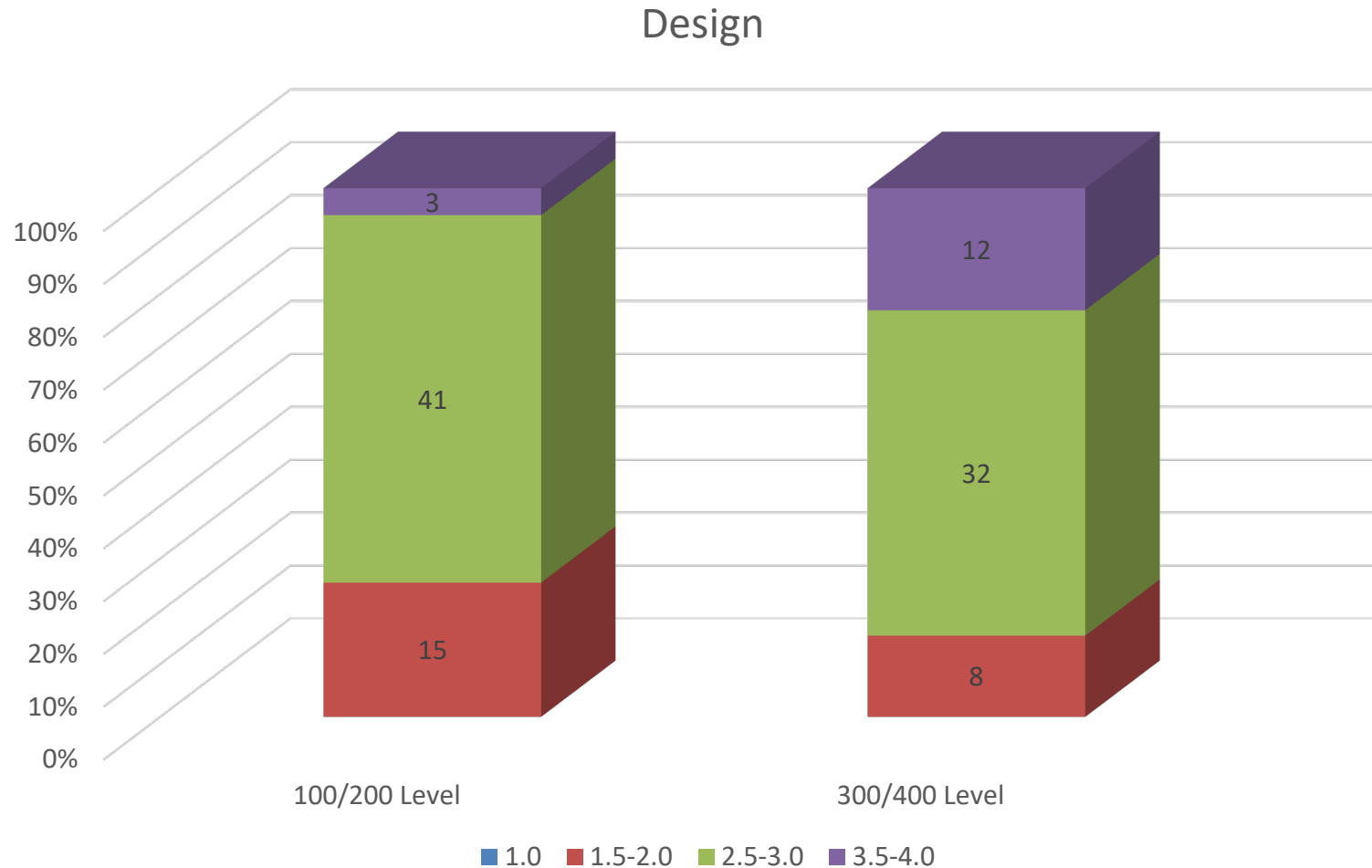
Frequency Analysis by Course Level

Number of artifacts (with usable scores) scoring at each performance level

Course Level	Trait/ Performance Level	Design	Diction	Style	Total
100/200	1.0	0	0	2 (3%)	2 (1%)
300/400		0	0	0	0
100/200	1.5 – 2.0	15 (25%)	7 (12%)	10 (17%)	32 (18%)
300/400		8 (15%)	2 (4%)	6 (12%)	16 (11%)
100/200	2.5 – 3.0	41 (70%)	48 (81%)	44 (75%)	133 (75%)
300/400		32 (62%)	35 (70%)	39 (76%)	106 (69%)
100/200	3.5 – 4.0	3 (5%)	4 (7%)	3 (5%)	10 (6%)
300/400		12 (23%)	13 (26%)	6 (12%)	31 (20%)
100/200	Total Tags with Usable Scores	59 (100%)	59 (100%)	59 (100%)	177 (100%)
300/400		52 (100%)	50 (100%)	51 (100%)	153 (100%)
All Course Levels	Grand Totals	111	109	110	330

Communication Fluency

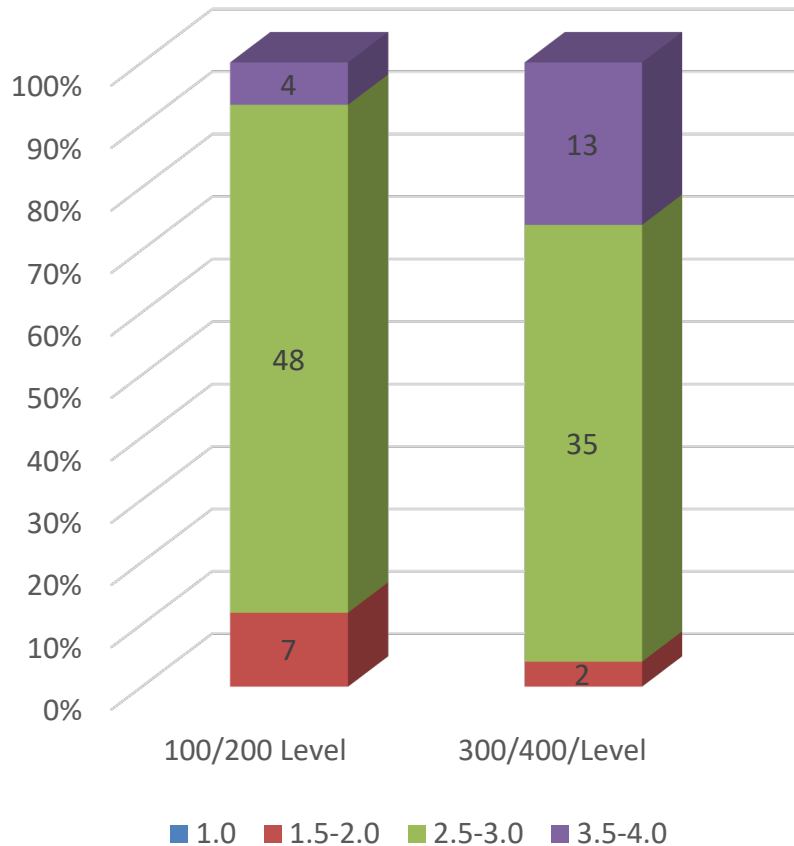
Frequency Analysis by Course Level



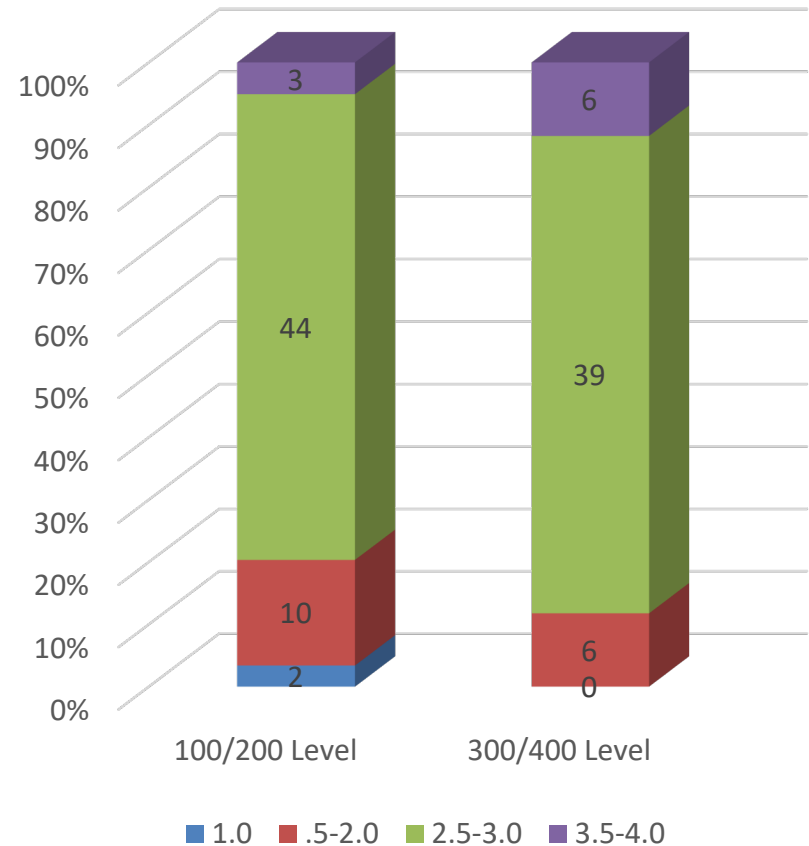
Communication Fluency

Frequency Analysis by Course Level

Diction



Style



Communication Fluency

Inter-Rater Agreement Results

Trait/ Performance Level	Design Cohen's Kappa (Liberal) = .939	Diction Cohen's Kappa (Liberal) = .973	Style Cohen's Kappa (Liberal) = .897
Agree on score	50 (45%)	56 (51%)	48 (44%)
Difference = 1 point	56 (50%)	49 (45%)	52 (47%)
Difference = 2 points	5 (5%)	2 (2%)	7 (6%)
Difference = 3 points	0	0	1 (1%)
Agree on Not Aligned or Unable to Score Due to Error	0	2 (2%)	2 (2%)
Score + Not Aligned	0	0	0
Total	111 (100%)	109 (100%)	110 (100%)



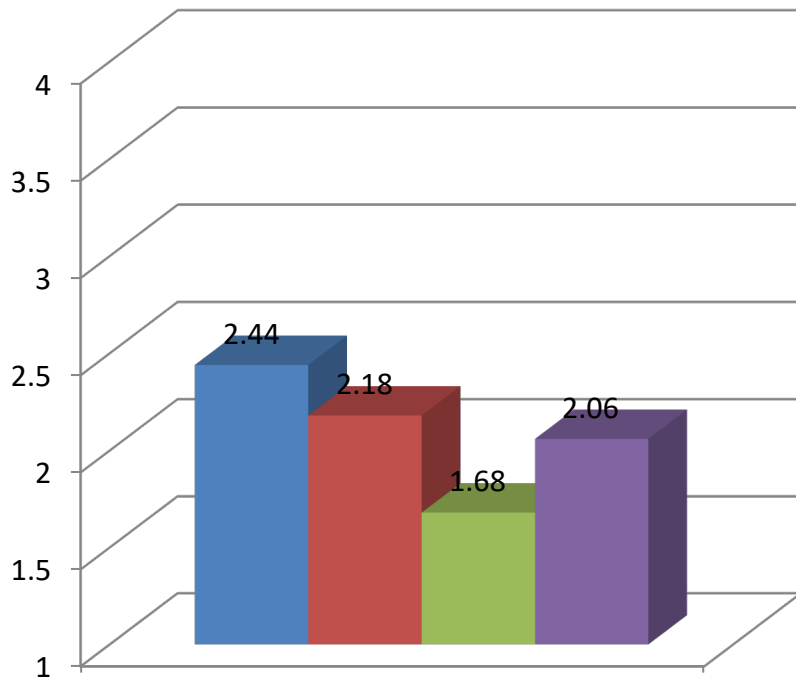
Course Type Analysis

CT Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. All CT courses are 100/200 Level.

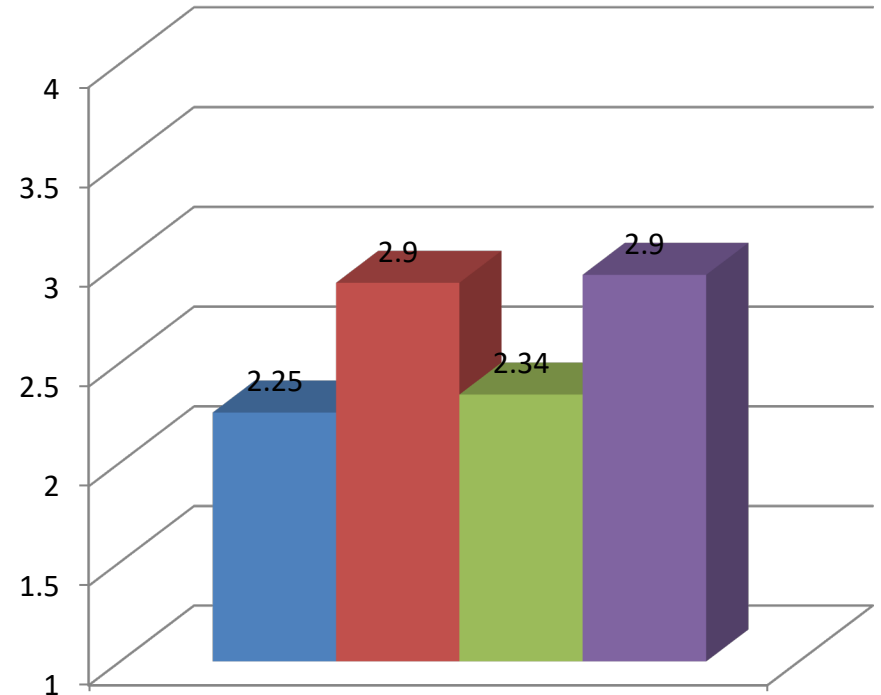
Intercultural Thinking

■ Own & Other; n = 60 ■ Communication; n = 48
■ Global Awareness; n = 33 ■ Conflict; n = 44



Ethical and Civic Thinking

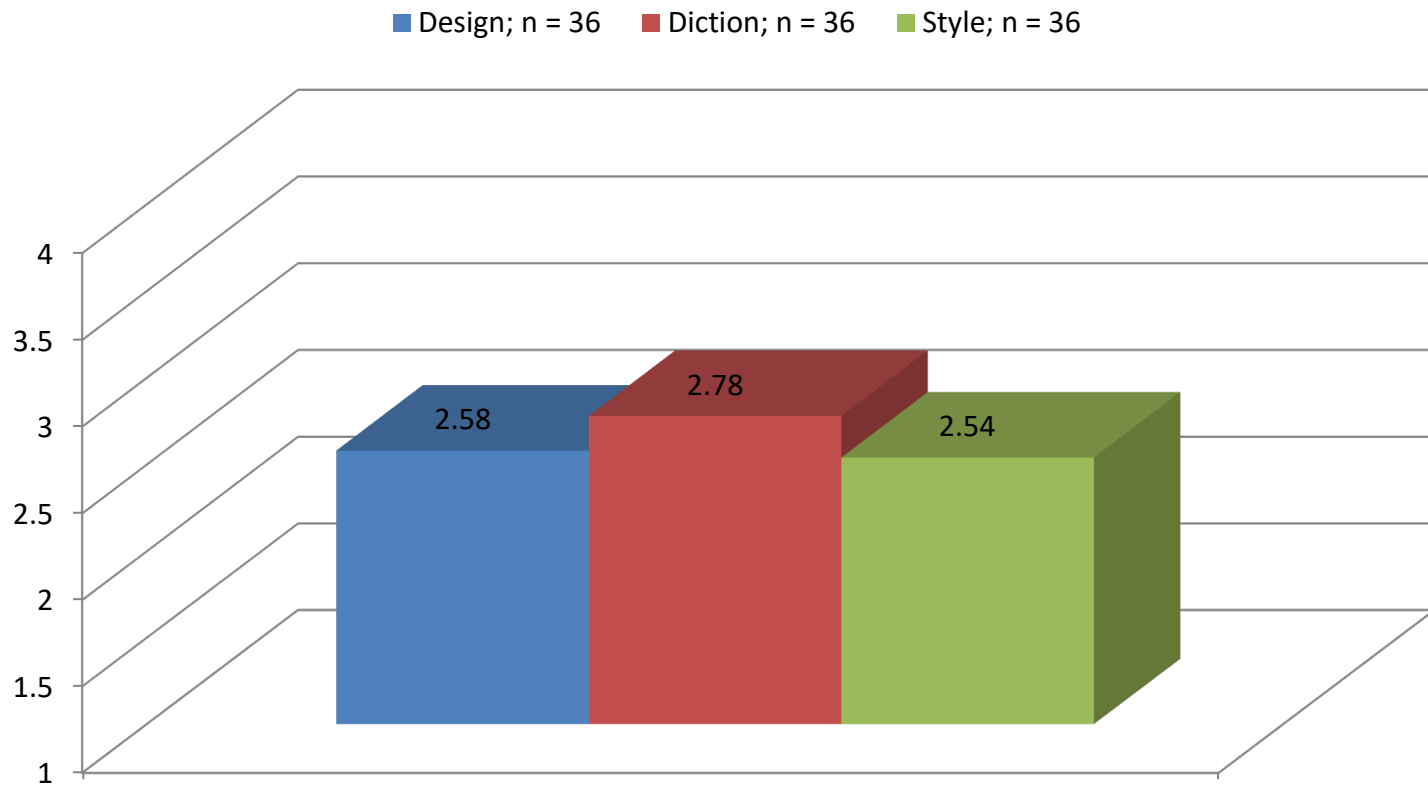
■ Self-Awareness; n = 12 ■ Rules & Standards; n = 5
■ Civic Well-Being; n = 48 ■ Issues; n = 9



CT Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. All CT courses are 100/200 Level.

Communication Fluency

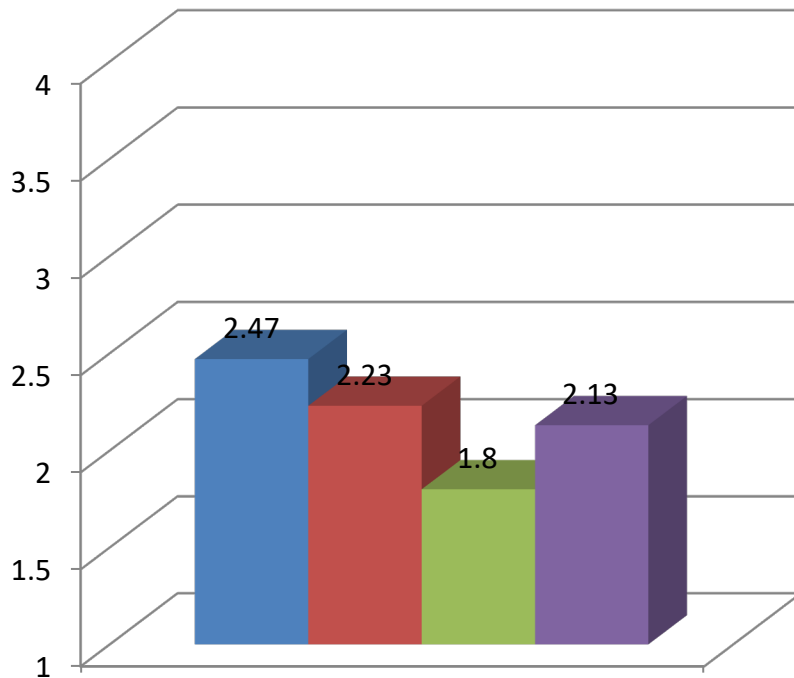


Core II Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. All Core II courses are 100/200 Level.

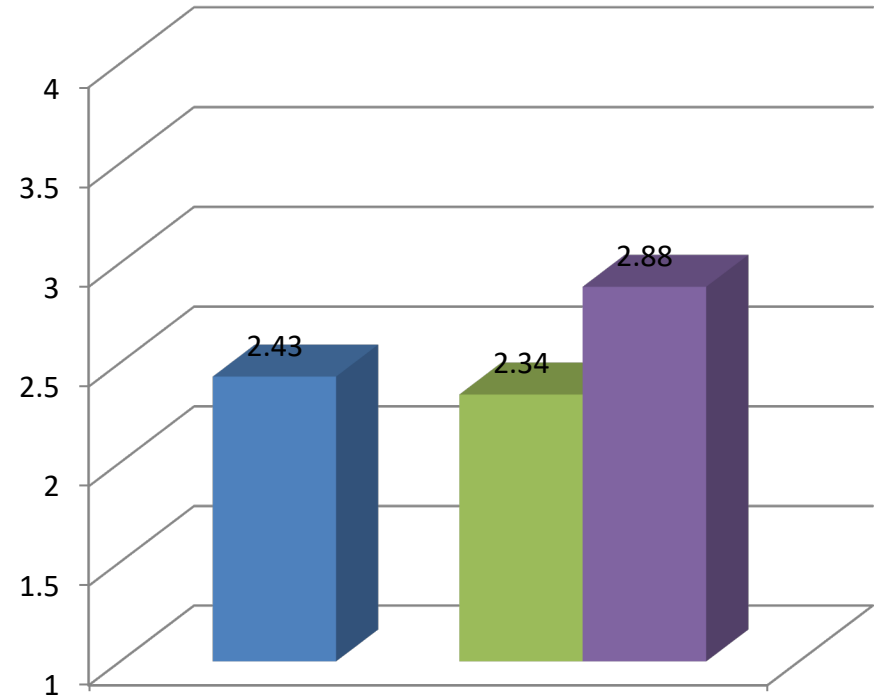
Intercultural Thinking

■ Own & Other; n = 62 ■ Communication; n = 50
■ Global Awareness; n = 35 ■ Conflict; n = 45



Ethical and Civic Thinking

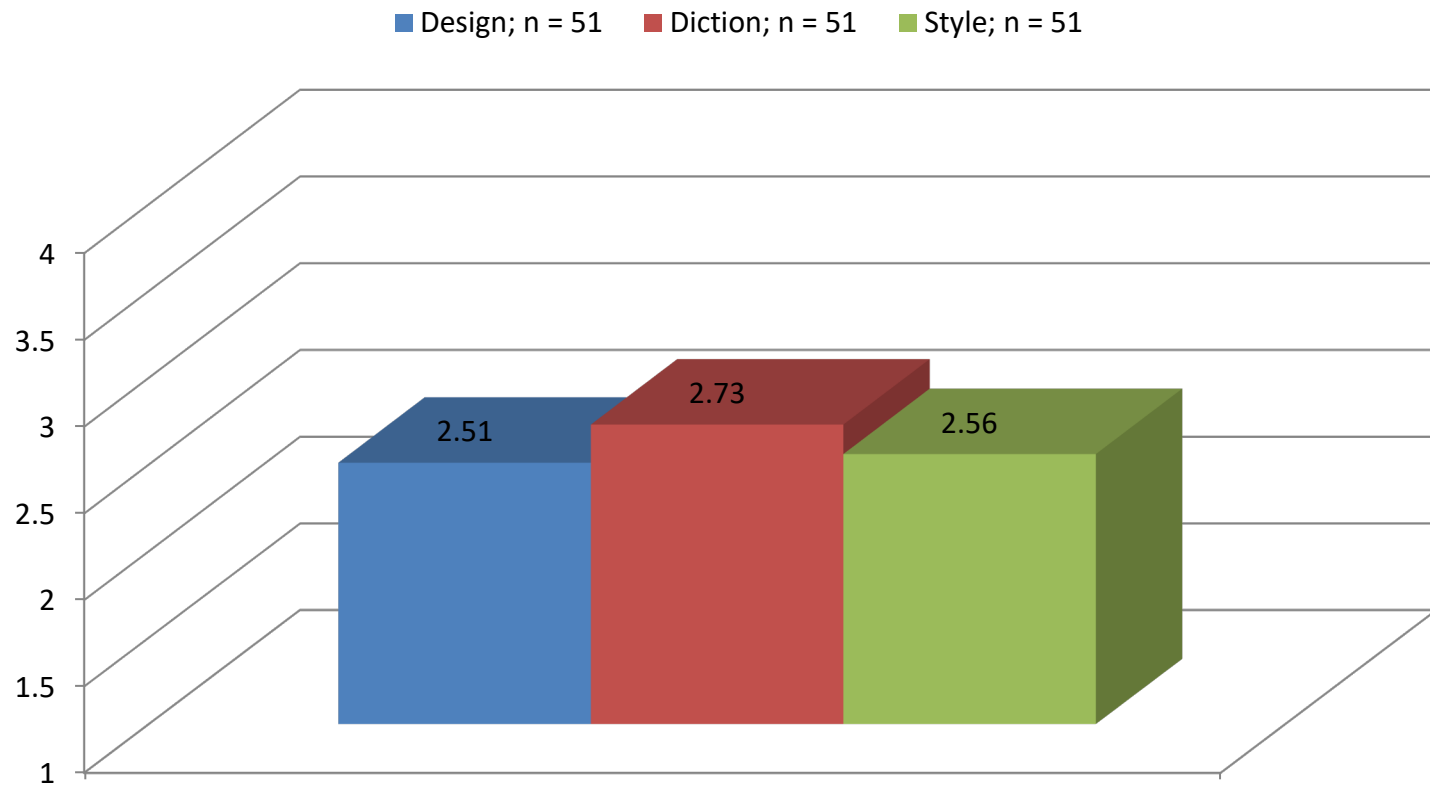
■ Self-Awareness; n = 7 ■ Rules & Standards; n = 0
■ Civic Well-Being; n = 48 ■ Issues; n = 4



Core II Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. All Core II courses are 100/200 Level.

Communication Fluency

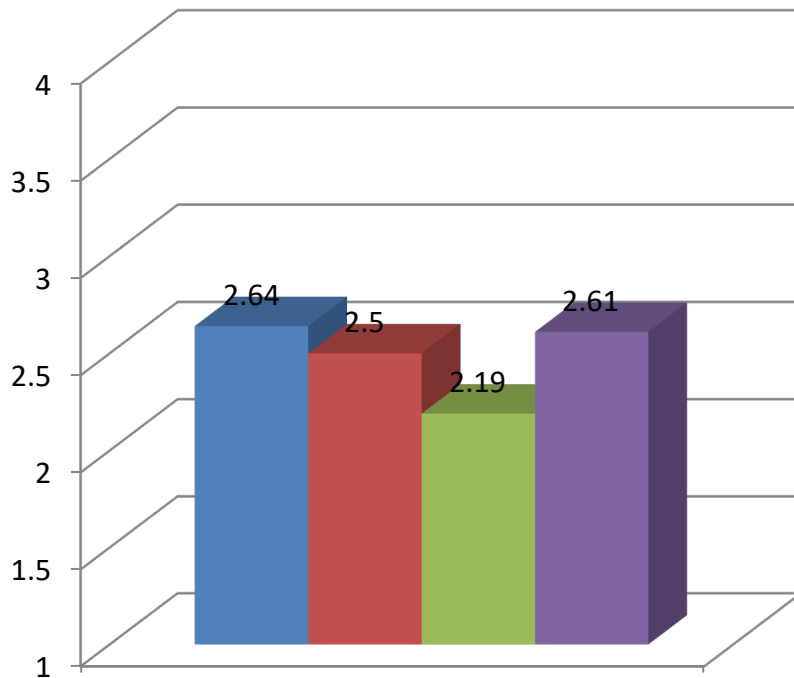


Writing Intensive Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score.

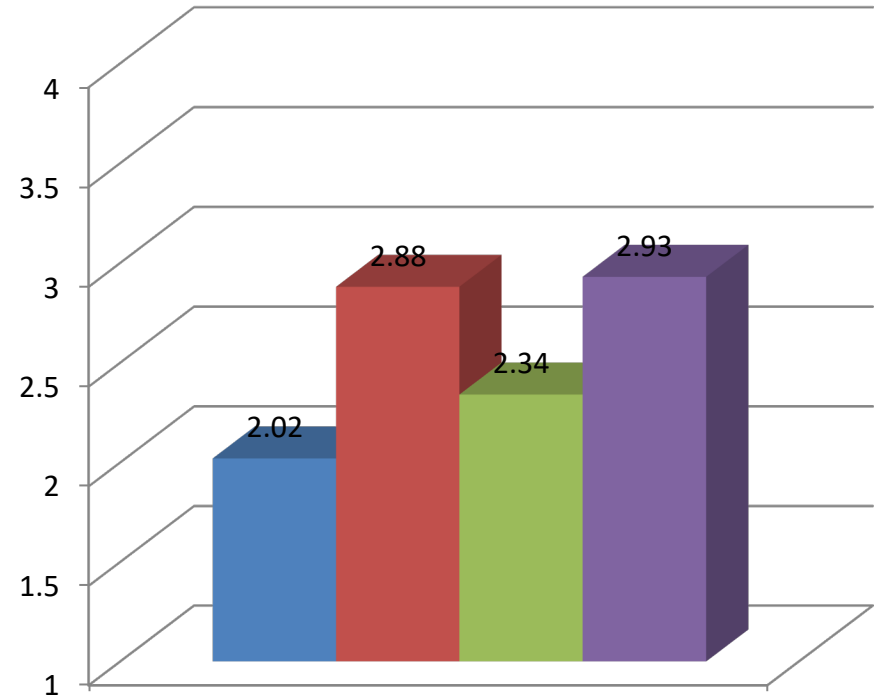
Intercultural Thinking

■ Own & Other; n = 44 ■ Communication; n = 29
■ Global Awareness; n = 35 ■ Conflict; n = 37



Ethical and Civic Thinking

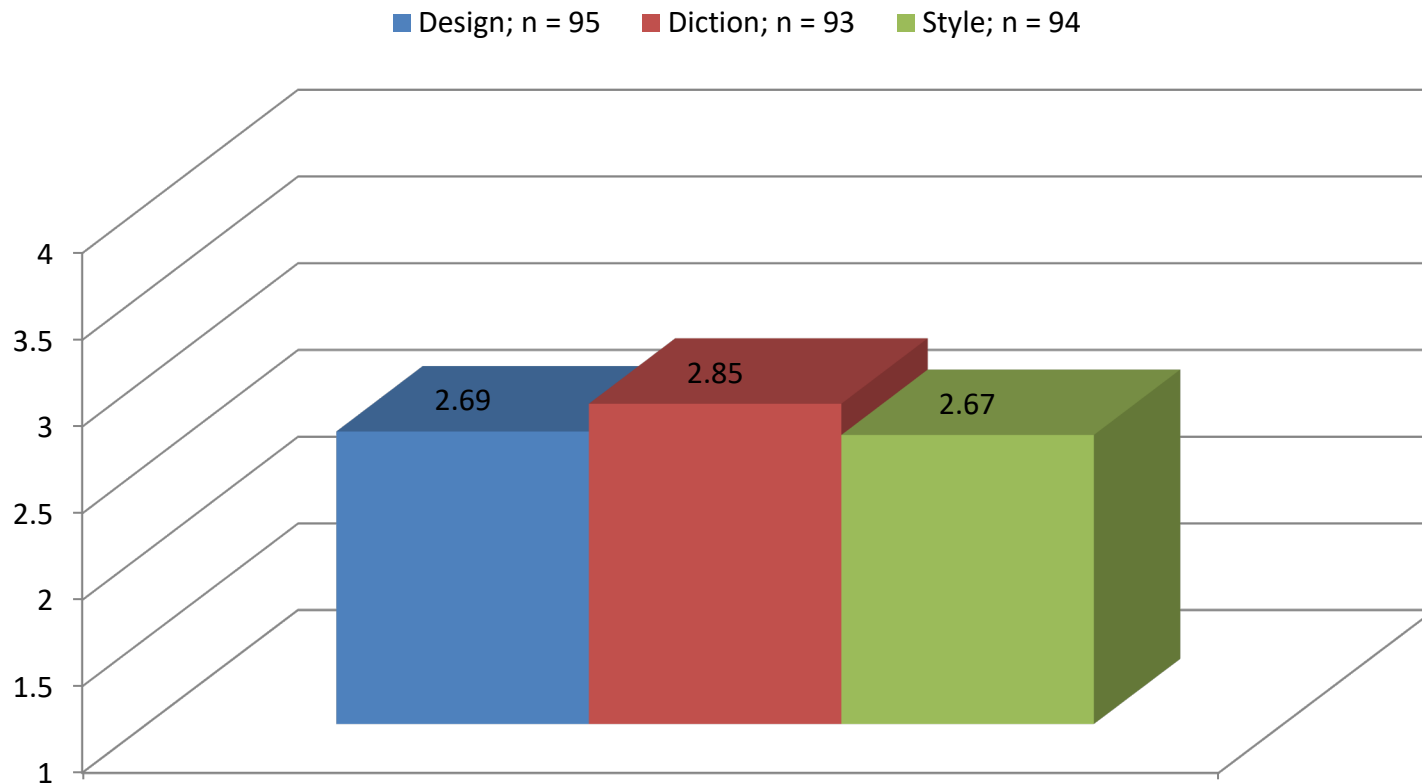
■ Self-Awareness; n = 24 ■ Rules & Standards; n = 21
■ Civic Well-Being; n = 73 ■ Issues; n = 22



Writing Intensive Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. Mean Scores on a scale of 1 – 4, with 4 being the highest possible score.

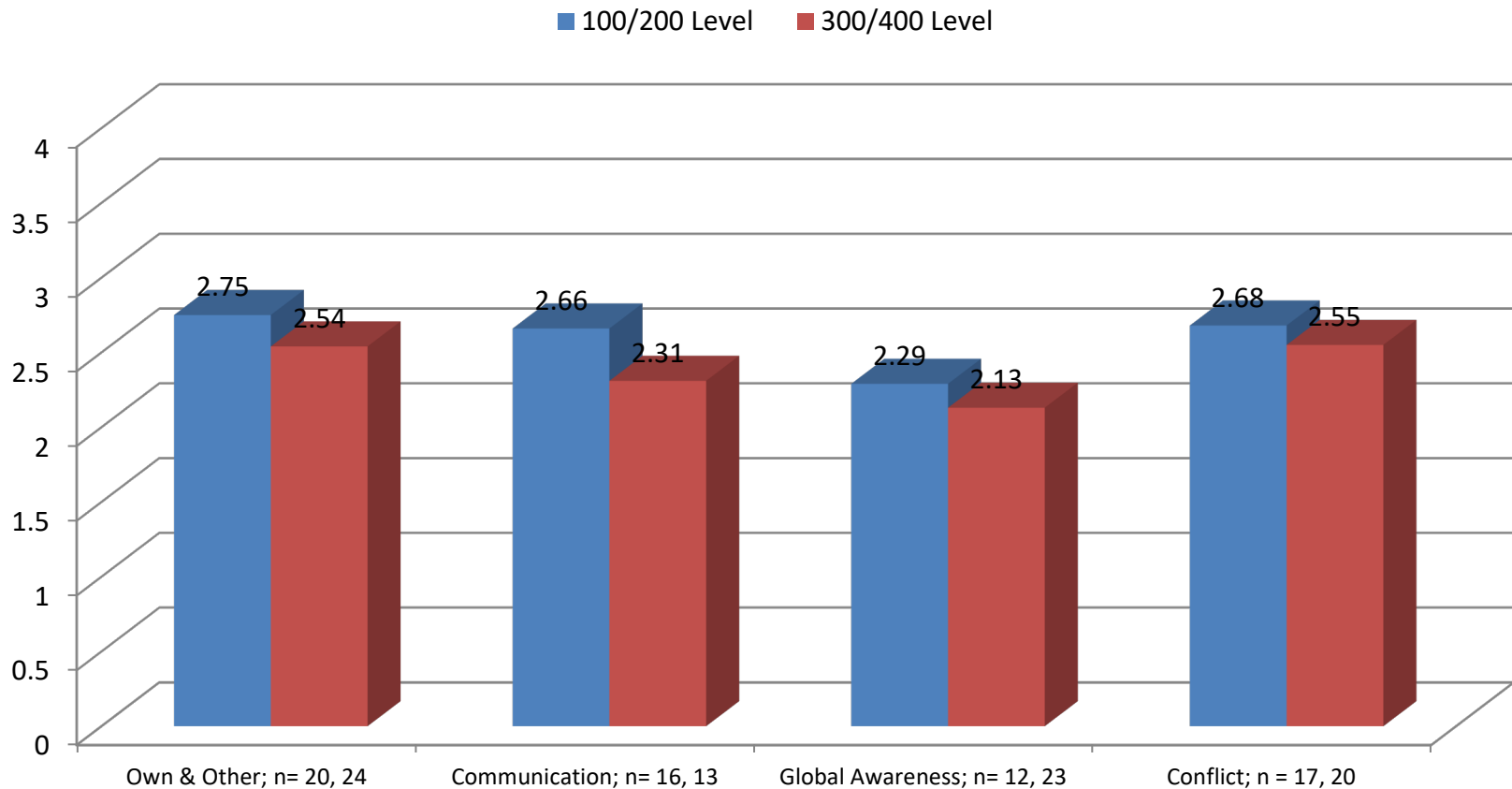
Communication Fluency



Writing Intensive Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. Mean Scores on a scale of 1 – 4, with 4 being the highest possible score.

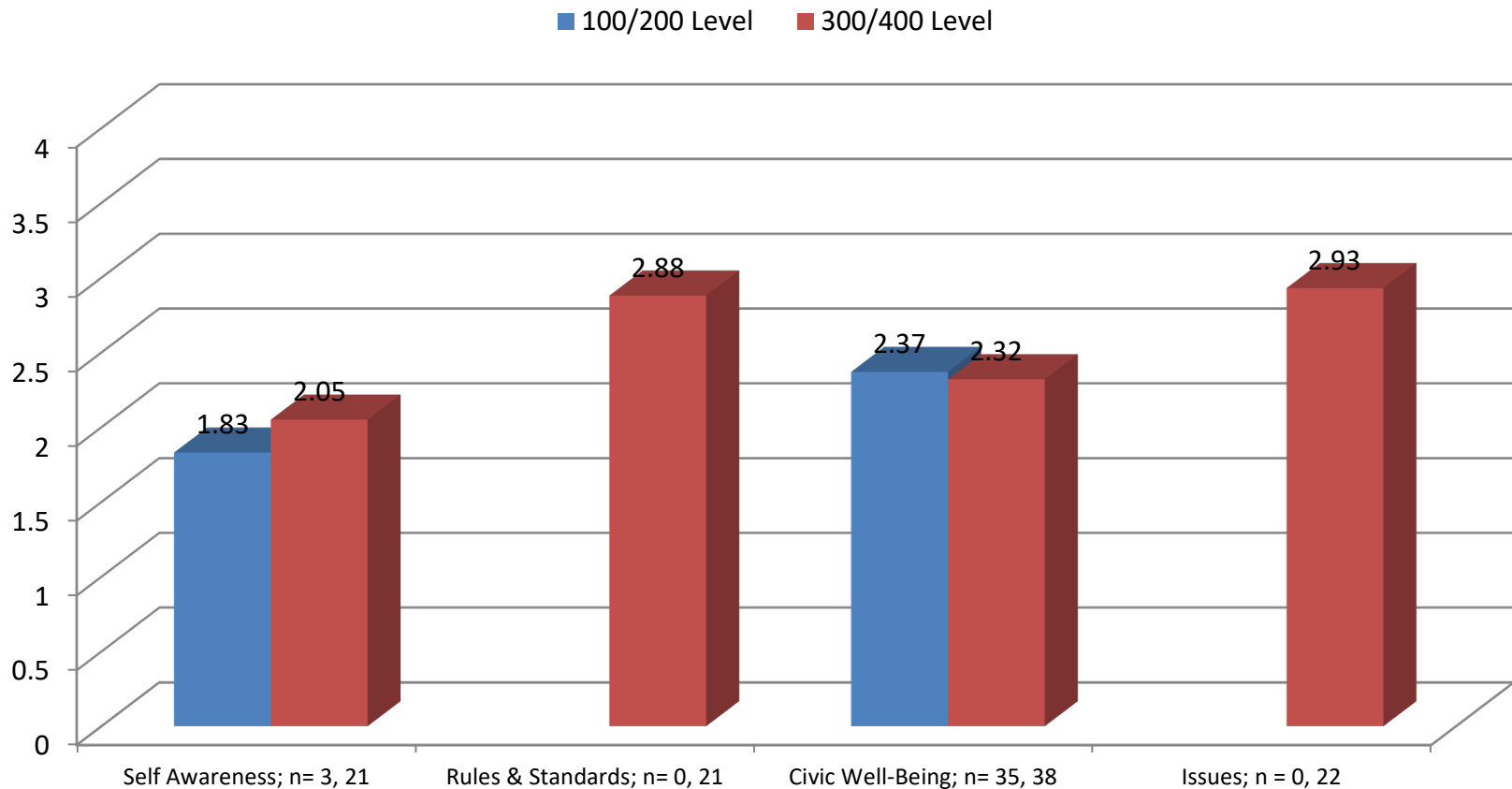
Intercultural Thinking



Writing Intensive Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. Mean Scores on a scale of 1 – 4, with 4 being the highest possible score.

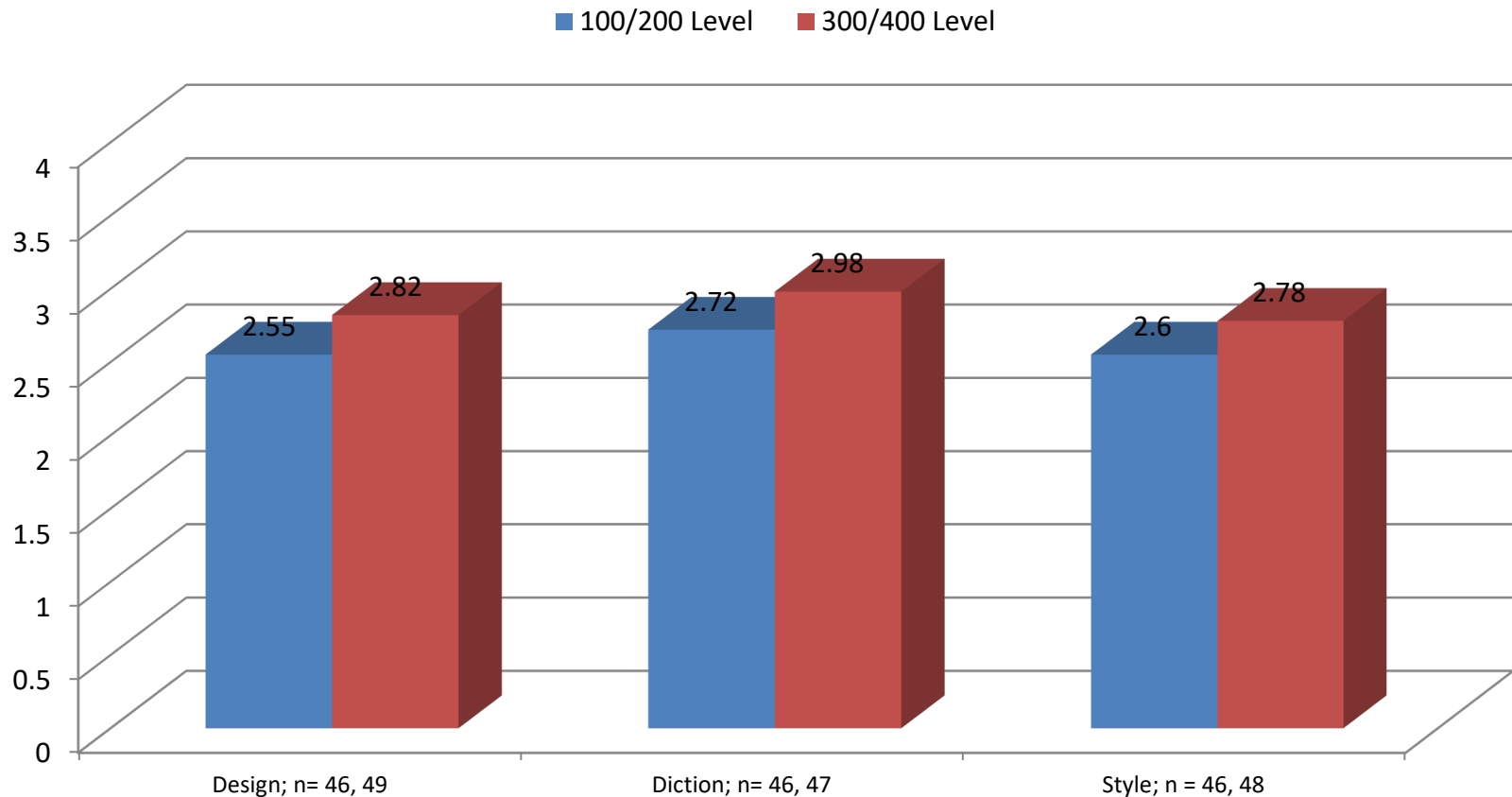
Ethical and Civic Thinking



Writing Intensive Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score

Communication Fluency

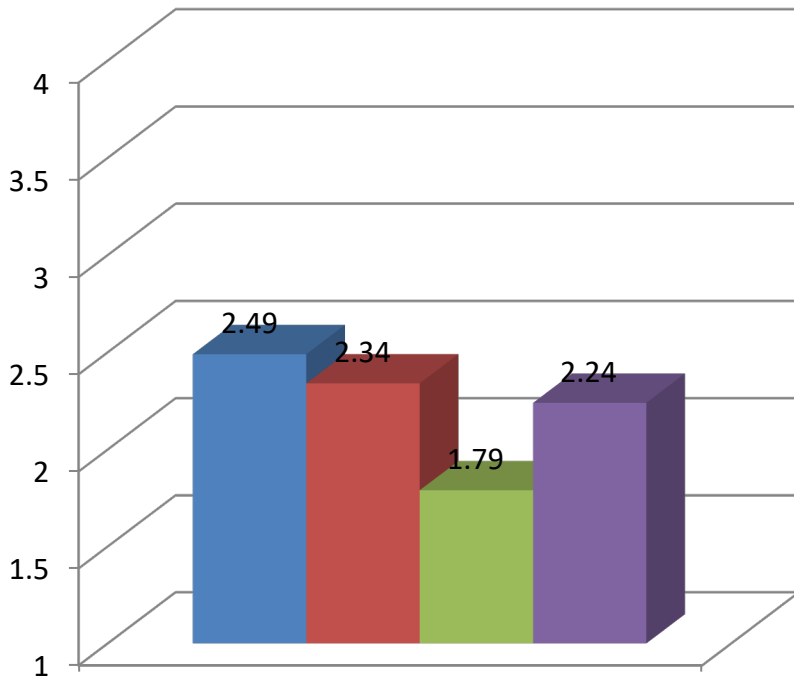


Multicultural Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. Please note that all MC courses aligned to Ethical and Civic Thinking were 100/200 Level

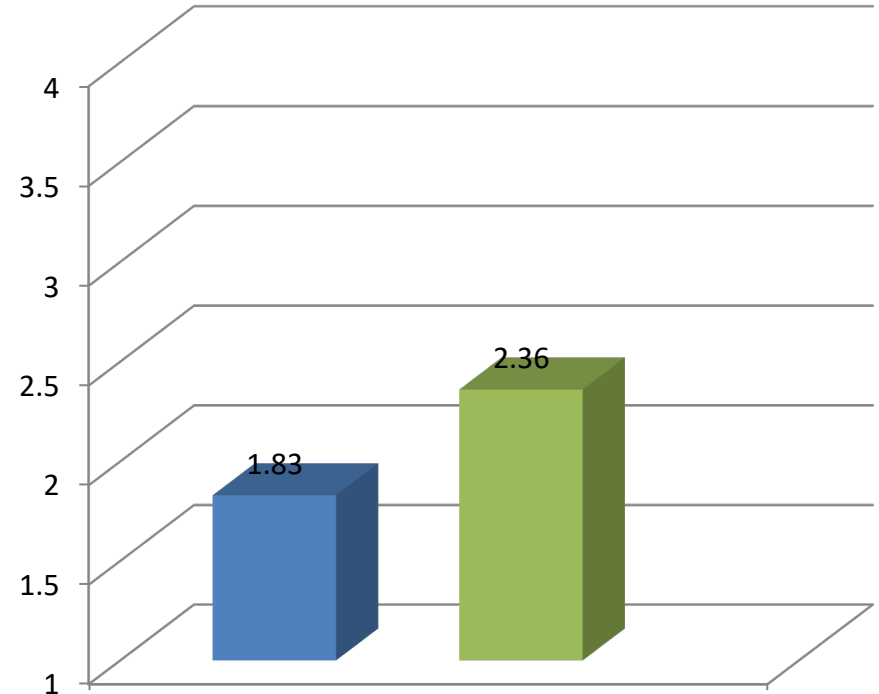
Intercultural Thinking

■ Own & Other; n = 83 ■ Communication; n = 73
■ Global Awareness; n = 35 ■ Conflict; n = 62



Ethical and Civic Thinking

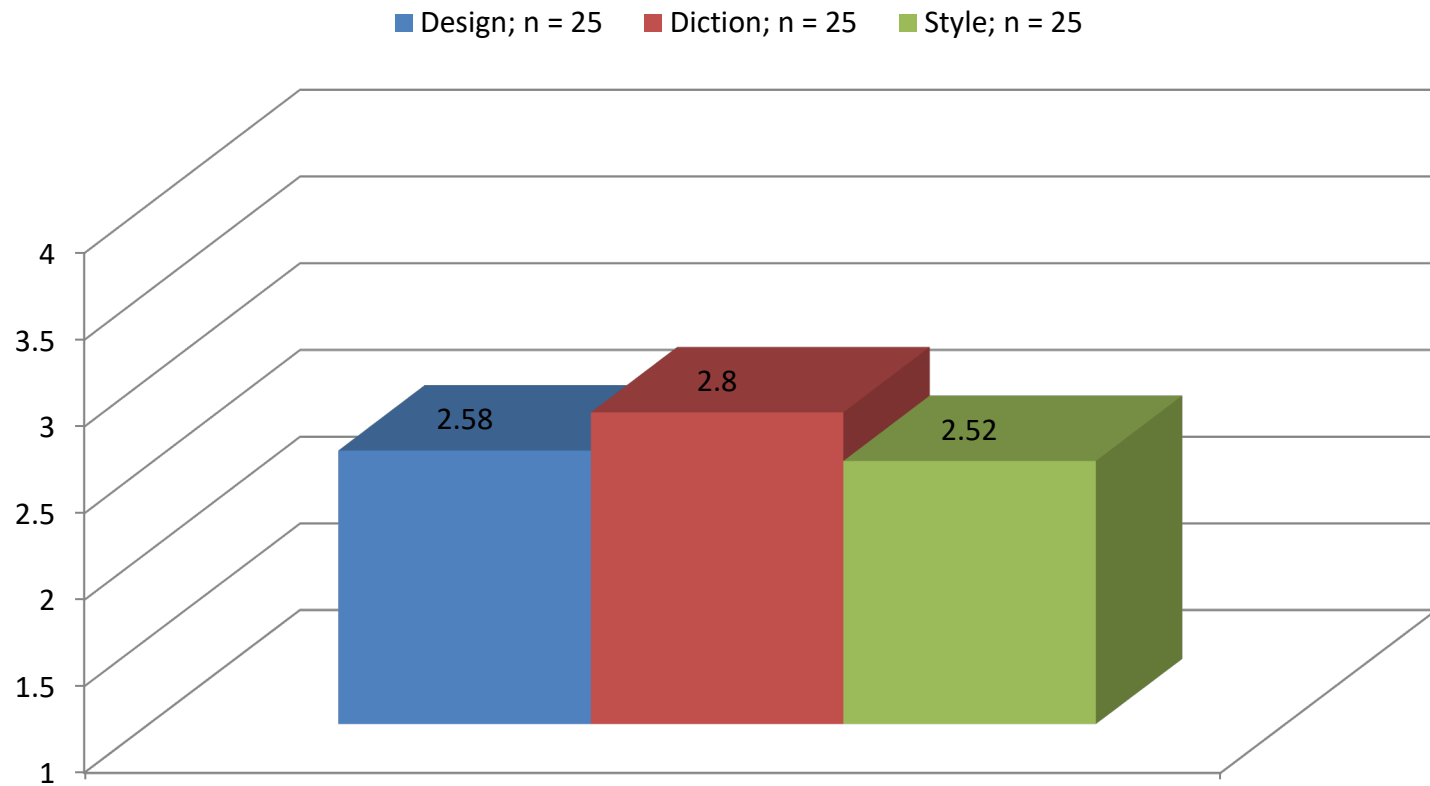
■ Self-Awareness; n = 3 ■ Rules & Standards; n = 0
■ Civic Well-Being; n = 44 ■ Issues; n = 0



Multicultural Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score.

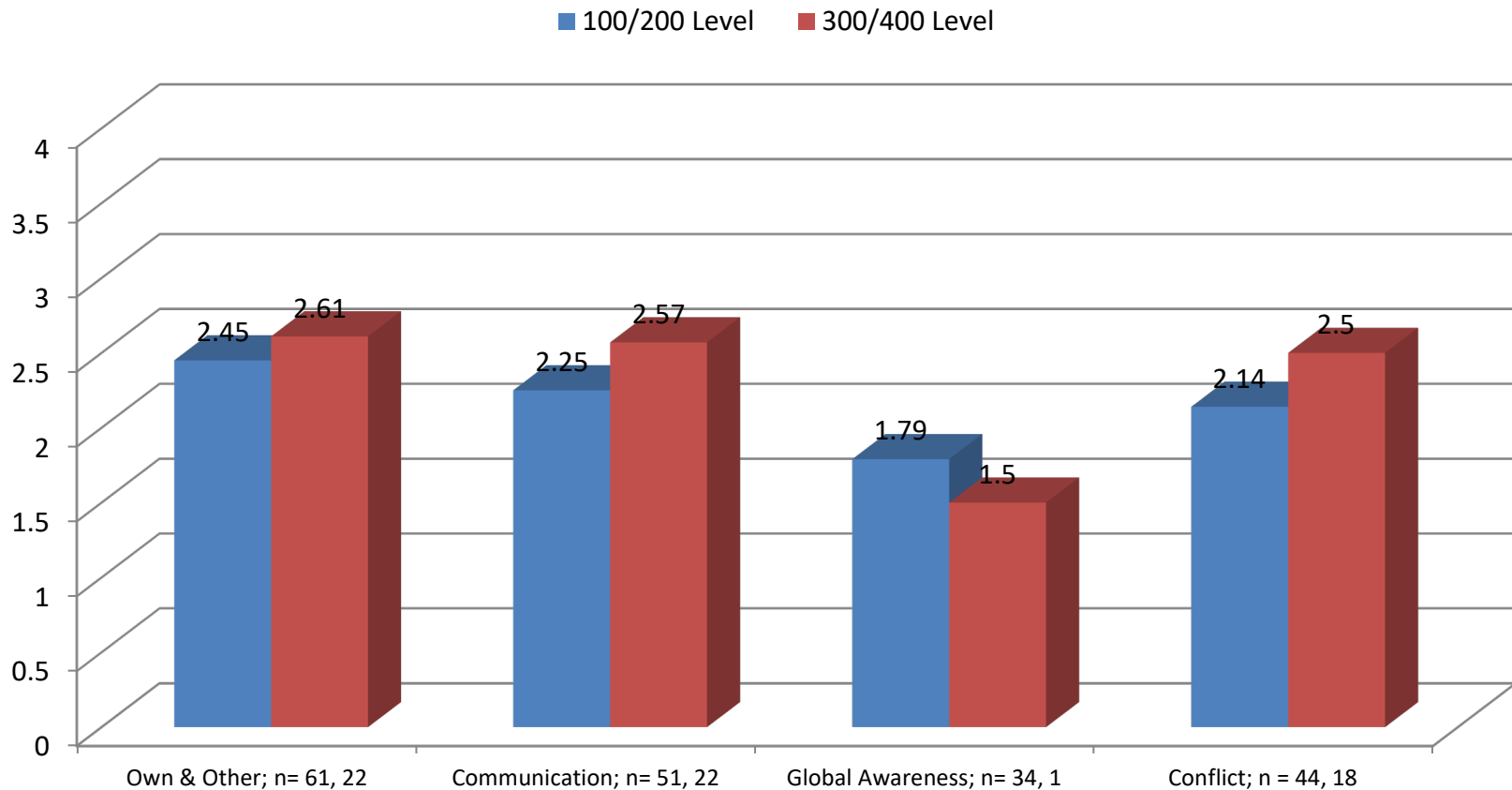
Communication Fluency



Multicultural Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score.

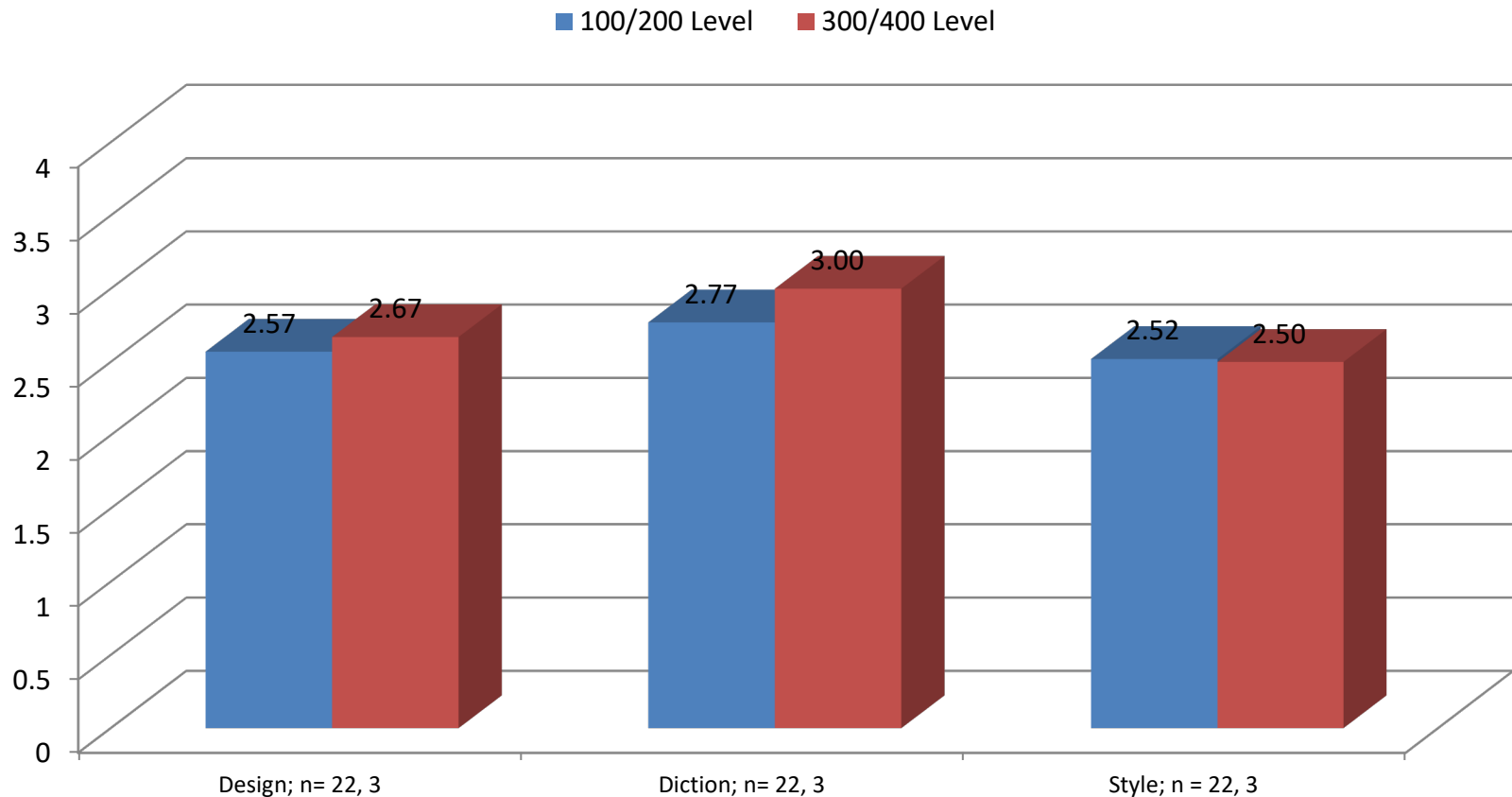
Intercultural Thinking



Multicultural Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. Some artifacts were from courses that, in addition to being MC, also were WI, CT, and/or Core II.

Communication Fluency

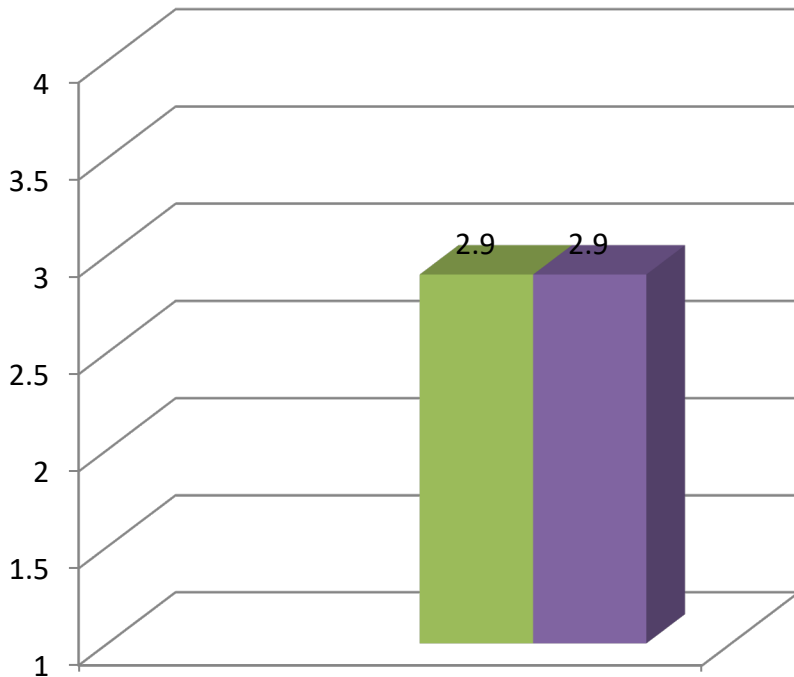


International Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. Please note that there were no International Course artifacts aligned to Communication fluency or to the first three traits of Ethical and Civic Thinking. All international courses were at the 300/400 level.

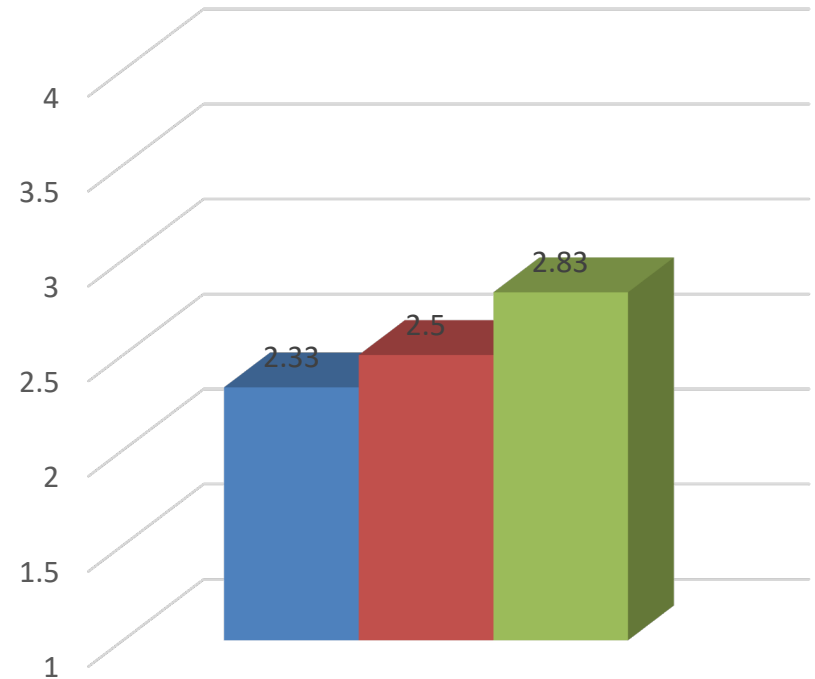
Intercultural Thinking

■ Own & Other; n = 0 ■ Communication; n = 0
■ Global Awareness; n = 5 ■ Conflict; n = 5



Communication Fluency: Note: Two courses were at 100/200 level and one at 300/400 level

■ Design; n = 3 ■ Diction; n = 3 ■ Style; n = 3

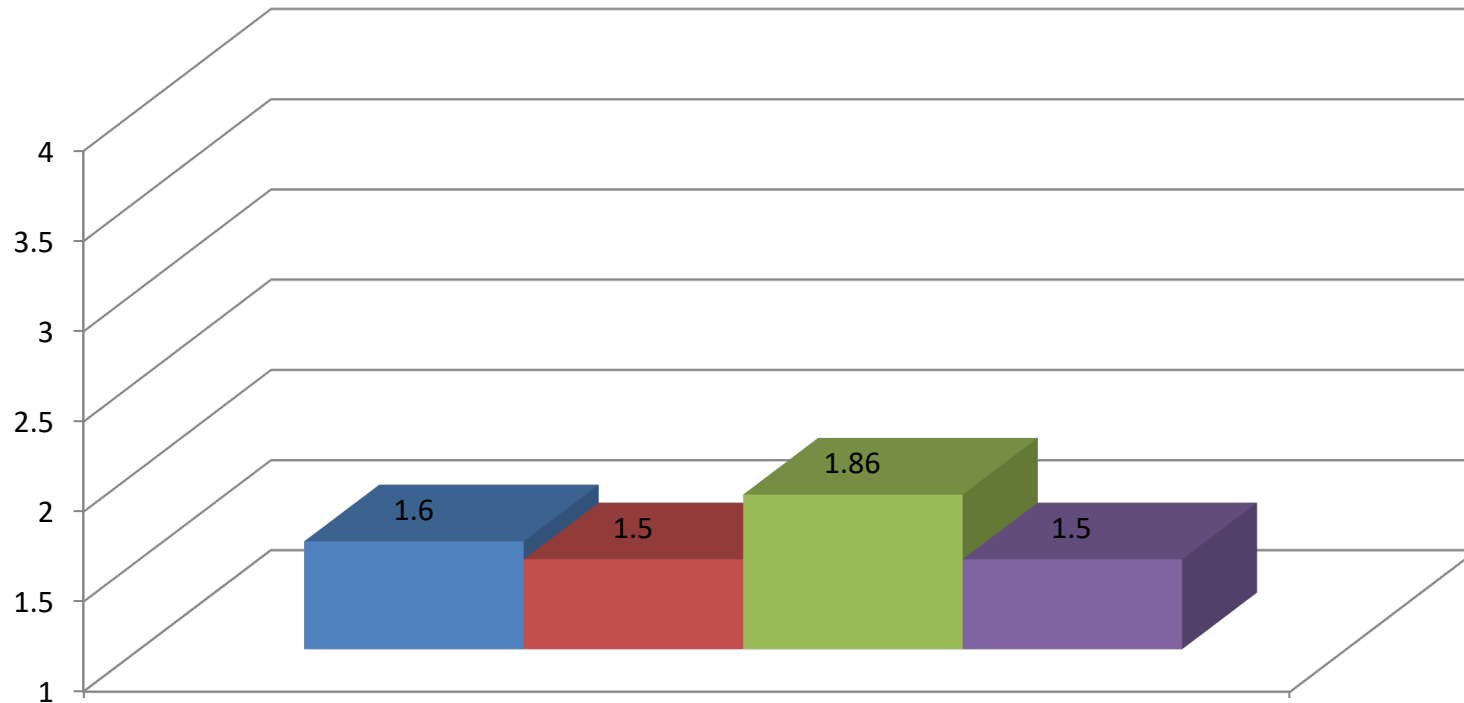


Community Based Learning Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. Please note that there were no CBL Course artifacts aligned to Intercultural Thinking or Communication Fluency.

Ethical and Civic Thinking

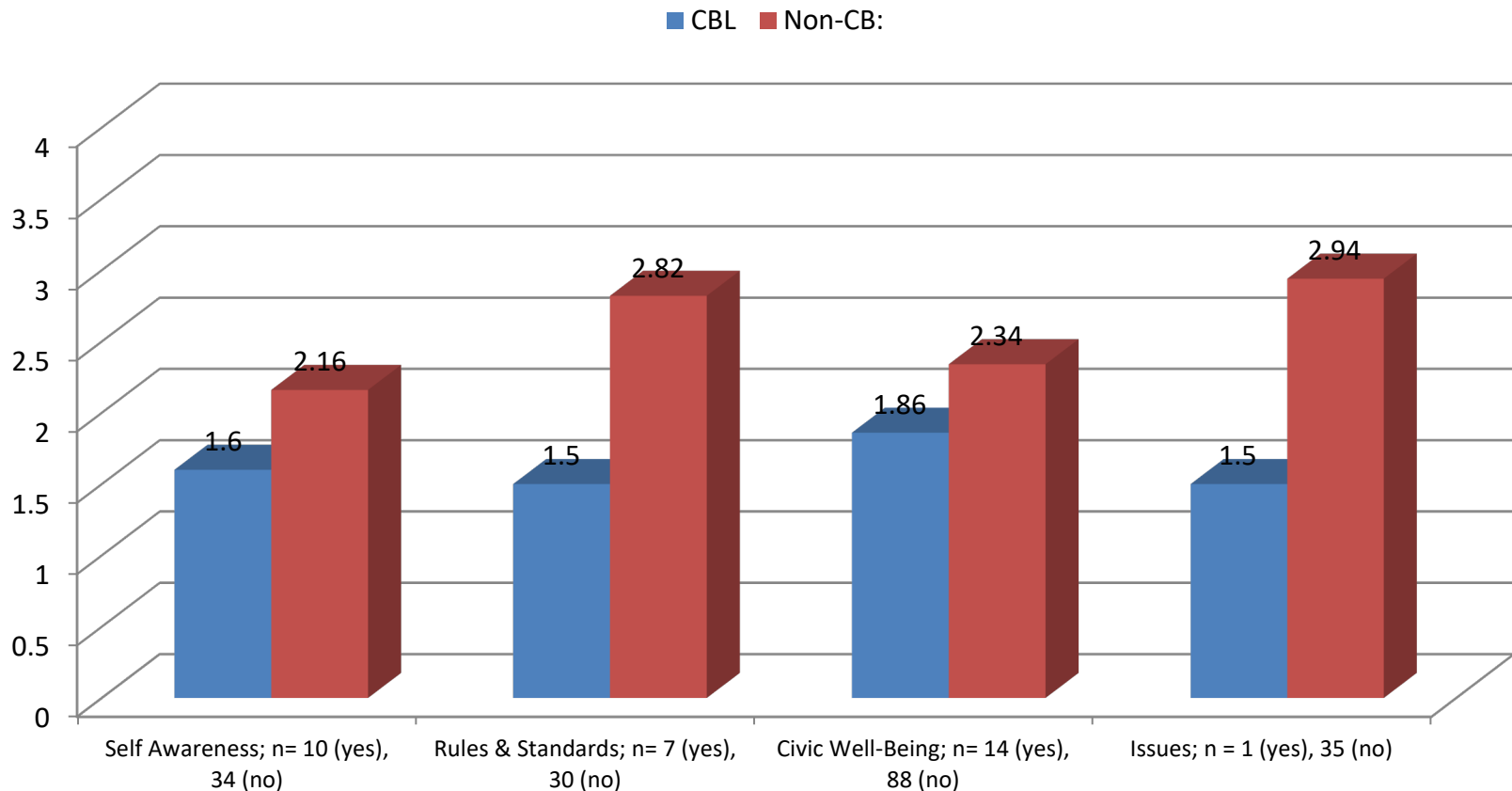
■ Self-Awareness; n = 10 ■ Rules & Standards; n = 7 ■ Civic Well-Being; n = 14 ■ Issues; n = 1



Comparison of CBL and Non-CBL Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score.

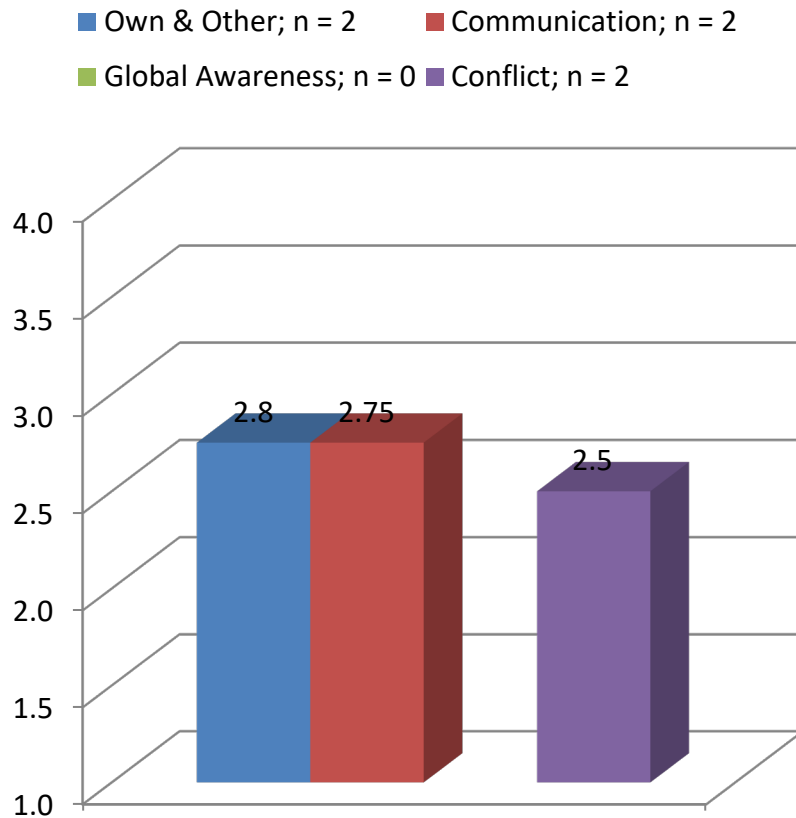
Ethical and Civic Thinking



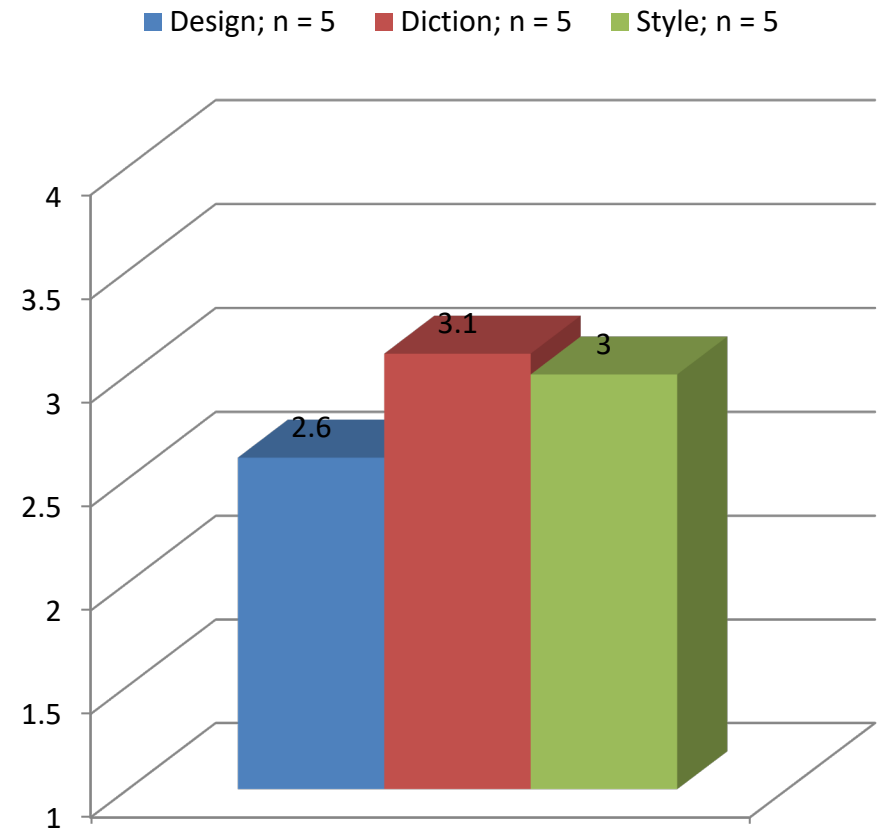
Honors Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. Please note that both Honors courses aligned to *Intercultural Thinking* were at the 100/200 level. Three of the five courses aligned to *Communication Fluency* were at the 100/200 level, with the remaining two at the 300/400 level.

Intercultural Thinking



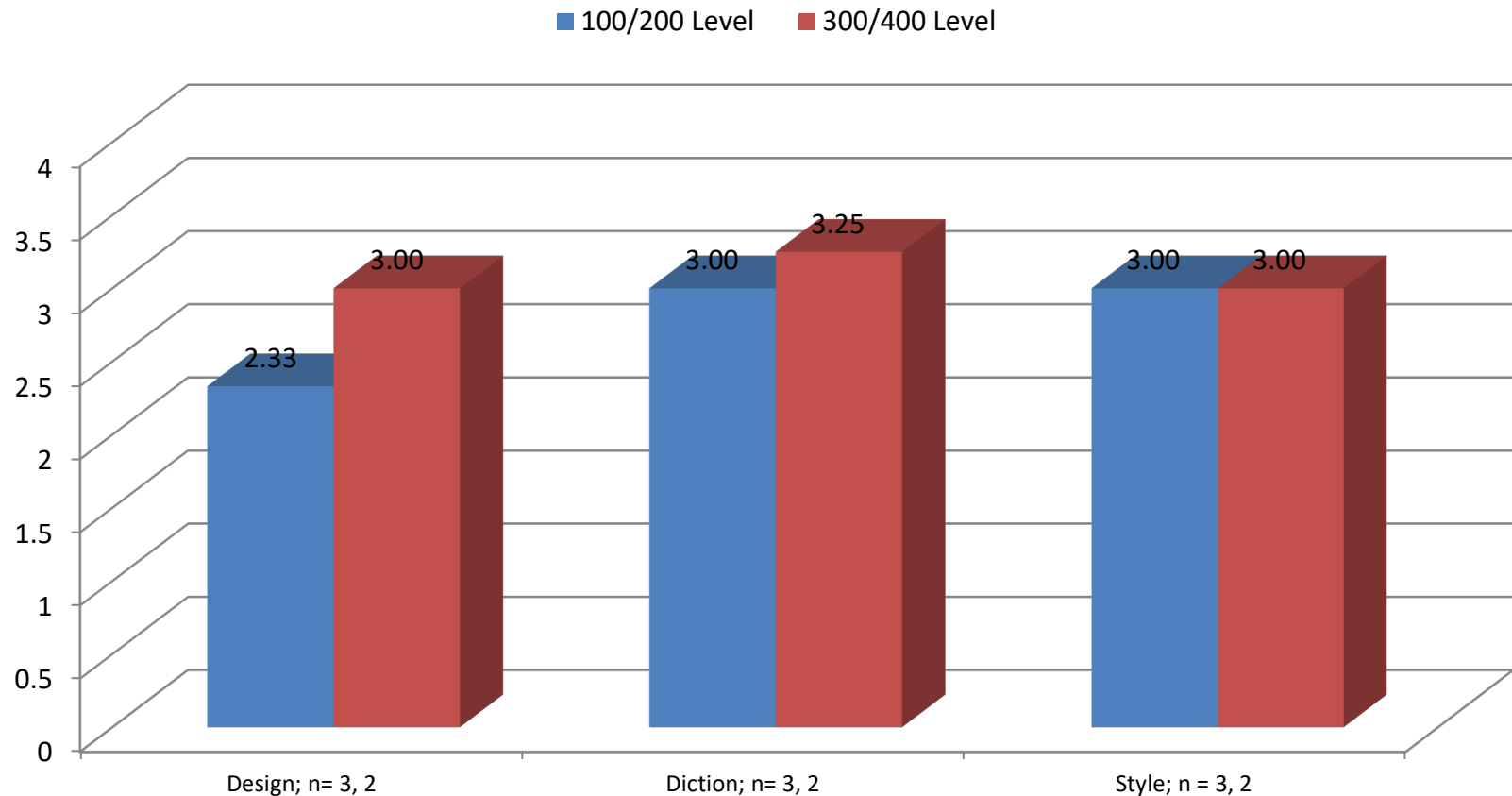
Communication Fluency



Honors Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score.

Communication Fluency

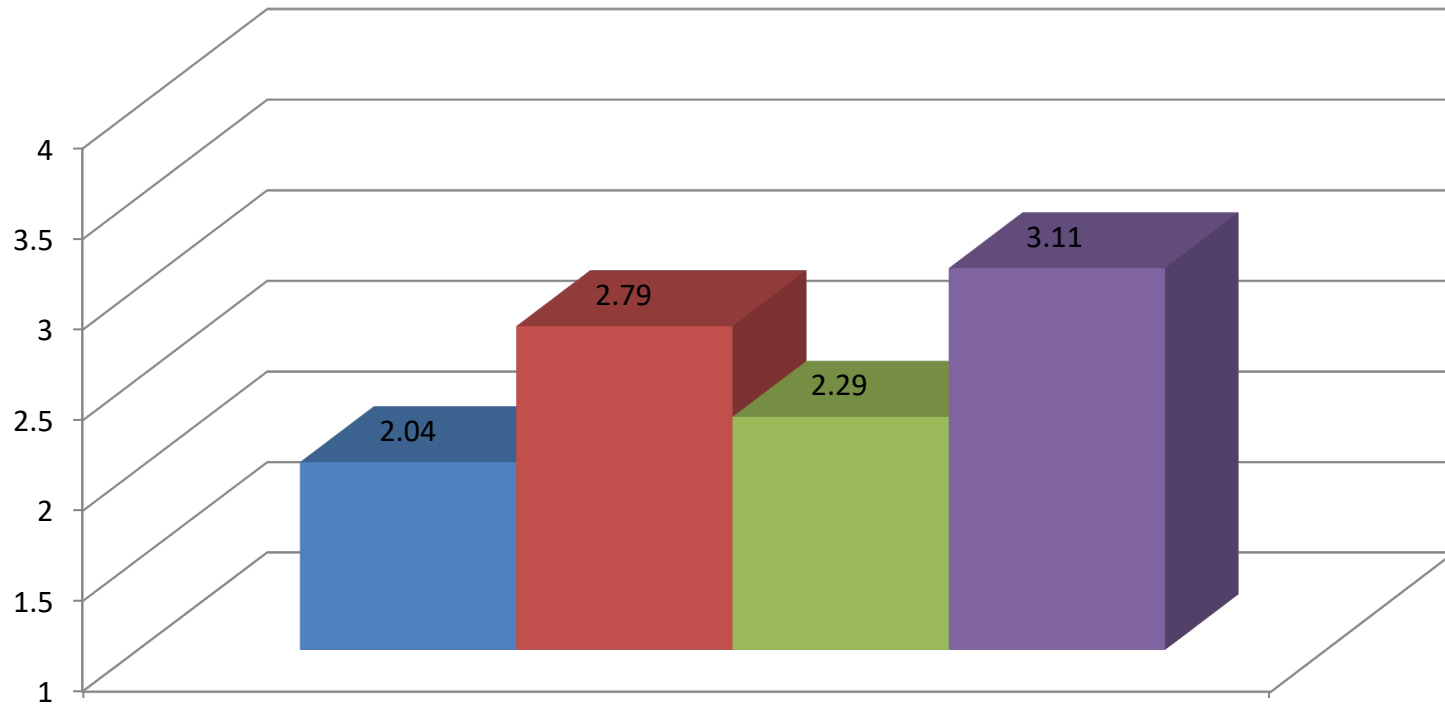


Capstone Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score.

Ethical and Civic Thinking

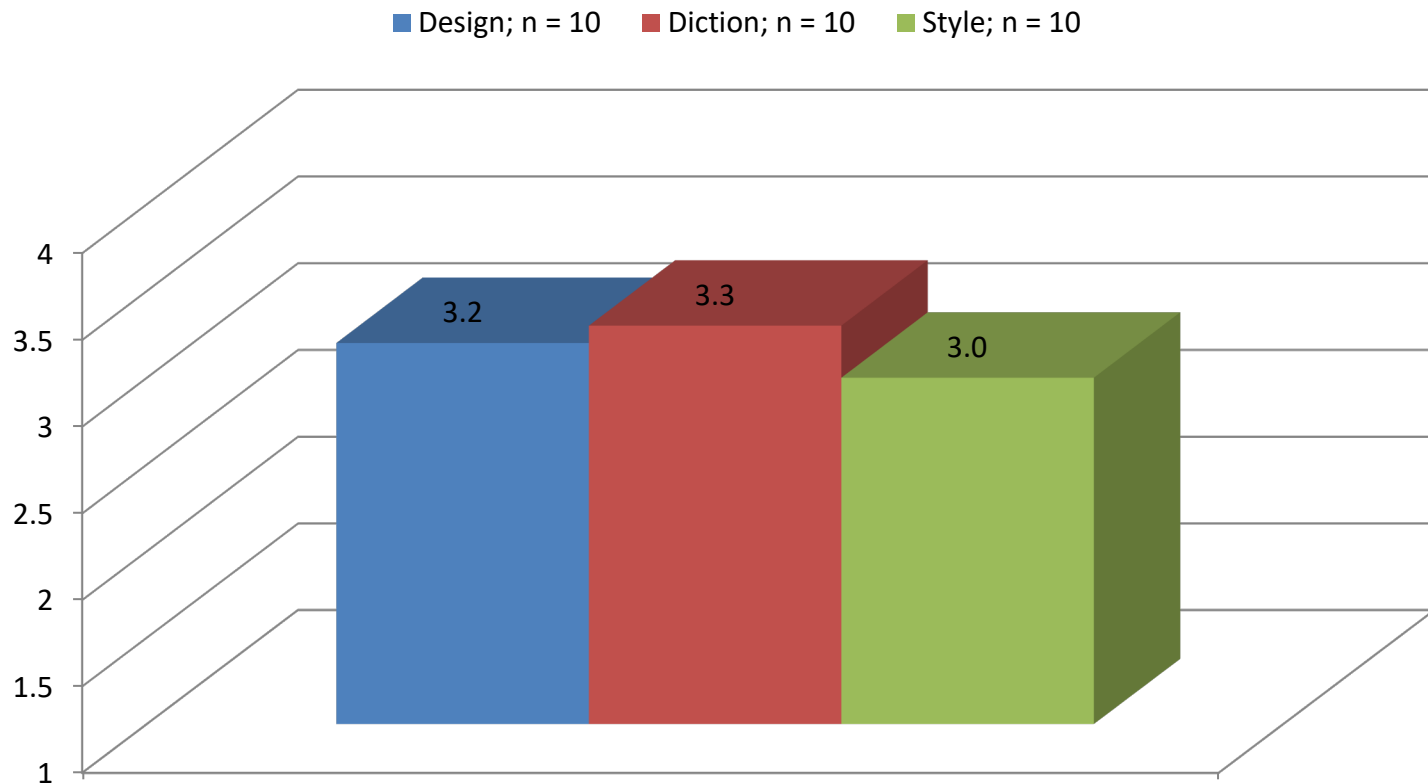
■ Self-Awareness; n = 14 ■ Rules & Standards; n = 14 ■ Civic Well-Being; n = 14 ■ Issues; n = 14



Capstone Courses

Mean Scores on a scale of 1 – 4, with 4 being the highest possible score. Some artifacts were from courses that, in addition to being Capstone, also were WI, international, CT, and/or CBL.

Communication Fluency



Reference

Stellmack, M.A., Kohneim-Kalkstein, Y. L, Manor, J. E., Massey, A. R., & Schmitz, J. A. P. (2009). An assessment of reliability and validity of a rubric for grading APA-style introductions. *Teaching of Psychology, 36*, 102-107.