



National Survey of Student Engagement 2018

Selected Items Related to Collaboration and Communication

Dates of Administration: March 21, 2018 – April 17, 2018
Method of Administration: Web survey (Administered through NSSE)

Demographics and Response Rates:

	First Years	Seniors
Overall Response Rate	38% (84/223)	48% (88/183)
% Female	61%	59%
% Am. Indian or AK Native	0%	2%
% Asian	13%	15%
% Black or African American	4%	0%
% Hispanic or Latino	17%	9%
% White	32%	45%
% International/foreign born	8%	14%
% Two or more races	18%	10%
% Unknown	8%	5%

Background:

The National Survey of Student Engagement (NSSE) asks first year and senior students about the characteristics and quality of their undergraduate experience. It includes 10 Engagement Indicators (Higher-Order Learning, Reflective and Integrative Learning, Learning Strategies, Quantitative Reasoning, Collaborative Learning, Discussions with Diverse Others, Student-Faculty Interaction, Effective Teaching Practices, Quality of Interactions, and Supportive Environment) and High Impact Practices (Learning Communities, Service-Learning, Research with Faculty, Internships, Study Abroad, and Capstones). Additionally, NSSE allows campuses to add up to two additional topical modules to their survey. In 2018, HMC participated in the *Experiences with Writing* topical module. Items from the writing module are included here. The comparison group for the overall survey is our Carnegie Class (Private More Selective Baccalaureate Arts & Sciences Focus), and our Comparison Group for the writing module in 2018 is all other institutions who participated in the writing module (93 other schools). Note that this is different from 2017 when we were compared with 9 other Private More Selective Baccalaureate Arts & Sciences colleges.

HMC participates in the NSSE survey annually each spring, and surveys all first years and graduating seniors. NSSE results are used throughout the campus in departmental program reviews to evaluate growth and development on student learning outcomes and by the college overall in its improvement efforts.

Highlights:

- Collaborating with others to master difficult concepts and develop interpersonal and social competence prepares our students to deal with the complex, unscripted problems they will encounter during and after college. NSSE has 4 items that deal with collaborative learning (Asked another student to help you understand course material; Explained course material to one or more students; Prepared for exams by discussing or working through course material with other students; and Worked with other students on course projects or assignments). Among first years, HMC respondents were significantly higher than our peers on all of the collaborative learning items. Seniors paralleled those

results with one exception: Senior respondents at HMC were less likely to prepare for exams by discussing work with their peers than respondents in our peer group. HMC first years report that their institution has contributed to their development in working effectively with others significantly more (3.3 vs 2.8 out of 4, $p < .001$) than first years from peer institutions. HMC seniors score only a tenth of a point higher and the difference is not statistically significant.

- The Core NSSE survey asks questions about how much writing students do, the nature of their course assignments, and perceived gains in written expression. Respondents at Mudd in both first and senior year write less than students in the peer group. This is true whether we look at shorter assignments (up to 5 pages), or longer assignments (6-10 pages). The difference in both sets of papers is statistically significant for first years while only that for the longer papers is for seniors. Both first year and senior respondents rated their writing gains lower than their peers though this difference was not significant for first years (for first years, 2.8 compared to 2.9, respectively, and for seniors 2.9 and 3.3 respectively).
- Items on the writing module go deeper - they touch on three aspects of good writing assignments — interactivity, meaning-making, and clarity of expectations. In looking at first year respondents, we see that while first years write less than their peers, they indicate that they are more likely to give and receive feedback on drafts or outlines of their writing than respondents in the peer group. In terms of what they are being asked to do in their writing assignments, HMC first years indicate they are more likely to have assignments that asked them to: analyze or evaluate something they read, describe methods or findings related to data, argue a position using evidence, explain in writing the meaning of numerical or statistical data, write in a style and format of a discipline or address a real or imagined audience.
- Results for seniors are not as universally positive. HMC senior respondents are more likely than those in their peer group to report that their assignments asked them to: argue a position using evidence, explain in writing the meaning of numerical and statistical data, write in a style and format of a specific field, and address a real or imagined audience—but only the first and last of these represent a statistically significant difference. They are less likely to give or receive feedback from classmates on drafts or outlines of written work, and less likely to report summarizing material they have read but only the difference in giving feedback is statistically significant. They are statistically significantly less likely to have prepared two or more drafts of a paper or assignment.

FIRST YEARS				
	HMC	Peer¹	Comp	Sig
	n = 84	n = 16,516		
During the current school year, about how often have you done the following?				
<i>1 = never; 2 = sometimes; 3 = often; 4 = very often</i>				
Prepared two or more drafts of a paper or assignment before turning it in	2.6	2.5		
Asked another student to help you understand course material	3.6	2.7	▲	p < .001
Explained course material to one or more students	3.2	2.8	▲	p < .001
Prepared for exams by discussing or working through course material with other students	3.0	2.7	▲	p < .01
Worked with other students on course projects or assignments	3.4	2.8	▲	p < .001
Given a course presentation	2.0	2.4	▼	p < .001
During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned?				
Up to 5 pages	4.9	8.2	▼	p < .001
Between 6-10 pages	1.9	2.7	▼	p < .001
11 pages or more	0.4	0.8	▼	p < .001
Estimate of pages (NSSE Created)	35.7	58.6	▼	p < .001
How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?				
<i>1 = very little; 2 = some; 3 = quite a bit; 4 = very much</i>				
Working effectively with others	3.3	2.8	▲	p < .001
Speaking clearly and effectively	2.1	2.7	▼	p < .001
Writing clearly and effectively	2.8	2.9		
	HMC	Peer²	Comp	Sig
Writing Module Items	n = 72	n = 26,477		
During the current school year, for how many writing assignments have you done the following?				
<i>1 = no writing assignments; 2 = few writing assignments; 3 = some writing assignments; 4 = most writing assignments; 5 = all writing assignments</i>				
Talked with a classmate, friend to develop your ideas before starting your assignment	3.4	3.0	▲	p < .01
Received feedback from a classmate, friend about a draft before turning it in	3.8	3.1	▲	p < .001
Gave feedback to a classmate about a draft or outline	3.6	2.9	▲	p < .001
Summarized material you read such as articles, books, or online publications	3.3	3.3		
Analyzed or evaluated something you read, researched, or observed	4.2	3.6	▲	p < .001
Described your methods or findings related to data you collected	3.3	2.9	▲	p < .001
Argued a position using evidence and reasoning	4.3	3.3	▲	p < .001
Explained in writing the meaning of numerical or statistical data	3.0	2.6	▲	p < .001
Wrote in the style and format of a specific field	3.6	3.0	▲	p < .001
Addressed a real or imagined audience	3.4	2.8	▲	p < .001

¹ Baccalaureate Arts and Sciences, More Selective

² All other institutions participating in the writing module

SENIORS				
	HMC	Peer ³	Comp	Sig
	n = 88	n = 14,097		
During the current school year, about how often have you done the following?				
<i>1 = never; 2 = sometimes; 3 = often; 4 = very often</i>				
Prepared two or more drafts of a paper or assignment before turning it in	2.0	2.3	▼	p<.01
Asked another student to help you understand course material	3.0	2.6	▲	p < .001
Explained course material to one or more students	3.1	2.9	▲	p < .05
Prepared for exams by discussing or working through course material with other students	2.5	2.7	▼	p < .05
Worked with other students on course projects or assignments	3.2	2.9	▲	p < .01
Given a course presentation	3.0	3.0		
During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned?				
Up to 5 pages	7.6	9.0		
Between 6-10 pages	3.1	4.2	▼	p< .05
11 pages or more	2.3	2.3		
Estimate of pages (NSSE Created)	82.8	95.0		
How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?				
<i>1 = very little; 2 = some; 3 = quite a bit; 4 = very much</i>				
Working effectively with others	3.2	3.1		
Speaking clearly and effectively	2.8	3.2	▼	p < .01
Writing clearly and effectively	2.8	3.3	▼	p < .001
	HMC	Peer ⁴	Comp	Sig
Writing Module Items	n = 72	n = 30,712		
During the current school year, for how many writing assignments have you done the following?				
<i>1 = no writing assignments; 2 = few writing assignments; 3 = some writing assignments; 4 = most writing assignments; 5 = all writing assignments</i>				
Talked with a classmate, friend to develop your ideas before starting your assignment	2.7	3.0	▼	p< .05
Received feedback from a classmate, friend about a draft before turning it in	2.7	2.8		
Gave feedback to a classmate about a draft or outline	2.4	2.6	▼	p< .05
Summarized material you read such as articles, books, or online publications	3.2	3.3		
Analyzed or evaluated something you read, researched, or observed	3.8	3.7		
Described your methods or findings related to data you collected	3.1	3.1		
Argued a position using evidence and reasoning	3.6	3.3	▲	p< .05
Explained in writing the meaning of numerical or statistical data	3.0	2.8		
Wrote in the style and format of a specific field	3.6	3.4		
Addressed a real or imagined audience	3.2	2.9	▲	p< .05

³ Baccalaureate Arts and Sciences, More Selective

⁴ All other institutions participating in the writing module