

**PAGE:****1. Your current position is best described as:**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Tenure track faculty (Assistant Professor)</b>	13.8%	96
<b>Tenured faculty (Associate or Full Professor)</b>	<b>34.3%</b>	<b>239</b>
<b>Other full time faculty</b>	24.5%	171
<b>Part time faculty</b>	9.0%	63
<b>Graduate teaching assistant</b>	13.1%	91
<b>Other (please specify):</b>	5.3%	37
	<b>answered question</b>	<b>697</b>
	<b>skipped question</b>	<b>4</b>

**2. What best describes your office space?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>private office</b>	<b>65.6%</b>	<b>456</b>
<b>shared office space with own individual desk</b>	27.8%	193
<b>a desk shared with one other person</b>	0.9%	6
	<b>answered question</b>	<b>695</b>
	<b>skipped question</b>	<b>6</b>

**2. What best describes your office space?**

<b>a desk shared with more than one other person</b>	2.7%	19
<b>no office space</b>	3.0%	21
	<b>answered question</b>	<b>695</b>
	<b>skipped question</b>	<b>6</b>

**3. Indicate the number times that you have taught Calculus I in the past five years, including your current teaching assignment (count more than one section in any given term as only one time):**

	<b>Response Percent</b>	<b>Response Count</b>
<b>1</b>	17.5%	121
<b>2-4</b>	<b>43.4%</b>	<b>301</b>
<b>5-10</b>	32.0%	222
<b>more than 10</b>	7.1%	49
	<b>answered question</b>	<b>693</b>
	<b>skipped question</b>	<b>8</b>

**4. How would you describe your teaching of Calculus I?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Very innovative</b>	5.5%	38
<b>Somewhat innovative</b>	33.9%	235
	<b>answered question</b>	<b>694</b>
	<b>skipped question</b>	<b>7</b>

**4. How would you describe your teaching of Calculus I?**

<b>Somewhat traditional</b>	<b>51.9%</b>	<b>360</b>
<b>Very traditional</b>	<b>8.8%</b>	<b>61</b>
	<b>answered question</b>	<b>694</b>
	<b>skipped question</b>	<b>7</b>

**PAGE:****5. From your point of view, how supportive is your department for implementing innovative approaches to teaching Calculus I?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Not supportive</b>	<b>3.9%</b>	<b>27</b>
<b>Somewhat supportive</b>	<b>29.1%</b>	<b>200</b>
<b>Moderately supportive</b>	<b>36.8%</b>	<b>253</b>
<b>Very supportive</b>	<b>30.2%</b>	<b>208</b>
	<b>answered question</b>	<b>688</b>
	<b>skipped question</b>	<b>13</b>

**6. From your point of view, how successful is your department in creating an environment in which Calculus I students feel they are personally and academically connected to other students studying Calculus I?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>No effort made</b>	<b>7.9%</b>	<b>54</b>
	<b>answered question</b>	<b>682</b>
	<b>skipped question</b>	<b>19</b>

6. From your point of view, how successful is your department in creating an environment in which Calculus I students feel they are personally and academically connected to other students studying Calculus I?

Not successful	7.8%	53
Somewhat successful	36.4%	248
Moderately successful	34.8%	237
Very successful	13.2%	90
<b>answered question</b>		<b>682</b>
<b>skipped question</b>		<b>19</b>

7. The Calculus I textbook you use is:

	Response Percent	Response Count
A common textbook selected by the department	95.0%	659
A textbook I chose from an approved list	0.4%	3
A textbook of my own choosing	2.6%	18
Other (please specify):	2.0%	14
<b>answered question</b>		<b>694</b>
<b>skipped question</b>		<b>7</b>

**PAGE:**

8. What textbook is required for your Calculus I course? Select from the list below or specify a different text if your book is not on the list.  
*Note the distinction between "Early Transcendentals" and standard editions. No distinction is made*

**answered question 695**  
**skipped question 6**

*between single-variable and combined single- and multivariable volumes.*

	Response Percent	Response Count
Anton/Bivens/Davis - Calculus	0.6%	4
Anton/Bivens/Davis - Calculus: Early Transcendentals	2.0%	14
Blank/Krantz - Calculus	0.0%	0
Edwards/Penney - Calculus: Early Transcendentals	1.3%	9
Hass/Weir/Thomas - University Calculus	2.2%	15
Hass/Weir/Thomas - University Calculus: ALternate Edition	0.7%	5
Hass/Weir/Thomas - University Calculus: Elements with Early Transcendentals	0.6%	4
Hughes Hallett et al. - Calculus	<b>18.6%</b>	<b>129</b>
Larson/Edwards - Calculus	1.3%	9
Larson/Hostetler/Edwards - Calculus: Early Transcendentals	2.4%	17
Larson/Hostetler/Edwards - Essential Calculus	0.0%	0
Rogawski - Calculus	0.1%	1
Rogawski - Calculus: Early Transcendentals	5.6%	39
Salas/Hille/Etgen - Calculus	1.2%	8
Smith/Minton - Calculus	0.1%	1
	<b>answered question</b>	<b>695</b>
	<b>skipped question</b>	<b>6</b>

<b>Smith/Minton - Calculus: Concepts and Connections</b>	0.0%	0
<b>Smith/Minton - Calculus: Early Transcendentals</b>	0.9%	6
<b>Stewart - Calculus</b>	11.8%	82
<b>Stewart - Calculus: Concepts and Contexts</b>	8.2%	57
<b>Stewart - Calculus: Early Transcendentals</b>	16.5%	115
<b>Stewart - Essential Calculus</b>	2.7%	19
<b>Stewart - Essential Calculus: Early Transcendentals</b>	3.5%	24
<b>Swokowski - Calculus</b>	1.2%	8
<b>Thomas/Weir/Hass/Giordano - Thomas' Calculus</b>	1.4%	10
<b>Thomas/Weir/Hass/Giordano - Thomas' Calculus: Early Transcendentals</b>	2.9%	20
<b>Varberg/Purcell/Rigdon - Calculus</b>	2.3%	16
<b>Varberg/Purcell/Rigdon - Calculus: Early Transcendentals</b>	1.0%	7
<b>Other (please specify Title and Author(s)):</b>	10.9%	76

**answered question 695**

**skipped question 6**

**PAGE:**

**9. How long has your current text, including earlier editions, been used on your campus? answered question 692**

**skipped question 9**

**9. How long has your current text, including earlier editions, been used on your campus?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>4 years or less</b>	<b>34.1%</b>	<b>236</b>
<b>5 - 10 years</b>	22.4%	155
<b>more than 10 years</b>	13.6%	94
<b>don't know</b>	29.9%	207
	<b>answered question</b>	<b>692</b>
	<b>skipped question</b>	<b>9</b>

**10. What will be the primary means of instructing students?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>face-to-face in a classroom</b>	<b>96.8%</b>	<b>673</b>
<b>online via distance learning</b>	1.0%	7
<b>hybrid between face-to-face and online distance learning</b>	2.2%	15
	<b>answered question</b>	<b>695</b>
	<b>skipped question</b>	<b>6</b>

**11. What technology do you permit (but not require) students to use on exams?**

	<b>Response Percent</b>	<b>Response Count</b>
	<b>answered question</b>	<b>694</b>
	<b>skipped question</b>	<b>7</b>

**11. What technology do you permit (but not require) students to use on exams?**

Technology not permitted	32.0%	222
Graphing calculators that do not perform symbolic algebra	<b>33.9%</b>	<b>235</b>
Graphing calculators that perform symbolic algebra	18.6%	129
Computer algebra system (Maple, Mathematica, MATLAB, etc)	2.0%	14
Other (please describe):	13.5%	94
	<b>answered question</b>	<b>694</b>
	<b>skipped question</b>	<b>7</b>

**12. What technology do you require students to use on exams?**

	<b>Response Percent</b>	<b>Response Count</b>
Technology not required	<b>66.3%</b>	<b>459</b>
Graphing calculators that do not perform symbolic algebra	22.5%	156
Graphing calculators that perform symbolic algebra	4.0%	28
Computer algebra system (Maple, Mathematica, MATLAB, etc)	1.2%	8
Other (please describe):	5.9%	41
	<b>answered question</b>	<b>692</b>
	<b>skipped question</b>	<b>9</b>



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**13. Approximately what percentage of students currently enrolled in your Calculus I course do you expect are academically prepared for the course?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>more than 80%</b>	24.1%	165
<b>between 60 and 80%</b>	<b>45.9%</b>	<b>314</b>
<b>between 40 and 60%</b>	21.6%	148
<b>between 20 and 40%</b>	7.0%	48
<b>less than 20%</b>	1.3%	9
	<b>answered question</b>	<b>684</b>
	<b>skipped question</b>	<b>17</b>

**14. Estimate the percentage of students currently enrolled in your Calculus I course that will:**

	<b>Response Average</b>	<b>Response Total</b>	<b>Response Count</b>
<b>% withdraw</b>	10.66	7,112	667
<b>% receive a grade of D or F</b>	15.72	10,532	670
<b>% receive a grade of C or better</b>	<b>73.67</b>	<b>49,356</b>	670
	<b>answered question</b>		<b>670</b>
	<b>skipped question</b>		<b>31</b>

**15. From your perspective, how strongly does your Institution encourage and support the scholarship of teaching and learning (defined as systematic reflection on teaching and learning)?**

<b>answered question</b>	<b>683</b>
<b>skipped question</b>	<b>18</b>

**15. From your perspective, how strongly does your Institution encourage and support the scholarship of teaching and learning (defined as systematic reflection on teaching and learning)?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Not at all</b>	5.0%	34
<b>Somewhat</b>	25.0%	171
<b>Moderate</b>	<b>43.6%</b>	<b>298</b>
<b>Very strong</b>	26.4%	180
	<b>answered question</b>	<b>683</b>
	<b>skipped question</b>	<b>18</b>

**16. From your perspective, how strongly does your Department encourage and support the scholarship of teaching and learning?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Not at all</b>	5.3%	36
<b>Somewhat</b>	22.1%	150
<b>Moderate</b>	<b>41.0%</b>	<b>279</b>
<b>Very strong</b>	31.6%	215
	<b>answered question</b>	<b>680</b>
	<b>skipped question</b>	<b>21</b>

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**17. From your perspective, how valued by your colleagues is the scholarship of teaching and learning?**

	<b>Response Percent</b>	<b>Response Count</b>
	<b>answered question</b>	<b>678</b>
	<b>skipped question</b>	<b>22</b>

**17. From your perspective, how valued by your colleagues is the scholarship of teaching and learning?**

<b>Not valued</b>	6.9%	47
<b>Somewhat valued</b>	25.5%	173
<b>Moderately valued</b>	<b>39.8%</b>	<b>270</b>
<b>Very valued</b>	27.7%	188
<b>answered question</b>		<b>678</b>
<b>skipped question</b>		<b>23</b>

**18. How strong is your interest in:**

	<b>Not at all</b>	<b>Mildly strong</b>	<b>Moderately strong</b>	<b>Very strong</b>	<b>Response Count</b>
<b>teaching Calculus I?</b>	1.7% (12)	11.6% (80)	34.2% (236)	<b>52.5% (363)</b>	691
<b>teaching more advanced math classes?</b>	2.6% (18)	9.6% (66)	32.9% (227)	<b>54.9% (378)</b>	689
<b>participating in activities that raise your awareness of how students learn key ideas in calculus?</b>	4.2% (29)	19.7% (136)	<b>39.2% (271)</b>	36.9% (255)	691
<b>improving your own teaching?</b>	1.0% (7)	6.5% (45)	28.1% (194)	<b>64.4% (445)</b>	691
<b>actively recruiting math majors?</b>	7.8% (54)	29.2% (201)	<b>36.0% (248)</b>	27.0% (186)	689
<b>answered question</b>					<b>691</b>
<b>skipped question</b>					<b>10</b>

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19. Please select the appropriate response below:

	memorize it the way it was presented 1	2	3	4	5	make sense of the material so that they understand it 6	Rating Average
When studying Calculus I in a textbook or in course materials, students tend to:	6.4% (44)	25.4% (174)	<b>32.8% (225)</b>	22.0% (151)	8.9% (61)	4.4% (30)	3.15
						answered question	skipped question

20. Please select the appropriate response below:

	a natural part of solving the problem 1	2	3	4	5	an indication of their weakness in mathematics 6	Rating Average
From your perspective, when students make unsuccessful attempts when solving a Calculus I problem, it is:	19.3% (132)	24.4% (167)	<b>31.8% (218)</b>	16.9% (116)	5.8% (40)	1.8% (12)	2.71
						answered question	skipped question

21. Please select the appropriate response below:

	<b>solve specific kinds of problems 1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>make connections and form logical arguments 6</b>	<b>Rating Average</b>
<b>From your perspective, student's success in Calculus I PRIMARILY relies on their ability to:</b>	2.6% (18)	11.3% (77)	19.1% (130)	<b>27.6% (188)</b>	26.0% (177)	13.2% (90)	4.03

answered question

skipped question

22. Please select the appropriate response below:

	<b>understand underlying mathematical ideas 1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>find answers to problems 6</b>	<b>Rating Average</b>
<b>From your perspective, in solving Calculus I problems, graphing calculators or computers help students:</b>	8.9% (60)	15.7% (106)	<b>24.3% (164)</b>	14.3% (97)	20.7% (140)	16.1% (109)	3.7

answered question

skipped question

23. Please select the appropriate response below:

answered question

skipped question

23. Please select the appropriate response below:

	work problems so students know how to do them 1	2	3	4	5	help students learn to reason through problems on their own 6	Rating Average	Re (
<b>My primary role as a Calculus instructor is to:</b>	0.1% (1)	1.9% (13)	8.2% (56)	20.1% (138)	<b>38.3% (263)</b>	31.3% (215)	4.89	

answered question

skipped question

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24. In my teaching of Calculus I, I intend to show students how mathematics is relevant.

	Response Percent	Response Count
<b>Strongly Disagree</b>	1.0%	7
<b>Disagree</b>	1.6%	11
<b>Mildly Disagree</b>	3.7%	25
<b>Mildly Agree</b>	17.3%	118
<b>Agree</b>	<b>47.9%</b>	<b>326</b>
<b>Strongly Agree</b>	28.5%	194

answered question **681**

skipped question **20**

**25. When I prepare to teach a challenging idea in Calculus I,**

	Never	Occasionally	Frequently	Always	Response Count
<b>I break the idea down into subskills</b>	1.0% (7)	18.4% (126)	<b>53.7% (367)</b>	26.9% (184)	684
<b>I look for application problems to motivate the idea</b>	1.3% (9)	29.8% (204)	<b>48.0% (329)</b>	20.9% (143)	685
<b>I discuss with colleagues the difficulties that students have with the idea</b>	7.6% (52)	<b>51.7% (355)</b>	35.4% (243)	5.2% (36)	686
<b>I use pre-assessments in the current class in order to inform how I will teach the idea</b>	<b>51.5% (352)</b>	35.1% (240)	10.2% (70)	3.2% (22)	684
<b>I look for ways to use technology to illustrate the idea</b>	15.5% (106)	<b>50.6% (347)</b>	27.0% (185)	7.0% (48)	686
<b>I follow how the textbook develops the idea</b>	2.2% (15)	40.4% (277)	<b>53.7% (368)</b>	3.6% (25)	685
<b>I look to alternate sources for different ways to teach the idea</b>	4.5% (31)	39.2% (269)	<b>45.5% (312)</b>	10.8% (74)	686
			<b>answered question</b>		<b>687</b>
			<b>skipped question</b>		<b>14</b>

**26. Does your Calculus I course have recitation sections taught by teaching assistants (TA's)?**

	Response Percent	Response Count
	<b>answered question</b>	<b>677</b>
	<b>skipped question</b>	<b>24</b>

**26. Does your Calculus I course have recitation sections taught by teaching assistants (TA's)?**

<b>Yes</b>	<b>23.3%</b>	<b>158</b>
<b>No</b>	<b>76.7%</b>	<b>519</b>
<b>answered question</b>		<b>677</b>
<b>skipped question</b>		<b>24</b>

**PAGE:**

**27. Gender**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Male</b>	<b>69.8%</b>	<b>475</b>
<b>Female</b>	<b>30.2%</b>	<b>206</b>
<b>answered question</b>		<b>681</b>
<b>skipped question</b>		<b>20</b>

**28. Age:**

	<b>Response Count</b>
	<b>661</b>
<b>answered question</b>	<b>661</b>
<b>skipped question</b>	<b>40</b>

**29. Race:**

<b>answered question</b>	<b>674</b>
<b>skipped question</b>	<b>27</b>



**29. Race:**

	<b>Response Percent</b>	<b>Response Count</b>
<b>American Indian or Alaskan Native</b>	0.7%	5
<b>Asian</b>	13.2%	89
<b>Black or African American</b>	3.1%	21
<b>Native Hawaiian or Pacific Islander</b>	0.0%	0
<b>White/Caucasian</b>	<b>79.1%</b>	<b>533</b>
<b>Other (please specify):</b>	3.9%	26
	<b>answered question</b>	<b>674</b>
	<b>skipped question</b>	<b>27</b>

**30. Ethnicity:**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Hispanic or Latino</b>	3.6%	24
<b>Not Hispanic or Latino</b>	<b>96.4%</b>	<b>634</b>
	<b>answered question</b>	<b>658</b>
	<b>skipped question</b>	<b>43</b>

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**31. Highest degree attained:**

	<b>answered question</b>	<b>678</b>
	<b>skipped question</b>	<b>22</b>
	<b>Response Percent</b>	<b>Response Count</b>

**31. Highest degree attained:**

<b>PhD</b>	<b>58.7%</b>	<b>398</b>
<b>EdD</b>	<b>0.7%</b>	<b>5</b>
<b>Masters</b>	<b>33.5%</b>	<b>227</b>
<b>Bachelors</b>	<b>7.1%</b>	<b>48</b>
	<b>answered question</b>	<b>678</b>
	<b>skipped question</b>	<b>23</b>

**32. Year highest degree obtained (YYYY):**

	<b>Response Count</b>
	<b>670</b>
	<b>answered question 670</b>
	<b>skipped question 31</b>

**33. Country in which undergraduate degree was obtained:**

<b>Country</b>					
	<b>United States of America</b>	<b>Andorra</b>	<b>United Arab Emirates</b>	<b>Afghanistan</b>	<b>Antigua &amp; Barbuda</b>
					<b>Anguilla</b>

**33. Country in which undergraduate degree was obtained:**

<b>Select from dropdown list &gt;</b>	<b>75.6% (504)</b>	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
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**34. Country in which highest degree was obtained:**

**Country**

	<b>United States of America</b>	<b>Andorra</b>	<b>United Arab Emirates</b>	<b>Afghanistan</b>	<b>Antigua &amp; Barbuda</b>	<b>Anguilla</b>
<b>Select from dropdown list &gt;</b>	<b>90.1% (601)</b>	0.4% (3)	0.3% (2)	0.0% (0)	0.0% (0)	0.0% (0)

**35. Highest degree field of study:**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Mathematics</b>	<b>74.4%</b>	<b>506</b>
<b>Applied Mathematics</b>	10.7%	73
	<b>answered question</b>	<b>680</b>
	<b>skipped question</b>	<b>21</b>

**35. Highest degree field of study:**

<b>Statistics</b>	1.3%	9
<b>Mathematics Education</b>	7.1%	48
<b>Other:</b>	6.5%	44
<b>answered question</b>		<b>680</b>
<b>skipped question</b>		<b>21</b>

**36. What is the last day of classes for this fall term?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Enter numbers as indicated &gt;</b>	<b>100.0%</b>	<b>673</b>
<b>answered question</b>		<b>673</b>
<b>skipped question</b>		<b>28</b>