

**SUMMARY REPORT:  
SPRING 2013 BEGINNING AND END OF TERM ASSESSMENT OF SUPPLEMENTAL INSTRUCTION CLASSES**

**SUMMARY**

The assessment of the beginning and end of term spring 2013 classes designated as Supplemental Instruction included the following methods:

1. A survey of SI students during the beginning days of the class. (For survey results, see Appendix 1. For a blank copy of the survey, see Appendix 6.)
2. A survey of students at the end of the class. (For survey results, see Appendix 2. For a blank copy of the survey, see Appendix 7.)
3. A survey of SI leaders at the end of the class. (For survey results, see Appendix 3. For blank copy of survey, see Appendix 8.)
4. A survey of SI class instructors at the end of the class. (For survey results, see Appendix 4. For blank copy of survey, see Appendix 9.)
5. An examination of SI attendance data. (See Appendix 5.)

Following is information gleaned from each method for the spring 2013 semester. An overall interpretation is included as well.

**BEGINNING OF TERM STUDENT SURVEY**

- Four hundred and forty-one students who were registered in spring 2013 SI classes completed this survey.
- A little less than two-thirds (61.9%) of the students surveyed didn't know they had registered for an SI class.
- Almost half (48.7%) didn't know that there were extra study sessions scheduled in addition to the regular class sessions.
- The two reasons chosen most frequently for deciding to enroll in the SI class were a fit with the student's schedule and being suggested by the student's advisor. Only 13.9% registered because of the SI sessions.
- Close to two-thirds of the students (62.8%) reported that they plan on attending most of the extra SI sessions.
- Close to two-thirds (62.2%) of the students surveyed that said they did not plan on attending the SI sessions will only attend if they need help.
- Almost all of the students surveyed (96.1%) thought the extra sessions would be helpful.
- The option selected most frequently for how the extra sessions might be helpful were the possibility of extra time to understand or get explanation of material (67.3%) and the improvement of skills (40%).

**END OF TERM STUDENT SURVEY**

- A total number of 288 students in 20 classes completed this survey.
- The most frequent reason provided by the 181 students who reported attending SI sessions was, "to get help with the information covered in class." Getting help preparing for tests or with homework were also frequent mentions. Sixty-seven of the students who attended sessions also mentioned getting extra credit as a reason. However, only 1 of these students gave this as the only reason.
- Close to two-thirds (63.3%) of the students reported attending the SI sessions. Of the students who attended, 97.2% reported that the sessions were helpful. There were 163 comments provided by the students who attended, which attest to the help and support provided in the SI sessions.
- The main reason given by the 105 students who reported not attending sessions was that they didn't need the extra help (53 students). Secondary reasons had to do with schedule conflicts, related to work schedules (46 students) or other classes (29 students). Only 1 student reported not knowing about the extra sessions.
- Of the study methods used by students, the most frequent was "Independent Study", reported by 85.6% of the students, on which they reportedly spent an average (median) of 4 hours per week.
- Most of the students selected this course on their own, as opposed to being referred by an advisor.

## **END OF TERM SI LEADER SURVEYS**

- Eight SI leaders completed this survey
- Regarding their participation in the actual classes, 7 of the 8 SI leaders reported that they always or frequently worked with individual students during class time. Six of the SI leaders reported that they always or frequently assisted students in group work. Another six indicated that they always observed and took notes.
- All of the leaders reported meeting with instructors outside of class time, with varying frequency. All but one leader, who did not respond to the question, indicated the instructors were helpful in providing information and guidance.
- Five leaders reported that the instructors would have been available, if needed. Three of the leaders did not respond to the question.
- Most provided SI session attendance information feedback to the instructors.
- The majority of the SI leaders thought that for SI sessions to make a difference in student performance as compared to non-SI classes, 50% - 75% of the sessions should be attended.
- Leaders provided some very useful information concerning their SI session experience.

## **END OF TERM SI CLASS INSTRUCTORS SURVEYS**

- Nine instructors completed surveys.
- Instructors reported that most frequently, SI leaders participation took the form of observing and taking notes, assisting students with group work, and/or working with individuals students during class time.
- Eight of the instructors indicated that SI leaders provided feedback on SI session attendance.
- Regarding what they did to encourage attendance at SI sessions, the most frequent response was “spoke about the sessions and their meeting times regularly in class”. Individually counseling students to attend was also a frequent response.
- Most thought that to make a difference, students should attend at least 50% of the sessions.
- Five of the instructors thought that there was no difference in the way they conducted these “SI” classes as opposed to classes in “traditional” formats.
- Instructors also provided some comments and suggestions for the future.

## **SUPPLEMENTAL INSTRUCTION SESSION ATTENDANCE REPORT**

- Twenty-four classes were examined, with the number of students still registered at the end of the term ranging from 10 to 35. Overall, 528 students were involved in this assessment.
- Across the 24 classes, there was considerable variation in attendance at sessions. The highest level of attendance was in a BIO115-SI: Physio. Chem..class. Lowest attendance was for a MAT251-SI: Calculus I class.
- Overall figures which varied considerably by class include:
  - Only 10.8% of the sessions held were attended by half or more of the students.
  - About one-fourth of the sessions held were attended by just 1 or 2 students
  - About 41% of the students didn’t attend any sessions.
  - About 41% of the students attended more than 1 or 2 sessions.
  - About 19% of the students attended half or more of the sessions

## **OVERALL INTERPRETATION**

Findings among the SI surveys administered in the beginning of term spring 2013 showed that about two-thirds of students didn’t know they had registered for a Supplemental Instruction class. The majority of students reported enrolling in a SI class because an advisor suggested it or because it fit the students’ schedules. The majority of students indicated on the early term survey that they planned to attend most of the extra SI sessions and they thought the sessions would be helpful.

Results from the end of term survey showed that close to two-thirds of the students surveyed reported attending at least one of the extra SI sessions. It’s important to note, however, that students from 4 of the classes surveyed in the beginning of the term did not complete the end of term survey. Although one of the main reasons given on the early term survey for enrolling in a SI class was because an advisor suggested it, results from the end of term survey indicated that the majority of students were not directed to the SI class by an advisor.

## APPENDICES

## APPENDIX 1

### SUPPLEMENTAL INSTRUCTION CLASSES - SPRING 2013 RESULTS: EARLY TERM STUDENT SURVEY

NUMBER SURVEYED	
Classes	Students
24	441

**1. Did you know before you came to class today that this is a Supplemental Instruction (SI) class?**

Response	N <sup>1</sup>	%
Yes	167	38.1
No	271	61.9

**2. Did you know that SI means that there are extra study sessions scheduled in addition to the class meeting times?**

Response	N <sup>1</sup>	%
Yes	225	51.3
No	214	48.7

**3. Why did you decide to enroll in this class? (You may check more than one.)**

Response	N	%
Because of the SI sessions	61	13.9
Because the class fit my schedule	244	55.5
Because of the instructor	64	14.5
Because my advisor suggested it	200	45.5
Other	82	18.6

**4. Do you plan on attending most of the extra SI sessions?**

Response	N <sup>1</sup>	%
Yes	270	62.8
No	151	35.1
Yes & No	3	0.7
Other Responses (e.g., some, not sure, most likely, I'm going to try, etc.)	6	1.4

**4. (Continued)**

If “NO,” why not? (Check one)

Response	N <sup>2</sup>	%
Will only attend if I need help	122	62.2
Don't need help	4	2
Class conflict	40	20.4
Comfortable with material	14	7.1
Work conflict	36	18.4

**5. Do you think the extra sessions might help you?**

Response	N <sup>1</sup>	%
Yes	421	96.1
No	16	3.7
Maybe	1	0.2

**5. (Continued)**

If you said “YES,” how might they help you? (Check one)

Response	N <sup>3</sup>	%
Extra help	150	36.3
Improve my skills	165	40
Extra time to understand or get explanation of material	278	67.3
Get good grades	151	36.6
Extra practice	144	34.9
Other	7	1.7

**5. (Continued)**

If you said “NO,” why not? (Check one)

Response	N	%
Class time is sufficient	7	29.2
Skills are fine	12	50
Other	5	20.8

<sup>1</sup> N's might not total 441 due to some missing responses.<sup>2</sup> Total number of responses exceeds the number of students that said they did not plan on attending most of the extra SI sessions because some of the students that responded “yes” to attending the SI sessions still responded to the question.<sup>3</sup> Several students selected more than one response.

## APPENDIX 2

### SUPPLEMENTAL INSTRUCTION CLASSES - SPRING 2013 RESULTS: END OF TERM STUDENT SURVEY

NUMBER SURVEYED	
Classes <sup>1</sup>	Students
<b>20</b>	<b>288</b>

**1. The SI format includes sessions held with tutors in addition to regular class meetings. How many of these SI sessions were offered each week for your class?**

Response	N <sup>2</sup>	%
<b>One</b>	<b>53</b>	<b>18.7</b>
<b>Two</b>	<b>199</b>	<b>70.3</b>
<b>Other (Please explain.)</b>	<b>20</b>	<b>7.1</b>
<b>Don't know</b>	<b>11</b>	<b>3.9</b>

**Explanations provided:**

- 1 Four time
- 2 3 Mon. Wed. Fri
- 3 3
- 4 After every class
- 5 More then 5
- 6 There were quite a few
- 7 But it was supposed to be 2
- 8 Every class
- 9 After every class
- 10 When I needed it
- 11 Everyday
- 12 Everyday
- 13 Almost everyday
- 14 Every class
- 15 Every day
- 16 Usually 2 sometimes more or less.
- 17 More than 10
- 18 Two sometimes 3
- 19 At least 3x a week
- 20 Everyday
- 21 2 – 3 a week

**2. Did you attend any of the SI sessions?**

Response	N <sup>2</sup>	%
<b>Yes</b>	<b>181</b>	<b>63.3</b>
<b>No</b>	<b>105</b>	<b>36.7</b>

- 1 || Had schedule conflict
- 2 || Once before

*IF NO, please skip to Question 6*

*IF YES, please answer Questions 3 through 5*

**3. Approximately how often did you attend the SI sessions? Choose the response which best describes your attendance.**

Response	N <sup>3</sup>	%
<b>Almost always</b>	<b>80</b>	<b>42.1</b>
<b>Frequently</b>	<b>45</b>	<b>23.7</b>
<b>Just sometimes</b>	<b>40</b>	<b>21.1</b>
<b>Hardly ever</b>	<b>27</b>	<b>14.2</b>

- 1 || I went after class... of the days that we have S.I.

**4. Why did you attend the SI sessions? (You may check more than one.)**

Response	N	%
<b>To get help with the information covered in class</b>	<b>145</b>	<b>78.4</b>
<b>To get help with homework</b>	<b>108</b>	<b>58.4</b>
<b>To get help preparing for tests</b>	<b>121</b>	<b>65.4</b>
<b>To get extra credit</b>	<b>67</b>	<b>36.2</b>
<b>Other (Please explain.)</b>	<b>24</b>	<b>13</b>

- 1 | To memorize
- 2 | To understand the notes better
- 3 | Didn't attend
- 4 | Finish a test
- 5 | Make up quiz
- 6 | To make up tests
- 7 | I'm being graded on attendance
- 8 | Never went
- 9 | Make-up test
- 10 | Make up test
- 11 | Also have a class in the same room right after
- 12 | Did not attend
- 13 | Enjoyed discussions on class topics.
- 14 | Use of the time to cover topics as a group. This method helped me understand some of the more complex topics covered in class
- 15 | To review information went over in class
- 16 | To get work done
- 17 | To get all my work done at school
- 18 | Because... is hot obviously
- 19 | Better my math.
- 20 | To finish a quiz
- 21 | To understand math problems in a different perspective
- 22 | 2hr class time wasn't enough to complete projects
- 23 | Finish projects from class

- 24 | Extra time in the lab to use MATLAB (crucial/essential)
- 25 | Work on lab assignments to have done for next class
- 26 | Complete projects

**5. Were the sessions you attended helpful?**

Response	N	%
Yes	175	97.2
No	3	1.7
Yes & No	1	0.6
Kinda	1	0.6

**If “YES”, how were they helpful?**

- 1 | They helped to understand what was covered
- 2 | ...was helpful by explaining to me how to properly solve the equations I was having trouble with
- 3 | I had help on certain parts of a chapter.
- 4 | The instructor was knowledgeable of the class and was able to explain things in a good simple way.
- 5 | Able to be more individualized and go over topics with more time.
- 6 | He answer & explain all question asked
- 7 | They helped me with notetaking, homework, and tests.
- 8 | Got homework done at the same time answering questions I had in class
- 9 | ...explained everything slower and easier and made it easier to understand
- 10 | Explained how to do concepts
- 11 | ...pass math class.
- 12 | He was very knowledgeable
- 13 | They were helpful in learning how to do problems I had trouble with.
- 14 | Because it helped me get ready for the upcoming tests.
- 15 | It gave me a chance to help prepare me for tests or quizzes.
- 16 | ...was very good at breaking down problems to help me understand. ...was very patient and an all around good instructor
- 17 | ...was wonderful explained things in simple format
- 18 | The material was explained further and on a one-one basis
- 19 | Having more understanding of the materials taught in class (1 on 1)
- 20 | Sometimes just needed a breakdown of what was in class
- 21 | I understood the math better.
- 22 | I love...
- 23 | Extra time to cover information and ask questions
- 24 | They made things more clear
- 25 | We reviewed our class concepts and it helped to reinforce them.
- 26 | Individual attention
- 27 | Helped hammer the information home with knowledgeable SI.
- 28 | Helped me understand the material.
- 29 | Explanations for...
- 30 | Gave me opportunity for more practice
- 31 | Extra coverage of material
- 32 | ...did a great job, was very helpful talking us through problem solving.
- 33 | Whew I had trouble with some problems the SI helped me understand it better
- 34 | Other students have differen view points
- 35 | Any extra help is helpful

36 Helped in understanding the material slowly and more in-depth  
37 Material that was misunderstood in class was explained to me.  
38 Info was covered with more detail  
39 Cleared up a lot of topics that we may have skimmed over during class.  
40 They helped me to better understand the material covered in class  
41 ...was able to explain the process in many ways to help better understand material  
42 To get extra help.  
43 Further instructions and always helpful  
44 Reinforced what was learned in class, helped get through homework.  
45 The sessions gave an additional in depth look of the material.  
46 I wouldn't understand the class work and he helped me understand it  
47 We did the homework together  
48 Informative and explained a lot  
49 Answered any questions I may have and helped with my homework.  
50 Because if one teacher can't put it in a way you can understand it, people at the SI  
sessions can.  
51 Insightful – more in depth explanations  
52 Helped go over the material more detailed  
53 The SI tutor was able to explain it differently than the professor so I was able to  
understand.  
54 Helped clarify topics discussed in class  
55 The tutor helped me to get a better understanding on the work that was confusing  
56 The Si was very knowledgeable. I learned a lot better.  
57 I got my homework done, while getting assistance if I was stuck. Also prep for test  
was very helpful.  
58 The tutor was very helpful and informative  
59 I was able to complete my class work.  
60 Preparing for tests better  
61 To understand more  
62 I better understand what I struggled with  
63 In learning everything  
64 Very! I was able to ask questions after having studied the material myself – concepts  
clarified more detailed.  
65 The SI teacher always goes over everything done in class, and with more details  
sometimes which was very helpful.  
66 Reinforced the material or covered things I was unsure about.  
67 The opportunity of being able to receive extra help was kee for a good grade and  
grasping the topic  
68 Help me to understand the lecture better.  
69 Reinforce understanding of material presented in class  
70 Because they reviewed the material from the week before  
71 They gave me a better grasp by learning it a different way.  
72 They explained problems thoroughly.  
73 SI leader took the time to patiently answer everyone's questions.  
74 Helpful because I learned the material better hands on after class  
75 They allowed me to see where I was confused during lecture. I also liked relearning  
from someone other than the professor.  
76 I was able to fully understand what I learned.  
77 Clarified problems  
78 Very helpful. Went over everything thoroughly  
79 They helped me understand the class better and helped do better in test.

80 We went over the things we did in class and practice problems  
81 The SI sessions were helpful because it helped me understand the material better and  
also was helpful for test reviews.  
82 Studying  
83 Gave me more insight to what was covered in class.  
84 Understand more content.  
85 SI answered all questions asked in an understanding manner.  
86 Overview of certain subjects, before I did not know how to do the binary  
conversions with the review I understand how to do it  
87 Explained a new way for remembering problems.  
88 It helped me with understanding the information better.  
89 Explained things so I could understand better  
90 With all of it  
91 They helped me work through problems I didn't understand or got stuck on.  
92 ...explained formulas and how to solve equations  
93 Explain a lot to me  
94 ...had a nice butt which made me remember my numbers  
95 Help me answer questions I had  
96 ...broke everything down for me  
97 I understood what we learned in class  
98 ...was very helpful with further explaining the material covered in class.  
99 Independent till I needed help then given... help to keep me going on assignments.  
100 I was able to do my work and get help if I needed it  
101 Helped with any problems of confusion  
102 ...always helped when I had questions  
103 ...is extremely thorough when teaching material. His calm demeanor creates a stress-  
free learning environment.  
104 The best  
105 They helped me get certain problems fixed  
106 They helped me understand the material a lot better  
107 Had time to do the homework with a tutor available.  
108 Had extra time to understand work and homework  
109 Was able to understand what was taught by the teacher in class.  
110 They helped me prepare for tests and get answers to questions we didn't cover in  
class.  
111 They made me understand what we were doing in class. ...was extremely helpful.  
112 SI helped me improve in my homework skills  
113 It was extremely helpful whenever I was stuck on something SI was totally reliable  
and I wish College Algebra had one  
114 I understood clearly the work that I couldn't understand in class that day.  
115 It helped me to understand better.  
116 I got the extra help I needed to help me with my test and homework.  
117 Because it made me understand the problems clearly  
118 I understand the material a little more.  
119 I understood the material better and got bonus points for attending  
120 The SIs were very helpful when it came to helping me get a better understanding of  
the material  
121 They helped me to understand the material  
122 Because they helped us on things we didn't understand very helpful  
123 Without SI math would have been a struggle. SI helped me stay in this class  
124 We practiced what we learned Helped us better ourselves.

125 They helped me better understand the course.  
126 Information was able to be explained further.  
127 We were able to do lab work that we could not finish on regular class time  
128 Explain in detail project  
129 Provided time to finish assignments that were not possible to finish in class. Also,  
more time to use MATLAB. (Only place with MATLAB available).  
130 The SI sessions helped us complete our assignments  
131 Gave extra time for labs and help if needed  
132 Added needed extra time to complete work  
133 She was very attentive in going over the material  
134 Pretty helpful  
135 I got my homework done correctly  
136 Things were explained differently  
137 Often in a classroom things are covered quickly – with SI you have an opportunity to  
get clarification along with one on one help on issues you are struggle with.  
138 Good explanation  
139 Clarified my questions  
140 ...explained the answers to my questions thoroughly  
141 Understand better  
142 I was able to have more idea about the topic  
143 Sometimes they were helpful sometimes they were stressful and competitive.  
144 Helped me understand the material  
145 Helped me get sheets of notes on tests  
146 The sessions kept me caught up with everything related to the class.  
147 Explained material.  
148 ...Explained materials more in depth  
149 Very informative and interactive  
150 They helped me better understand criteria.  
151 ...tried to explain me everything.  
152 They helped me to understand better what was taught in class and also prepare for  
test  
153 The S.I. sessions helped me understand homework and test problems.  
154 Help with HW. Reviewed for test.  
155 Nice having more time to go over material at a slower pace.  
156 ...taught things in different ways  
157 ...clarified a few points and help us prepare for all the tests  
158 Going over class work I did not understand , Homework helped me out.  
159 Helped review all class lecture material & prep for exams - ...was very patient and  
fun about learning.  
160 ...is very good at explaining the topic covered in class  
161 Helped me understand the materials covered in class more.  
162 Let us get more practice or information.  
163 Helped me understand the material better

**If “NO”, please explain.**

1 Needed more one on one with somebody helping me.  
2 Didn't attend  
3 Did not attend  
4 I honestly only wanted to observe so it continually increased in discomfort . But... is  
very smart, and very willing.

Now go to Question 7.

**6. Why didn't you attend any of the SI sessions? (You may check more than one answer.)**

Response	N	%
Because I had another class during the SI session time	29	22.8
Because the session time conflicted with my work schedule	46	36.2
Because of child-care matters	5	3.9
Because I didn't need the extra help	53	41.7
Because I didn't know about the extra sessions	1	0.8
Other (Please explain.)	19	15

- 1 I wish I had the time to so it would off helped out a lot
- 2 Didn't have the time to go to them. Would have love to attend them but just couldn't make the time for it.
- 3 I went to tutoring sometimes
- 4 I went to the SI sessions
- 5 I always tried to attend
- 6 Finish test
- 7 appointment
- 8 Probably should have went
- 9 I always studied for my other classes with the time.
- 10 Having it on a different day was too inconvenient
- 11 Went home to do the work on my own.
- 12 ½ the time
- 13 I will need it for my next course
- 14 Didn't want to go
- 15 Attended all sessions
- 16 When signing up w/advisor they didn't tell me that this was a special class had... informed me of the SI I would have changed my schedule so I could attend
- 17 I had work during the sessions
- 18 I was following along at a good pace
- 19 Missed only one due to a paper

**7. Whether you attended any of the SI sessions or not, check which other study methods you used. Then indicate about how many hours per week you spent on each method you check.**

Method	N	%	Number of hours per week				
			N	Range	Mean	Median	Mode
Independent study	243	85.6	234	0.5 - 48	5.5	4	2
Being tutored (for example in the college's Tutoring Center)	63	22.2	56	1 - 15	3.6	2	2
Working with another student	93	32.7	85	0.5 - 20	3	2	2
Working with a group of students	76	26.8	71	0.25 - 20	3.3	2	2
Other (Please describe.)	26	9.2	14	2 - 8	3.4	2.8	2

- 1 SI
- 2 Practice online
- 3 Math Lab
- 4 SI sessions weekly

- 5 | I knew the material
- 6 | Home or math lab. Whenever suggested in class.
- 7 | Worked in Math Tutoring center w/SI leader but not during SI sess.
- 8 | Google + and hangout with other students.
- 9 | Khen Academy
- 10 | Father helped
- 11 | Boyfriend, step mom, dad
- 12 | My self
- 13 | Online reviews
- 14 | Math lab review
- 15 | Teacher help
- 16 | In SI; some group review
- 17 | Recalled previous knowlege
- 18 | Homework (online)
- 19 | Don't work well with others
- 20 | In SI
- 21 | Mother helping
- 22 | Everyday
- 23 | Tutor
- 24 | Tutoring hrs outside class
- 25 | S.I.
- 26 | Depend if we had a test or project

**8 (a). Were you directed to this SI class by an advisor?**

<b>Response</b>	<b>N<sup>2</sup></b>	<b>%</b>
<b>Yes</b>	<b>87</b>	<b>30.9</b>
<b>No</b>	<b>195</b>	<b>69.1</b>

- 1 | Found out in class
- 2 | No advisor informed me of SI. Did not find out until in class.
- 3 | My professor ...
- 4 | Didn't know this was an SI course!

**8 (b). IF YES, was this a faculty advisor or an advisor in NECC's Advising Center?**

<b>Response</b>	<b>N</b>	<b>%</b>
<b>Faculty advisor</b>	<b>44</b>	<b>50.6</b>
<b>Advisor from Advising Center</b>	<b>28</b>	<b>32.2</b>
<b>Both</b>	<b>1</b>	<b>1.1</b>

<sup>1</sup> There were 24 total SI classes; however, 4 classes did not complete surveys.

<sup>2</sup> N's might not equal 288 due to some missing responses.

<sup>3</sup> Two students selected more than one response.

**APPENDIX 3**

**SUPPLEMENTAL INSTRUCTION CLASSES – SPRING 2013  
RESULTS: END OF TERM SI LEADER SURVEY**

**NUMBER SURVEYED = 8**

**PART A. PARTICIPATING IN THE SI CLASSES (*As opposed to your SI Leader Sessions*)**

**1. As far as my attendance in the SI classes, I:**

<b>Response</b>	<b>N</b>
<b>Attended all of the classes</b>	<b>5</b>
<b>Missed 1 or 2 classes</b>	<b>3</b>
<b>Missed 3 or 4 classes</b>	<b>0</b>
<b>Missed more than 4 classes</b>	<b>0</b>

**2. The following questions ask about your participation in the SI classes. Please use the rating scale provided to indicate the frequency with which you did each of the following in the SI class meetings:**

<b>Response</b>	<b>N of SI leaders reporting</b>			
	<b>Never</b>	<b>Sometimes</b>	<b>Frequently</b>	<b>Always</b>
<b>Assisted students in group work</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>3</b>
<b>Functioned as an instructor</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>3</b>
<b>Worked with individual students during class time</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>4</b>
<b>Observed and took notes</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>6</b>
<b>Other (Please describe.):</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Other (Please describe.):</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

**Comments:**

- 1 || Recorded lecture audio
- 2 || Held review (with extra credit) before midterm & final

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**PART B. WORKING WITH THE SI CLASS INSTRUCTOR****3. Did you meet with the instructor outside of class?**

<b>Response</b>	<b>N</b>
<b>Yes</b>	<b>8</b>
<b>No</b>	<b>0</b>

*IF NO, skip to Question 5.*

*IF YES, answer Question 4.*

**4. How often did you meet with the class instructor?**

<b>Response</b>	<b>N</b>
<b>Just once before the semester began</b>	<b>0</b>
<b>About weekly</b>	<b>2</b>
<b>About every other week</b>	<b>3</b>
<b>About once a month</b>	<b>0</b>
<b>Other (Please specify):</b>	<b>3</b>

1 || After class approx.. 5 – 15 min.

2 || Usually after each class.

3 || I met with the instructor when... had some special assignments for the class.

*Now go to Question 5.*

**5. Did you feel that you sometimes needed or wanted help from the classroom instructor?**

<b>Response</b>	<b>N</b>
<b>Yes</b>	<b>6</b>
<b>No</b>	<b>2</b>

1 || ...knew how much I could handle

*IF NO, skip to Question 7.*

*If YES, answer Question 6.*

**6. How helpful was the instructor in providing you with the guidance and information that you wanted for your SI sessions?**

<b>Response</b>	<b>N</b>
<b>Very helpful</b>	<b>7</b>
<b>Somewhat helpful</b>	<b>0</b>
<b>Mostly unhelpful</b>	<b>0</b>
<b>Very unhelpful</b>	<b>0</b>

*Now go to Part C.*

**7. Do you feel that the instructor would have been available if needed?**

<b>Response</b>	<b>N</b>
<b>Yes</b>	<b>5</b>
<b>No</b>	<b>0</b>

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## **PART C. STUDENTS AND THE SI SESSIONS**

**8. Did you provide feedback to the instructor on student attendance at SI sessions?**

<b>Response</b>	<b>N</b>
<b>Yes</b>	<b>7</b>
<b>No</b>	<b>1</b>

*IF NO, skip to Question 10.*

*If YES, answer Question 9.*

**9. Was this general feedback about attendance or about individual student's attendance?**

Response	N*
General	2
About individual students	1
Both about attendance in general and individual students	6

*Now go to Question 10.*

**10. In your opinion, in order for SI sessions to make a difference in student performance as compared to classes without SI sessions, approximately how many SI sessions should a student attend?**

Response	N*
Close to 100% of them	1
About 75% of them	3
About 50% of them	3
About 25% of them	0
Other (Please specify):	2

1 || That depends on the student. Some students need to attend 100% of sessions, others only need 25%.

**11. Concerning your experience as an SI Leader:**

**a. What would you say were the top 1 or 2 positive aspects?**

- 1 | I loved the chance to reiterate the instructor's instructions, and I liked working with students on different ways to understand materials.
- 2 | Positive aspects would be seeing the students who come to the si sessions improve compared to the students who didn't attend. Another positive aspect would be forming relationships with the students over time allowing for better communication of information.
- 3 | 1) Really saw that SI was having a positive, significant impact on students understanding and grades. 2) Forced me to master the material in a different way to help others understand difficult concepts
- 4 | I enjoyed helping students to understand difficult material. Sometimes students just need a little help to fully understand a concept and I liked helping them.
- 5 | ...was supportive of my efforts as an SI and some of the students were very dedicated and come almost always.

- 6 | 1 The respect I got from ALL the students. 2 The desire of those students, who were unsure, to want additional help.
- 7 | Working with other students and helping build confidence in students.
- 8 | 1-The appreciation that the students had for the help that was given to them. 2-The interest that the students had towards the material that was given to them.

**b. What were the top 1 or 2 negative aspects?**

- 1 | I would love to see an easier way to track student attendance in SI sessions, perhaps through Blackboard.
- 2 | Negative aspects would be seeing students who don't go to the SI sessions do poorly when I know I could have improved their skills in the sessions. The only other thing I can think of is having to hear the question "when are we going to use this in life? Why do we need this? If im never going to use this why do I need to do it here?"
- 3 | 1) Felt more responsible for students success/failures even though their grades depended on the time they invested on their own
- 4 | I hope the program continues for classes like this one
- 5 | I found the SI experience to be 100% positive.
- 6 | Sometimes only one or two dedicated students would show up and the rest would not come until an exam was close.
- 7 | 1 The lack of attendance at SI sessions, especially a few students who really needed extra help.
- 8 | Nothing
- 9 | 1-The ability of the student to grasp and remember the material

**12. Please provide any other comments or suggestions.**

- 1 | I would love to see more music classes be included in SI programs.
- 2 | I love being an SI leader and Rebecca Rose is awesome.
- 3 | I hope the program continues for classes like this one
- 4 | I enjoyed being an SI. Thank you for the opportunity.
- 5 | The SI students who did not attend sessions were unable to stay after class because of the need to use the shuttle service. If they had taken the class in Lawrence I think the participation would have been greater.
- 6 | The faculty make this very rewarding and make helping their classes easy

*\*One student selected more than one response*

**APPENDIX 4**

**SUPPLEMENTAL INSTRUCTION CLASSES – SPRING 2013**

**RESULTS: END OF TERM INSTRUCTOR SURVEY**

NUMBER SURVEYED = 9

**PART A. SI SESSION LEADER(S) PARTICIPATION IN YOUR SI CLASSES**

**1. The SI tutor(s) assigned to my class:**

<b>Response</b>	<b>N</b>
<b>Attended all of the classes</b>	<b>6</b>
<b>Missed 1 or 2 classes</b>	<b>2</b>
<b>Missed 3 or 4 classes</b>	<b>0</b>
<b>Missed more than 4 classes</b>	<b>1</b>

**2. The following questions ask about the participation of your SI Leader(s) in your SI classes. Please use the rating scale provided to indicate the frequency with which your SI Leader(s) did each of the following in the SI class meetings:**

<b>Response</b>	<b>N* of instructors reporting</b>			
	<b>Never</b>	<b>Sometimes</b>	<b>Frequently</b>	<b>Always</b>
<b>Assisted students in group work</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>4</b>
<b>Functioned as an instructor</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Worked with individual students during class time</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>Observed and took notes</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>6</b>
<b>Other</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3</b>

**Comments:**

1 || Presented certain material when asked. Great at alternative methods, great at encouraging students...

**PART B. WORKING WITH THE SI LEADER(S)**

**3. Did you meet with the SI Leader(s) outside of class?**

Response	N*
Yes	7
No	1

- 1 || Would stay after class and talk
- 2 || Only when...had a question about materials etc. it was very infrequent

*IF NO, please skip to Question 5.*

*IF YES TO QUESTION 3, please answer Question 4.*

**4. How often did you meet with the SI Leader(s)?**

Response	N
Just once before the semester began	1
About weekly	2
About every other week	3
About once a month	0
Other (Please specify.)	3

- 1 || We met briefly; about every week or two. We did keep in touch by email and text. Great communication.
- 2 || Frequently met before and after class.
- 3 || I saw... EVERYDAY, ...was my student and my SI. We talked about various things, but almost always talked about SI.

**Now go to Question 5.**

**5. Did you feel that the SI Leader(s) at least sometimes needed or wanted help from you, the classroom instructor?**

Response	N
Yes	5
No	4

*IF NO, skip to Part C, Question 7.*

*IF YES TO QUESTION 5, answer Question 6.*

**6. Were you able to be available to the SI Leader(s) when they requested help?**

<b>Response</b>	<b>N</b>
<b>Yes</b>	<b>5</b>
<b>No</b>	<b>0</b>

*Now go to Part C, Question 7.*

**PART C. STUDENTS AND THE SI SESSIONS**

**7. Did the SI Leader(s) provide feedback to you on student attendance at SI sessions?**

<b>Response</b>	<b>N</b>
<b>Yes</b>	<b>8</b>
<b>No</b>	<b>1</b>

*IF NO, skip to Question 9.*

*IF YES TO QUESTION 7, answer Question 8*

**8. Was this general feedback about attendance or about individual student's attendance?**

<b>Response</b>	<b>N</b>
<b>General</b>	<b>3</b>
<b>About individual students</b>	<b>1</b>
<b>Both about attendance in general and individual students</b>	<b>5</b>

<sup>1</sup> || I gave 5 points to students who attended so I needed to know

*Now go to Question 9.*

**9. What did you do, if anything, to encourage students to attend the SI sessions?**

Response	N**
Spoke about the sessions and their meeting times regularly in class	9
Discussed the content of the sessions during class	3
Individually counseled students to attend	8
Gave students extra credit points for attendance	5
Other	1

- 1 || Gave take home quizzes...could help with
- 2 || Encouraged graded take home assignments be worked on in SI and required test corrections for those who failed a test be done in SI with the SI leader available for question

**10. In your opinion, in order for SI sessions to make a difference in student performance as compared to classes without SI sessions, approximately how many SI sessions should a student attend?**

Response	N
Close to 100% of them	1
About 75% of them	1
About 50% of them	3
About 25% of them	1
Other (Please specify.):	3

- 1 || As needed

**11. On the average, what percentage of your students regularly attended the SI sessions?**

(Estimates ranged from less than 20 to 75.)

- 1 || Do not know
- 2 || Low

**12. Other than having SI Leader(s) in the classrooms and the supplemental sessions, are there differences in the way you conduct classes in SI formats as opposed to traditional formats?**

Response	N*
Yes	4
No	5

**IF YES:**

**13. Please explain the differences.**

- 1 I could have more interaction among students and students felt very comfortable asking both...and myself questions.
- 2 Was more comfortable give them written assigned work because I knew we could get to more people to help them in the class
- 3 I am able to do more with the graphing calculator because I have an assistant to help reach each student as they make errors and the SI Leader helps even MORE if I do not have access to TI Smartview in my classroom.

**14. Please provide any other comments or suggestions.**

- 1 I might try to have my next SI leader look at the students' tests/quizzes and then be able to know what specific students are struggling with.
- 2 Students still seem to have course conflicts with the scheduled SI sessions. In the future this needs to be minimized. Also, I do not believe in extra credit for the SI session because of course and other student conflicts. Students should not be penalized because of conflicts.
- 3 I feel like SI is really...based on SI sessions but having...during class was most helpful – one students really benifited out side the class as well as others ...was very flexible!
- 4 I think that this could be such a great program, but the difficulty is that the vast majority of the students when they registered for the class didn't even know that it was a SI section. I have asked students in my other classes if they know what a SI section is and again most don't have any idea about it. I think that so many students could benefit from these types of classes if they knew what they were, but I know that so many of our students' focus is just getting a class that fits into the schedule they want.
- 5 I believe a student is more apt to benefit from SI help in Basic Algebra II if they have experienced SI assistance in their Basic Algebra I class first. At least that is what I found to be the case with 3 of my students who actually sought to be in my class because they knew they wanted to be in an SI class having been in an SI class in Basic Algebra I. It does NOT take any convincing of the students to attend SI if they have already seen the benefits in a prior course. Also, the students in Basic Algebra I and II are often so intimidated by math that they are even afraid to go into the Math Center for help but feel more comfortable by just staying on after class with their classmates to get assistance with the lesson of the day. Additionally, the SI Leader has seen the presentation of material and is more likely to reinforce how a concept was introduced in the same fashion as the professor. Finally, the students seem to make lasting friendships with the students they work with in the SI session.

\* *N's may not total number of responses due to some missing responses.*

\*\* *Totals across responses may exceed total number of students surveyed because more than one response could be selected.*

**APPENDIX 5**

**SUPPLEMENTAL INSTRUCTION CLASS REPORT: SPRING 2013**

**OVERALL TOTALS**

<b>Spring 2013</b>	
	<b>Overall Totals</b>
<b># of students registered at end</b>	528
<b># of SI Leader sessions scheduled</b>	567
<b># of SI Leader sessions held</b>	546
<b># of SI Leader sessions with attendance data</b>	530
<b><u>Sessions</u> which 50% or <u>more</u> of students attended.</b>	57 (10.8%)
<b><u>Sessions</u> attended by 1 or 2 students</b>	122 (23%)
<b># of <u>students</u> who <u>did not attend any</u> sessions</b>	217 (41.1%)
<b># of <u>students</u> attending <u>more than 1 or 2</u> sessions</b>	216 (40.9%)
<b># of <u>students</u> attending <u>half or more of</u> sessions</b>	99 (18.8%)

**APPENDIX 6**

Spring 2013

**NECC Beginning of Term Survey of Students in Supplemental Instruction (SI) Classes**

**To students in classes designated as Supplemental Instruction (SI):**

*At NECC, we are interested in learning more about what happens in the SI classes and in the extra sessions scheduled along with the class. This includes knowing students' thoughts about and experiences with this format. One way we plan to do this is by asking students to answer a few questions in writing after each SI session. Your SI tutors will be giving you these surveys. Also, we would appreciate your completing the brief survey below, and then another one at the end of the semester.*

*We appreciate your taking the time to share your thoughts and feelings. This information will be very helpful in our planning and in improving our programs.*

.....  
**NAME:** \_\_\_\_\_ **CLASS NAME:** \_\_\_\_\_

**1. Did you know before you came to class today that this is a Supplemental Instruction (CI) class?**

- YES  NO

**2. Did you know that SI means that there are extra study sessions scheduled in addition to the class meeting times?**

- YES  NO

**3. Why did you decide to enroll in this class? (You may check more than 1.)**

- Because of the SI sessions  
 Because the class fit my schedule  
 Because of the instructor  
 Because my advisor suggested it  
 Other (Please explain)

**4. Do you plan on attending most of the extra SI sessions?**

- YES  NO

If "NO", why not? (Check one)

- Will only attend if I need help  Class conflict  Work conflict  
 Don't need help  Comfortable with material

**5. Do you think the extra sessions might help you?**

- YES  NO

If you said “YES”, how might they help you? (Check one)

- Extra help       Extra time to understand or get explanation of material       Extra practice  
 Improve my skills       Get good grades       Other

If you said “NO”, why not? (Check one)

- Class time is sufficient       Skills are fine       Other

*THANK YOU!*

**APPENDIX 7**

Spring 2013

**NECC End of Term Survey of Students in Supplemental Instruction (SI) Classes**

*At NECC, we are interested in learning more about what happens in the SI classes and in the extra sessions scheduled along with the class. This includes knowing students' thoughts about and experiences with this format. For these purposes, we would appreciate your completing the brief survey below.*

*We appreciate your taking the time to share your thoughts and feelings. This information will be very helpful in our planning and in improving our programs.*

.....  
**NAME:** \_\_\_\_\_ **CLASS NAME:** \_\_\_\_\_

**1. The SI format includes sessions held with tutors in addition to the regular class meetings. How many of these SI sessions were offered each week for your class?**

- One
- Two
- Other (Please explain.) \_\_\_\_\_
- Don't know

**2. Did you attend any of the SI sessions?**

- YES
- NO

*IF NO, please skip to Question 6*

*IF YES, please answer Questions 3 through 5*

**3. Approximately how often did you attend the SI sessions? Choose the response which best describes your attendance.**

- Almost always
- Frequently
- Just sometimes
- Hardly ever

**4. Why did you attend the SI sessions? (You may check more than one.)**

- To get help with the information covered in class
- To get help with homework
- To get help preparing for tests

- To get extra credit
- Other (Please explain.): \_\_\_\_\_

**5. Were the sessions you attended helpful?**

- YES
- NO

If "YES", how were they helpful? \_\_\_\_\_  
 \_\_\_\_\_

If "NO", please explain. \_\_\_\_\_  
 \_\_\_\_\_

*Now go to Question 7.*

**6. Why didn't you attend any of the SI sessions? (You may check more than one answer.)**

- Because I had another class during the SI session time
- Because the session time conflicted with my work schedule
- Because of child-care matters
- Because I didn't need the extra help
- Because I didn't know about the extra sessions
- Other (Please explain.): \_\_\_\_\_

**7. Whether you attended any of the SI sessions or not, check which other study methods you used. Then indicate about how many hours a week you spent on each method you check.**

	Method	Number of hours per week
	<b>Independent study</b>	
	<b>Being tutored (for example in the college's Tutoring Center)</b>	
	<b>Working with another student</b>	
	<b>Working with a group of students</b>	
	<b>Other (Please describe.):</b>	
	<b>Other (Please describe.):</b>	

**8. Were you directed to this SI class by an advisor?**

- YES
- NO

**IF YES**, was this a faculty advisor or an advisor in NECC's Advising Center?

- Faculty advisor
- Advisor from Advising Center

**THANK YOU!**

**APPENDIX 8**

Spring 2013

**NECC Survey of Supplemental Instruction (SI) Session Leaders**

*At NECC, we are interested in learning more about your role as an SI Session Leader, and your perception of the effectiveness of the current SI format. Towards these goals, we would appreciate your responses to the questions on this survey. Your answers will be combined with the responses of the other fall 2012 SI Leaders, and will not be individually identifiable.*

*We appreciate your taking the time to share your thoughts and feelings. This information will be very helpful in our planning and in improving our programs.*

.....

**NAME:** \_\_\_\_\_

**PART A. PARTICIPATING IN THE SI CLASSES** (*As opposed to your SI Leader Sessions*)

**1. As far as my attendance in the SI classes, I:**

- Attended all of the classes
- Missed 1 or 2 classes.
- Missed 3 or 4 classes
- Missed more than 4 classes

**2. The following questions ask about your participation in the SI classes. Please use the rating scale provided to indicate the frequency with which you did each of the following in the SI class meetings:**

	Never	Sometimes	Frequently	Always
<b>Assisted students in group work</b>				
<b>Functioned as an instructor</b>				
<b>Worked with individual students during class time</b>				
<b>Observed and took notes</b>				
<b>Other (Please describe.):</b>				
<b>Other (Please describe.):</b>				

---

**PART B. WORKING WITH THE SI CLASS INSTRUCTOR**

**3. Did you meet with the instructor outside of class?**

- YES                       NO

*IF NO, skip to Question 5.*

*If YES, answer Question 4.*

**4. How often did you meet with the class instructor?**

- Just once before the semester began
- About weekly
- About every other week
- About once a month
- Other (Please specify.): \_\_\_\_\_

*Now go to Question 5.*

**5. Did you feel that you sometimes needed or wanted help from the classroom instructor?**

- YES
- NO

*IF NO, skip to Question 7.*

*If YES, answer Question 6.*

**6. How helpful was the instructor in providing you with the guidance and information that you wanted for your SI sessions?**

- Very helpful
- Somewhat helpful
- Mostly unhelpful
- Very unhelpful

*Now go to Part C.*

**7. Do you feel that the instructor would have been available if needed?**

- YES
  - NO
- 

**PART C. STUDENTS AND THE SI SESSIONS**

**8. Did you provide feedback to the instructor on student attendance at SI sessions?**

- YES
- NO

*IF NO, skip to Question 10.*

*If YES, answer Question 9.*

**9. Was this general feedback about attendance or about individual student's attendance?**

- General
- About individual students
- Both about attendance in general and individual students

*Now go to Question 10.*

**10. In your opinion, in order for SI sessions to make a difference in student performance as compared to classes without SI sessions, approximately how many SI sessions should a student attend?**

- Close to 100% of them
- About 75% of them
- About 50% of them
- About 25% of them
- Other (Please specify.): \_\_\_\_\_

**11. Concerning your experience as an SI Leader:**

**a. What would you say were the top 1 or 2 positive aspects?** \_\_\_\_\_

---

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**b. What were the top 1 or 2 negative aspects?** \_\_\_\_\_

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**12. Please provide any other comments or suggestions.** \_\_\_\_\_

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*Thank you!*

**APPENDIX 9**

Spring 2013

**NECC Survey of Instructors of Supplemental Instruction (SI) Classes**

*At NECC, we are interested in learning more about your role as an SI class instructor, and your perception of the effectiveness of the current SI format. Towards these goals, we would appreciate your responses to the questions on this survey. Your answers will be combined with the responses of the other fall 2012 SI instructors, and will not be individually identifiable.*

*We appreciate your taking the time to provide the requested information. Your input will be very helpful in our planning and in improving our programs.*

.....

**NAME:** \_\_\_\_\_

**PART A. SI SESSION LEADER(S) PARTICIPATION IN YOUR SI CLASSES**

**1. The SI Leader(s) assigned to my class:**

- Attended all of the classes
- Missed 1 or 2 classes
- Missed 3 or 4 classes
- Missed more than 4 classes

**2. The following questions ask about the participation of your SI Leader(s) in your SI classes. Please use the rating scale provided to indicate the frequency with which your SI Leader(s) did each of the following in the SI class meetings:**

	<b>Never</b>	<b>Sometimes</b>	<b>Frequently</b>	<b>Always</b>
<b>Assisted students in group work</b>				
<b>Functioned as an instructor</b>				
<b>Worked with individual students during class time</b>				
<b>Observed and took notes</b>				
<b>Other (Please describe.):</b>				
<b>Other (Please describe.):</b>				

---

**PART B. WORKING WITH THE SI LEADER(S)**

**3. Did you meet with the SI Leader(s) outside of class?**

- YES                       NO

*IF NO, skip to Question 5.*

*If YES, answer Question 4.*

**4. How often did you meet with the SI Leader(s)?**

- Just once before the semester began
- About weekly
- About every other week
- About once a month
- Other (Please specify.): \_\_\_\_\_

*Now go to Question 5.*

**5. Did you feel that the SI Leader(s) at least sometimes needed or wanted help from you, the classroom instructor?**

- YES                       NO

*IF NO, skip to Part C, Question 7.*

*If YES, answer Question 6.*

**6. Were you able to be available to the SI Leader(s) when they requested help?**

- YES                       NO

*Now go to Part C, Question 7.*

---

**PART C. STUDENTS AND THE SI SESSIONS**

**7. Did the SI Leader(s) provide feedback to you on student attendance at SI sessions?**

- YES                       NO

*IF NO, skip to Question 9.*

*If YES, answer Question 8.*

**8. Was this general feedback about attendance or about individual student's attendance?**

- General
- About individual students

- Both about attendance in general and individual students

*Now go to Question 9.*

**9. What did you do, if anything, to encourage students to attend the SI sessions?**

- Spoke about the sessions and their meeting times regularly in class
- Discussed the content of the sessions during class
- Individually counseled students to attend
- Gave students extra credit points for attendance
- Other (Please describe.) \_\_\_\_\_

**10. In your opinion, in order for SI sessions to make a difference in student performance as compared to classes without SI sessions, approximately how many SI sessions should a student attend?**

- Close to 100% of them
- About 75% of them
- About 50% of them
- About 25% of them
- Other (Please specify.): \_\_\_\_\_

**11. On the average, what percentage of your students regularly attended the SI sessions?**

\_\_\_\_\_ percent

**12. Other than having SI Leader(s) in the classrooms and the supplemental sessions, are there differences in the way you conduct classes in SI formats as opposed to traditional formats?**

- YES                       NO

*If YES:*

**13. Please explain the differences.** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**14. Please provide any other comments or suggestions.** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Thank you!*