

SLG Survey Experience



Image Source: Ruth Curran Neild



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Institutional Background



- ❖ In the first cohort from USG institution in G2C.
- ❖ College Algebra (MATH1111) as one and only gateway course in G2C.
- ❖ DFWI rates 35% for College Algebra.

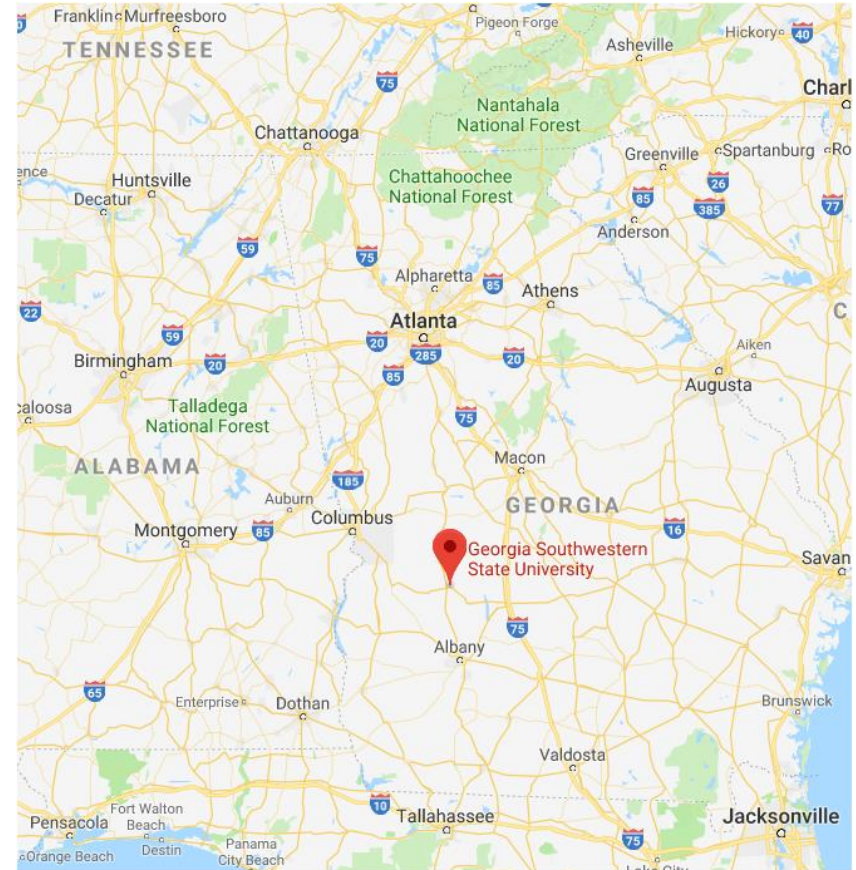


Image Source: Google.com

Institutional Background (Fall 2017)

- ❖ Student population: 3068
- ❖ Undergraduates: 2527
- ❖ Academic Departments: 5
 - The College of Arts and Sciences
 - School of Business Administration
 - School of Education
 - College of Nursing and Health Sciences
 - School of Computing & Mathematics

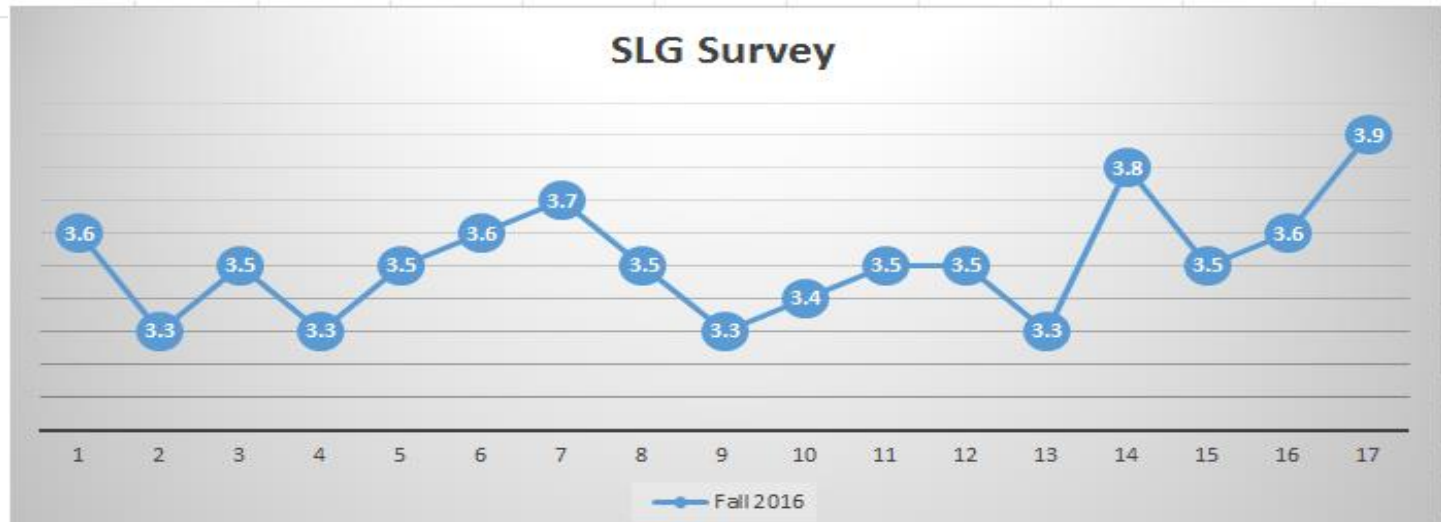
	Fall 2016	Fall 2017	Georgia
HS GPA	3.26	3.25	3.38
SAT MATH	483	485	530 (2017)
Average ACT MATH	20	20	21 (2017)

The SLG Survey Focuses on:

- The class overall
- Class activities
- Assignments, graded activities and tests
- The information given
- Support for the student as individual learner
- Understanding of class content
- Class impact on attitudes

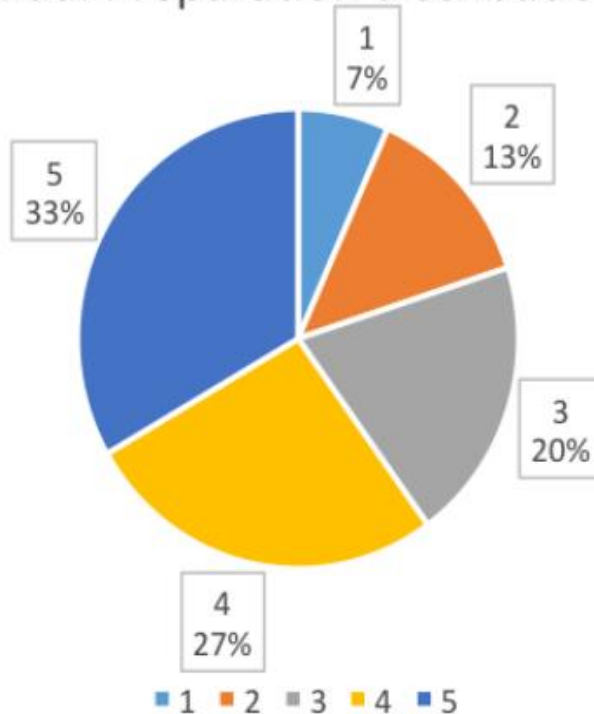
Fall - 2016

1	3.6	How the class topics, activities, reading and assignments fit together
2	3.3	The pace of the class
3	3.5	Participating in discussions during class
4	3.3	Participating in group work during class
5	3.5	Doing hands-on class activities
6	3.6	Graded assignments (overall) in this class
7	3.7	The number of spacing of tests
8	3.5	The way the grading system helped me understand what I needed to work on
9	3.3	The feedback on my work received after tests or assignments
10	3.4	Explanation of how the class activities, reading and assignments related to each other
11	3.5	Explanation given by the instructor of how to learn or study the materials
12	3.5	Explanation of why the class focused on the topics presented
13	3.3	Working with peers during class
14	3.8	Working with peers outside of class
15	3.5	The main concepts explored in this class
16	3.6	The relationships between the main concepts
17	3.9	Willingness to seek help from others (teacher, peers, TA) when working on academic problems



Students' Perceived Initial Preparedness Level

Initial Preparation distribution



1- Not prepared at all

2- Below prepared

3- Average prepared

4- Well prepared

5- Very well prepared

Actions

- Pre-diagnostic tests
- Three days a week
- G2C Teaching Circles
- Frequently asked questions
- Use of smart technologies (in process)

Pre-Diagnostic Tests

❖ Beginning from spring 2017

❖ College Algebra Course base outline of College Algebra from USG

- Review Topics : Up to 25%
- Uniform Requirements: 50%-70%
- Advanced: 10%-50%

Pre-Diagnostic Tests

College Algebra

❖ Category I:

Order of operations and fractions

❖ Category II:

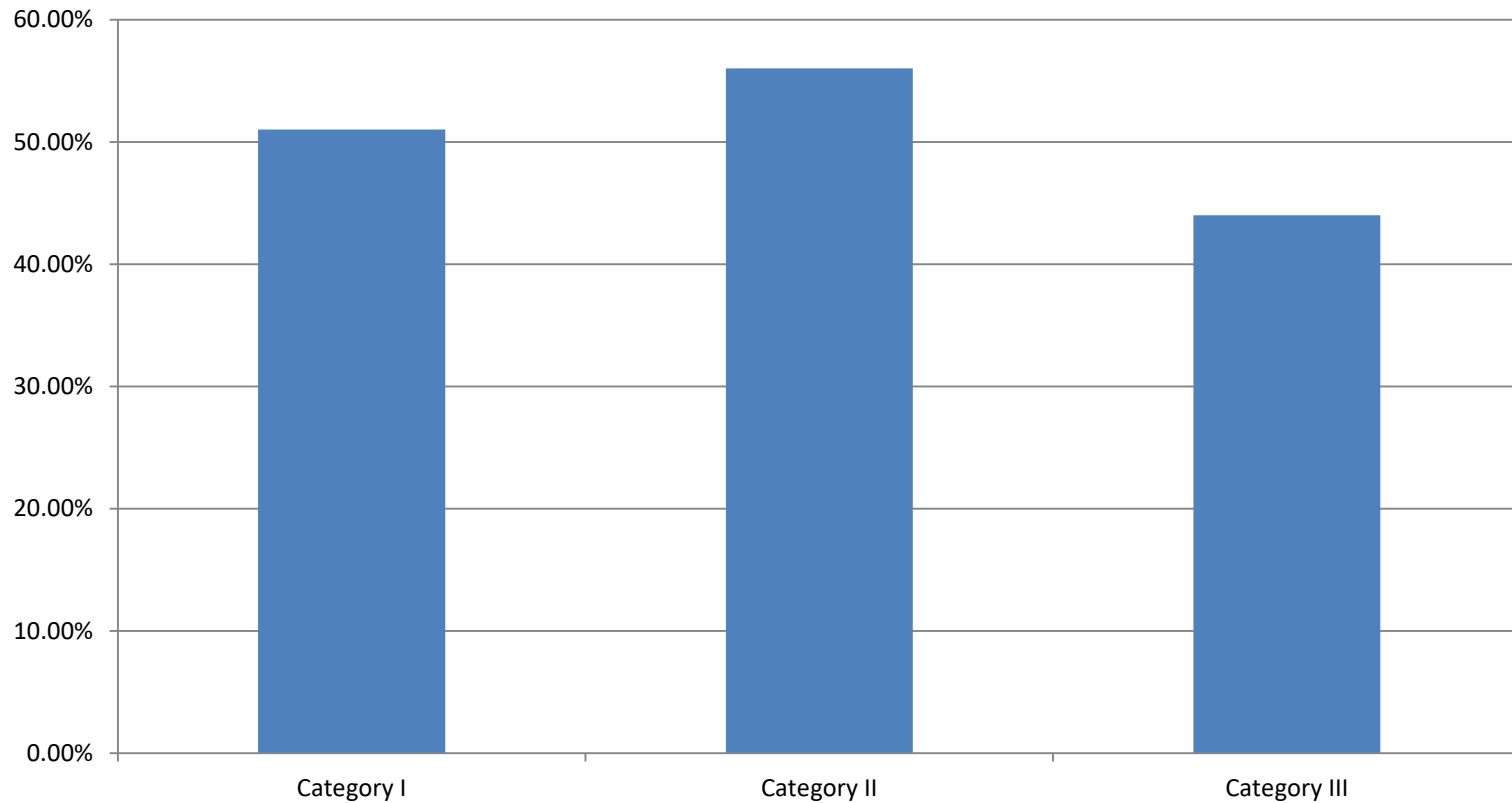
Linear/Quadratic equations including word problems

❖ Category III:

Exponents, Absolute value and functions.

College Algebra Pre-Diagnostic Test

Performance by Category



College Algebra

Factorization: An Example

7. One factor of $x^2 - x - 12$ is

- a) $(x + 3)$
- b) $(x - 3)$
- c) $(x + 4)$
- d) None of the above.

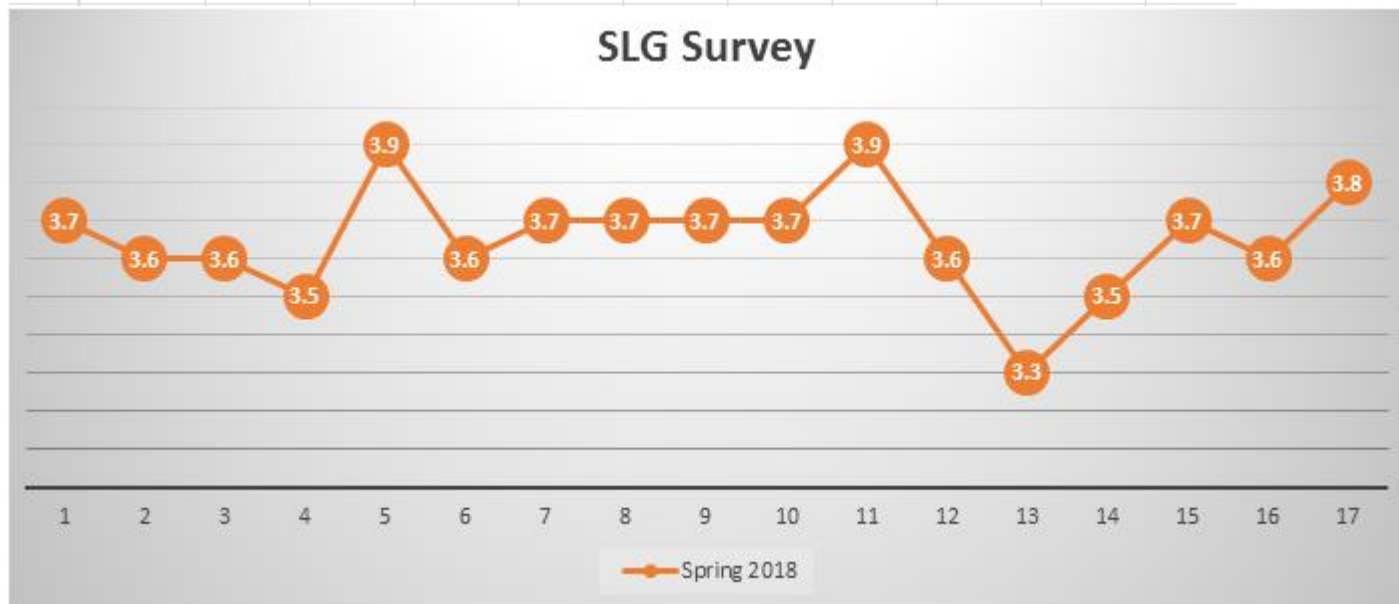
❖ Only about 30% of college algebra students answered the question correctly.

Observation from College Algebra Pre-Test

- ❖ Most of the students are underprepared to take College Algebra. They missed the basic computational skills.
- ❖ The students were exposed to the uniform content and some advanced topics prior to taking the class.

Spring- 2018

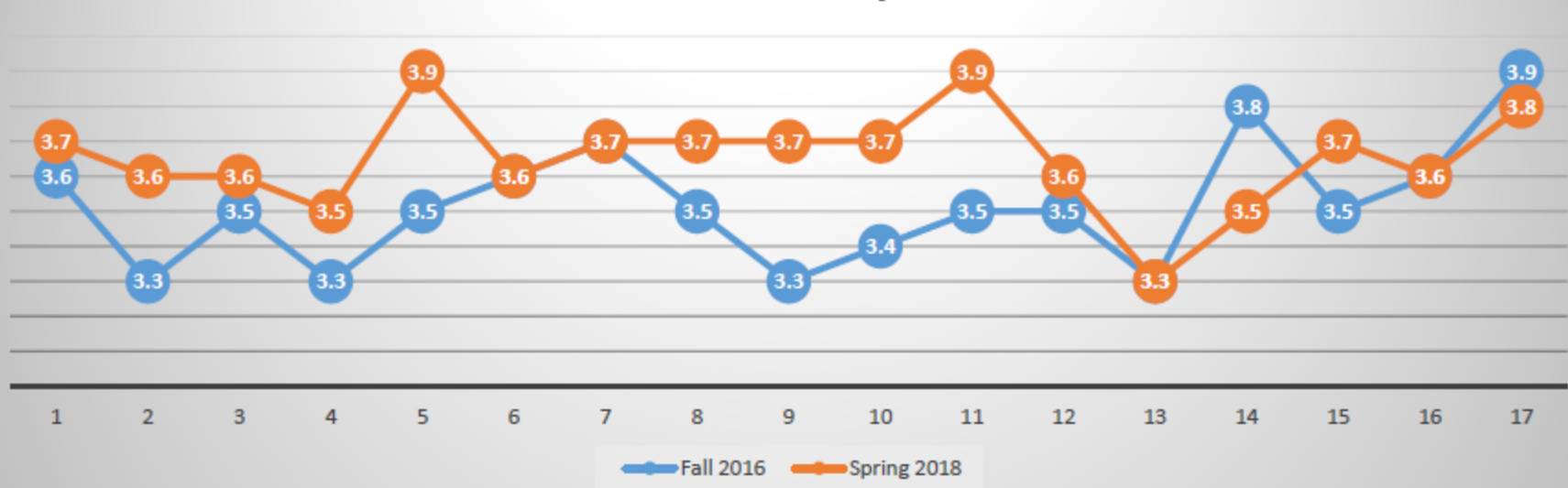
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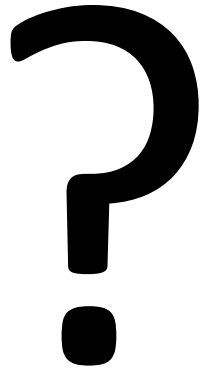


Fall 2016 Spring 2018 SLG Survey

	Fall 2016	Spring 2018	SLG Survey
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SLG Survey





Thank you!

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