

# ALG Final Report

## Grant Number 308

**Date:** 12/22/2017

**Grant Number:** 308

**Institution Name(s):** Georgia State University – Perimeter College

**Team Members:**

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**Project Lead:** Teresa Adams

**Course Name(s) and Course Numbers:** CIS 2010

**Semester Project Began:** Summer 2017

**Semester(s) of Implementation:** Fall 2017

**Average Number of Students Per Course Section:** 25

**Number of Course Sections Affected by Implementation:** 24

**Total Number of Students Affected by Implementation:** 573

### 1. Narrative

A. Describe the key outcomes, whether positive, negative, or interesting, of your project. Include:

- **COST:** The most significant outcome of the project was a 70% reduction in cost for students enrolled in CIS 2010. Prior to Fall semester of 2017, the required textbook for CIS 2010 was \$115 per student. Upon the implementation of the OER and other minimally-priced materials, the course materials cost was reduced to \$35 per student.
- **FLEXIBILITY:** Instructors were readily able to edit and adapt digital content to ensure materials presented was current as well as of relevant interest to students.
- **ADAPTABILITY:** The wide array of OER supplemental and interactive materials enabled students to customize the level of support learning needed on a specific topic/concept.

B. Describe lessons learned, including any things you would do differently next time.

- **ACCESSABILITY:** Some students cited not having sufficient access to Internet connections when away from campus. Instructors and students alike must be proactive in identify a suitable connectivity plan.

- **PRINT PREFERENCE:** A small percentage students viewed the use of online learning materials as hindrance to learning. These students conveyed a preference for using printed material rather than online material.

## 2. Quotes

- Provide three quotes from students evaluating their experience with the no-cost learning materials.
1. "I learned just as much if not more utilizing the online materials provide by my instructor as I would have learned from purchasing a costly textbook."
  2. "This class proves an expensive textbook is not essential to learning. The online activities enriched my understanding of the material far more than reading a textbook ever could."
  3. "I wish more courses would adopt course materials that cost students no or little money."

## 3. Quantitative and Qualitative Measures

### 3a. Overall Measurements

#### Student Opinion of Materials

**Was the overall student opinion about the materials used in the course positive, neutral, or negative?**

Total number of students affected in this project:   **573**  

- Positive:   **82**   % of   **110**   number of respondents
- Neutral:   **12**   % of   **110**   number of respondents
- Negative:   **06**   % of   **110**   number of respondents

### **Student Learning Outcomes and Grades**

**Was the overall comparative impact on student performance in terms of learning outcomes and grades in the semester(s) of implementation over previous semesters positive, neutral, or negative?**

*Student outcomes should be described in detail in Section 3b.*

Choose One:

- **X** Positive: Higher performance outcomes measured over previous semester(s)
- Neutral: Same performance outcomes over previous semester(s)
- Negative: Lower performance outcomes over previous semester(s)

### **Student Drop/Fail/Withdraw (DFW) Rates**

**Was the overall comparative impact on Drop/Fail/Withdraw (DFW) rates in the semester(s) of implementation over previous semesters positive, neutral, or negative?**

**Drop/Fail/Withdraw Rate:**

  5  % of students, out of a total **573** students affected, dropped/failed/withdrew from the course in the final semester of implementation.

Choose One:

- **X** Positive: This is a lower percentage of students with D/F/W than previous semester(s)
- Neutral: This is the same percentage of students with D/F/W than previous semester(s)
- Negative: This is a higher percentage of students with D/F/W than previous semester(s)

### 3b. Narrative

- Increased number of students acquired the textbook then in past semesters. This increase can be directly contributed to the dramatic decrease in the cost of the course materials due to the use of OEL materials and widely available tutorials. As a result of a wider adoption of the textbook, students were better prepared for assessments. Assignment completion also increased 5%. Withdraw rates lessen slightly for the course.

### 4. Sustainability Plan

- The textbook materials obtained and used for the ALG grant have been made available to all CIS instructors via Desire2Learn. All Perimeter College faculty have adopted the materials for Spring semester courses.

### 5. Future Plans

- We will continue to develop online content for students to reinforce course concepts. This content will include tutorial-based and problem-solving content. Updates and edits to materials will be maintained by the project lead.

### 6. Description of Photograph

- *Photo of Teresa Adams, Project Lead and Illiad Connally, Project Team Member*



# ALG SURVEY CIS 2010

(Administered to Project Team sections only via iCollege.)

**1. Do you normally purchase the recommended textbook materials for a class?**

- Yes
- No

**2. Did you purchase the textbook materials for this course?**

- Yes
- No

**3. Did the cost of the course materials for this class impact your decision to enroll in the course?**

- Yes
- No

**4. Would you take another course using open resource and fully online materials like those used in this course?**

- Yes
- No

**5. The learning materials used in this class were easy to use?**

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

**6. The learning materials used in this class were helpful to learning the content taught in this course?**

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

**7. I used the online learning resources to study as much as I would have a printed textbook.**

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

**8. I used the online learning resources to study less than I would have a printed textbook.**

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

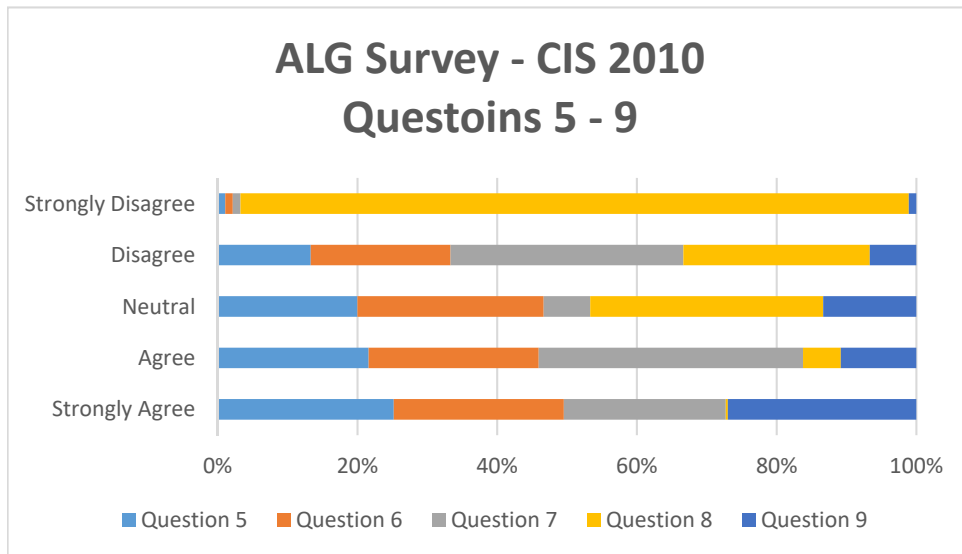
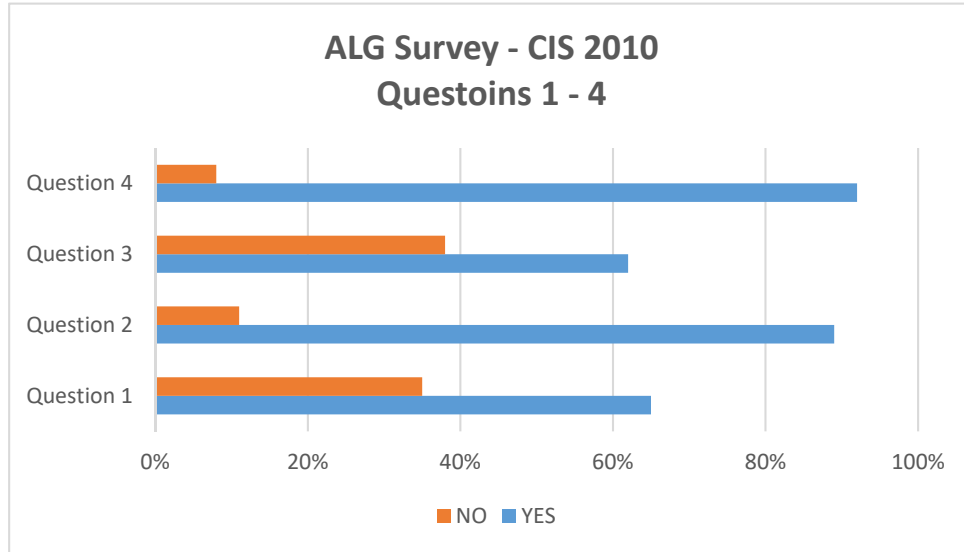
**9. I feel the online materials used in class were as effective for learning as using a traditional textbook?**

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

**10. What challenges did you experience using the learning resources provided for this course?**

**11. What would you suggest to improve the resources used in this course?**

**12. Please share any additional comments about the course materials used in this course.**



## ALG Survey Data

	YES	NO
Question 1	65%	35%
Question 2	89%	11%
Question 3	62%	38%
Question 4	92%	8%

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Question 5	86%	8%	3%	2%	1%
Question 6	83%	9%	4%	3%	1%
Question 7	79%	14%	1%	5%	1%
Question 8	1%	2%	5%	4%	88%
Question 9	92%	4%	2%	1%	1%

# CIS 2010

## Fall Semester2017

### iCollege Integration of Course Materials

INTRO TO INFO SYSTEMS Section 108 Fall Semester 2017



Course Home Blackboard Collaborate Calendar Chat Classlist Discussions Email Grades Lynda.com Manage Files More ▾

## Welcome to CIS 2010-108

### Instructor Information ▾

### Course Information ▾

### McGraw-Hill Connect Links ▾

### McGraw-Hill SIMnet Links ▾

### Lynda.Com Tutorial Links ▾

### DataCamp Links ▾

### Course Help ▾

### Weekly Course Assignments ▾

#### Week 1 - Due Monday by 11:59PM on 10/16/17 ▾

- [Review Course Syllabus](#)
- [Review Course FAQs](#)
- [Run the iCollege System Checker](#)
- [Post Student Introductions](#)
- [Complete Course Overview Quiz \(2 attempts\)](#)
- [Complete McGraw-Hill Connect Registration](#)
- [Run the Connect System Checker](#)
- [Review BDIS Chapter 1 Connect Lecture Overview](#)
- [Complete BDIS Chapter 1 Connect Assignments](#)
- [Read & Reply to Chapter 1 Discussion](#)

#### Week 2 - Due Monday by 11:59PM on 10/23/17 ▾

#### Week 3 - Due Monday by 11:59PM on 10/30/17 ▾

#### Week 4 - Due Monday by 11:59PM on 11/06/17 ▾

#### Week 5 - Due Monday by 11:59PM on 11/13/17 ▾




# CIS 2010

## Fall Semester 2017

### Free/OER Course Materials

#### e-Textbook

Cost to students \$35



**connect**

Quick links

- [Pair with a Connect Section](#)  
Associate this course with a McGraw-Hill Connect Section.
- [Reset your access](#)
- [Unlink automatic sign-in](#)  
Linked Connect email address:  
**tadams@gpc.edu**  
Unlink the email address that is used to automatically sign you into Connect from BrightSpace. This will prevent manual syncing and remove direct access to Connect.

#### Excel Lessons/Assignments

Cost to students \$0



What SIMnet URL would you like to pair with?

Click next to pair with Georgia Perimeter College.

https:// gpc \_\_\_\_\_ .simnetonline.com

Cancel Next

#### Programming Tutorials

Cost to students \$0



**Introduction to R** **FREE**

In this introduction to R, you will master the basics of this beautiful open source language, inc... [Learn More](#)

Start Course



**Importing Data in R (Part 1)**

Importing data into R to start your analyses: it should be the easiest step. Unfortunately, this ... [Learn More](#)


Start Course

#### Excel 2016 Tutorials

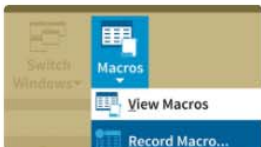
Cost to students \$0

	Jan	Feb
3		
4 Sales	\$ 120.0	\$ 180
5 Expenses	100.0	110
6 Profits	\$ 20.0	\$ 70

COURSE  
**Excel 2016** Essential Training with Dennis Taylor  
8h 53m | Beginner | Views: 5,742,441



COURSE  
**Excel 2016:** Advanced Formatting Techniques with Dennis Taylor  
3h 29m | Advanced | Views: 181,650



COURSE  
**Excel 2016:** Macros in Depth with Dennis Taylor  
Save time by automating repetitive tasks with Excel macros. Learn how to record, i with VBA.  
3h 33m | Intermediate | Views: 402,557