Date: 12/22/2017

Grant Number: 308

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

Team Members:

Teresa Adams, Associate Professor of Information Systems, Business Division, tadmas40@gsu.edu
Illiad Connally, Associate Professor of Information Systems, Business Division, iconnally@gsu.edu

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.

- ACCESSIBILITY: 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 of 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 provided 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
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

<table>
<thead>
<tr>
<th>Question</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Question 1</td>
<td>65%</td>
<td>35%</td>
</tr>
<tr>
<td>Question 2</td>
<td>89%</td>
<td>11%</td>
</tr>
<tr>
<td>Question 3</td>
<td>62%</td>
<td>38%</td>
</tr>
<tr>
<td>Question 4</td>
<td>92%</td>
<td>8%</td>
</tr>
</tbody>
</table>

**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% |
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 BHS Chapter 1 Connect Lecture Overview
- Complete BHS 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

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: tadoms@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

Programming Tutorials
Cost to students $0

Introduction to R
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 is the second step. Unfortunately this... Learn More

Start Course

Excel 2016 Tutorials
Cost to students $0

- Excel 2016: Essential Training with Dennis Taylor
  - 3h 2m
  - Beginner
  - Views: 57,842

- Excel 2016: Advanced Formatting Techniques with Dennis Taylor
  - 2h 2m
  - Intermediate
  - Views: 19,650

- Excel 2016: Tips and Tricks with Dennis Taylor
  - 1h 5m
  - Beginner
  - Views: 40,387

- Excel 2016: Macros in Depth with Dennis Taylor
  - 1h 47m
  - Intermediates
  - Views: 40,257

View Macros
Record Macro...