**PEIRCE COLLEGE SYLLABUS**

**Session 3, 2023-2024**

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| Syllabus Header | | | |
| **Course Information** | | **Faculty Information** | |
| **Course Title:** | Applied Systems Design | **Professor:** | Bob Heubner |
| **Course Number:** | BIS 403 | **Office:**  **Office Hours:** | Virtual  By Appointment |
| **Course Prerequisite:** | BIS 402 | **Telephone:** | 215-625-0595 |
| **Credits:** | 3 | **Email:** | [RAHeubner@Peirce.edu](mailto:RAHeubner@Peirce.edu) |
| **Class Start Date/ End Date:** | 1/9 to 3/3, 2024 | **Canvas Help:** | Use ? icon located on the left navigational panel (global navigation area). |
| [Academic Calendar 23-24Links to an external site.](https://www.peirce.edu/content/pdf/course-schedules/2023-2024_Academic_Calendar-July-2023-update.pdf) | | **Fax:** | N/A |

**Required Text(s):**

Tilley, Rosenblatt.  *Systems Analysis and Design (12th Edition)* Boston, MA Cengage Learning, 2021.

**or**Tilley, Rosenblatt.  *Systems Analysis and Design (11th Edition)* Boston, MA Cengage Learning, 2017.

**and**  
Scott Helmers. *Microsoft Visio 2016 Step by Step* Redmond, WA: Microsoft Press, 2015. ISBN-13: 9780735697805

**Course Description:**

This course uses the systems development skills learned in the prerequisite course and applies them to a business problem. Students are organized into teams where a study is made of an existing business problem. Several presentations are made highlighting the proposed solution to the problem and a final systems analysis report and presentation is made to management. The basic skills of the system analyst are discussed.

**Learning Outcomes:**

To provide an understanding of a total computerized system. The student, at the completion of the course, will have the knowledge and the ability to **participate in the development of a system project**.  
  
**Class Requirements:**

Required **textbook** listed above. Students are to have access to software as needed to complete coursework including Microsoft Office applications and Visio.

**Class Workload and Responsibilities**

This section of BIS 403 is *accelerated*.  This means that we will compress 15 weeks' worth of learning and preparation into about 7 calendar weeks.  When you take this course, keep in mind that this course is equivalent to taking one non-accelerated course. You should expect to spend no less than 12 hours per week on this class at minimum, 19-20 hours weekly are recommended for planning purposes.  This is a major time commitment, and you should be certain to set aside enough time in your schedule to complete the work for this course.

As your instructor, it is my responsibility to provide learning opportunities to enable you to achieve the course learning outcomes detailed above.  I have planned to do so through weekly synchronous sessions, video lessons and general resources, online class discussions, interactive activities and other assignments with my feedback and support.

**Course Format**

All online courses have a weekly synchronous learning component. This added component provides students real time or “live” instruction at the same time weekly. Synchronous learning offers students an increased opportunity to connect with faculty and fellow students, participate further in the learning process, and gain immediate feedback. Participating in synchronous learning sessions are highly recommended, yet optional for most courses. Due to ABA guidelines, there are three designated PLG courses that will require students to participate in the weekly “live” instruction. If you are using your computer, speakers are required for hearing the Live Zoom session. If you’d like to be seen and heard, make sure you have a working camera and microphone. You can opt to be unseen and unheard, choosing only to use the chat feature for communication purposes.

**Learning Outcomes Assessment:**

You will earn points based on completing each of the below assignments. Your total earned course points out of 1000 pts are then converted to a Final Letter Grade.

840 pts - 12 Personal Trainer Case Studies (12 x 70 pts)

40 pts - 2 Quizzes on Toolkit Information (2 x 20 pts)

100 pts - 2 Presentations (2 X 50 pts)

20 pts - Threaded Discussions Meet and Greet

1000 pts Total

|  |  |  |
| --- | --- | --- |
| Course Points and Letter Grade | | |
| **Letter Grade** | **Lowest Percent** | **Points needed** |
| A | 92.50% | 925 |
| A- | 89.50% | 895 |
| B+ | 86.50% | 865 |
| B | 82.50% | 825 |
| B- | 79.50% | 795 |
| C+ | 76.50% | 765 |
| C | 72.50% | 725 |
| C- | 69.50% | 695 |
| D+ | 66.50% | 665 |
| D | 62.50% | 625 |
| D- | 59.50% | 595 |
| F | <60% | less than 595 |

**College Policies and Procedures:**Click here for policies concerning Disability Accommodations, Academic Honesty, Netiquette, Attendance and Participation, Faculty Response Time, Grading, and Class Cancelation -  [http://www.peirce.edu/syllabuspolicies/.Links to an external site.](http://www.peirce.edu/syllabuspolicies/)

**Course Outline:**

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| Course Outline | |
| **WEEK** | **ASSIGNMENTS** |
| **1** | **Toolkit-Part 1 and Quiz; Case Study Chapter 1 (Questions 1-4); Threaded Discussion** |
| **2** | **Case Study Chapter 2 (Questions 1-4) and 3 (Questions 1-4);** |
| **3** | **Toolkit-Part 3 and Quiz; Case Study Chapter 4 (Questions 1-4);** |
| **4** | **Case Study Chapter 5 (Questions 1-4) and 6 (Questions 1-4); Team-led Presentation** |
| **5** | **Case Study Chapter 7 (Questions 1-4); and 8 (Questions 1-4)** |
| **6** | **Case Study Chapter 9 (Questions 1-4) and 10 (Questions 1-4);** |
| **7** | **Case Study Chapter 11 (Questions 1-4)and Chapter 12(Questions 1-4); Team-led Presentation** |

Course Summary:

| **Date** | **Details** | **Due** |
| --- | --- | --- |
| Tue Jan 9, 2024 | Calendar Event [BIS 403 OT 3 - Applied Systems Design](https://peirce.instructure.com/calendar?event_id=20095&include_contexts=course_7670) | 6pm to 7:30pm |
| Mon Jan 15, 2024 | Quiz [Quiz 2](https://peirce.instructure.com/courses/7670/assignments/186886) | due by 11:59pm |
| Assignment [Assignment (1)](https://peirce.instructure.com/courses/7670/assignments/186888) | due by 11:59pm |
| Assignment [Meet and Greet](https://peirce.instructure.com/courses/7670/assignments/186896) | due by 11:59pm |
| Tue Jan 16, 2024 | Calendar Event [BIS 403 OT 3 - Applied Systems Design](https://peirce.instructure.com/calendar?event_id=20200&include_contexts=course_7670) | 6pm to 7:30pm |
| Mon Jan 22, 2024 | Assignment [Assignment (2)](https://peirce.instructure.com/courses/7670/assignments/186889) | due by 11:59pm |
| Mon Jan 29, 2024 | Quiz [Quiz 3](https://peirce.instructure.com/courses/7670/assignments/186887) | due by 11:59pm |
| Assignment [Assignment (3)](https://peirce.instructure.com/courses/7670/assignments/186890) | due by 11:59pm |
| Mon Feb 5, 2024 | Assignment [Assignment(4)](https://peirce.instructure.com/courses/7670/assignments/186894) | due by 11:59pm |
| Assignment [Preliminary Presentation](https://peirce.instructure.com/courses/7670/assignments/186897) | due by 11:59pm |
| Mon Feb 12, 2024 | Assignment [Assignment (5)](https://peirce.instructure.com/courses/7670/assignments/186891) | due by 11:59pm |
| Mon Feb 19, 2024 | Assignment [Assignment (6)](https://peirce.instructure.com/courses/7670/assignments/186892) | due by 11:59pm |
| Mon Feb 26, 2024 | Assignment [Assignment (7)](https://peirce.instructure.com/courses/7670/assignments/186893) | due by 11:59pm |
| Assignment [Final Presentation](https://peirce.instructure.com/courses/7670/assignments/186895) | due by 11:59pm |