Course Syllabus

Jump to Today

PEIRCE COLLEGE SYLLABUS
Peirce Fit COURSE

BIS325 HR4 is running as a fully online class.

Special Announcement COVID: Although your course was/may have been scheduled to meet on campus, all courses are running as fully online courses. Please consult with your faculty member and academic advisor right away in week 1, if you have concerns completing this course as a fully online student.

Weekly web conferences will be scheduled and held by the faculty member. In addition to other weekly activities, students are encouraged to participate in these synchronous opportunities if their schedule allows.

For current information visit: **https://www.peirce.edu/covid-19 (https://www.peirce.edu/covid-19)**

Course Title:	**Application Development**		
Professor:	Michael Chu		
Course Number:	BIS 325 Peirce Fit	**Office:**	Virtual
Course Prereq:	BIS 324	**Office Hours:**	TBD
Credits:	3	**Telephone:**	8565620049
Class Start Date:	3/16/23	**Email:**	mchu@peirce.edu
Class End Date:	05/01/23		

Class Time:	5:30 Thursdays via Zoom	**For Canvas Technical Issues, Contact:**	Canvas Support Phone: 1-844-833-3116; Canvas Chat: https://cases.canvaslms.com/apex/liveagentcha (https://cases.canvaslms.com/apex/liveagentchat)

Please read this first:

You are enrolled in a **Peirce Fit** section of **BIS 325**: **Application Development (Using C#). Peirce Fit is an innovative course delivery option that Peirce has adopted for some sections of courses that the College offers.**

Anticipated Benefits to Students:

- Increased flexibility while maintaining the highest degree of consistency in course content and student learning outcomes. The content, required course level assignments, and required hours of instruction in this course are the same for the on campus learner as well as for the virtual learner.
- Afford students the opportunity to personalize their learning experience within the course in a manner that suits each learner's needs.
- Maximize use of available learning technologies to support learning.

Peirce Fit Expectations:

- Complete all required course assignments and abide by the Academic Policies in the Student Policy Handbook and those outlined in the syllabus.
- Participate in class on a weekly basis either on campus on **Thursday evenings** from 5:30 PM via Zoom by logging into Peirce Online and participating in that fashion.

FAQs

- **Are the assignments the same for online and on campus students? Yes, all students are responsible for completing the same assignments.**

- **What methodology will be used in the classroom? The instructor will provide lectures, as needed, answer face-to-face questions, and provide guidance for students while doing hands-on exercises related to the textbook.**

Peirce College Policies:

The College-wide policies for the items below can be found at the following website: **http://www.peirce.edu/syllabuspolicies (http://www.peirce.edu/syllabuspolicies)**

- Disability Accommodations
- Academic Honesty
- Netiquette
- Attendance and Participation Policy
- Faculty Response Time
- Peirce College Grading Policy
- Class Cancellation

Required Text(s):

Barbara Doyle. ***C# Programming: From Problem Analysis to Program Design.*** Publisher: Cengage Learning, 2016.
ISBN-13: 978-1-285-85687-2

Required Software and Other Resources:

Microsoft Office 365 with Visio and Project

You have access to an Office 365 account as a current, paid student: Use your Peirce student email when setting this up. Complete your request under the Student Services tab at **my.peirce.edu (https://my.peirce.edu/)** Visio and Project will be added to your Peirce student Office 365 account for access during this course.

Windows - Downloading Office 365 for Student.pdf
(https://peirce.instructure.com/courses/6970/files/1332956?wrap=1)
(https://peirce.instructure.com/courses/6970/files/1332956/download?download_frd=1)

Mac - Downloading Office 365 for Student.pdf
(https://peirce.instructure.com/courses/6970/files/1332957?wrap=1)
(https://peirce.instructure.com/courses/6970/files/1332957/download?download_frd=1)

Visual Studio

https://visualstudio.microsoft.com/vs/older-downloads/
(https://visualstudio.microsoft.com/vs/older-downloads/) (select Community) and the community location for free download **https://visualstudio.microsoft.com/free-developer-offers/**
(https://visualstudio.microsoft.com/free-developer-offers/)

Students need to have access to all of the required software to complete the assignments for this course.

Minimum Hardware Requirements:

- 32-bit (x86) or 64-bit (x64) processors
- Dual-core, 2.66-GHz or faster processor
- USB 2.0 bus dedicated to the Kinect
- Windows 7/8 Professional: 2 GB RAM minimum.
- Graphics card that supports DirectX 9.0c
- 5 GB available hard disk space (prior to loading Visual Studio)

Course Description:

Students will learn to program application development solutions using the C# programming language and techniques that require decision making, iteration, multiple forms, common dialogs, functions, and arrays. Program design, graphical user interfaces, variables, constants, data types, and expressions are covered. Debugging and creating executable files are also included.

Credit Hour Equivalency Requirement:

Like many classes at Peirce College, this course is accelerated. This means we will compress 14 weeks' worth of learning and effort into 7 calendar weeks. Taking this course is equivalent to taking 2 non-accelerated courses at once. This is a major time commitment so 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 **online discussions, collaboration, and exercises to encourage you to develop independent and critical thinking skills.**

As a student, it is your responsibility to take **ownership both online and offline by completing all readings and assignments by the due dates.** You should be prepared to make an extensive time commitment.

Students are expected to spend between 6-8 hours per week on reading and course content. Weekly homework may take an additional 6-8 hours per week. Students should set aside time in their schedules to be sure they can complete the work for this course.

Learning Outcomes:

Upon completion of this course, a student should be able to:

- Undertake project management in the application development context.
- Use programming logic and flow using flowcharts and pseudo-code.
- Apply programming controls using C#.
- Use operators, variables, functions and subroutines using C#.
- Include conditions and decisions using the C# programming language.
- Use linear and two-dimensional arrays, as well as queues, stacks, and hashtables.
- Create classes with C#.

Learning Outcomes Assessment:

Your final grade will be based on your achievements in the following areas:

Assignment	Weeks	Points Each	Total Points

Programming Exercises (13)	1-7	programs 1-12 = 50 pts. *except* last one = 100 pts.	700
Weekly Discussions (6)	1-6	25	150
Exams (2)	4,7	75	150
		Grand Total Points	**1,000**

Policy on Late Assignments:

Late assignments will not be accepted; assignments that are submitted beyond the posted deadline will receive zero points. No exceptions will be made unless arrangements have been made with the professor at least 48 hours before the posted due date.

Please acclimate yourself to the due dates for all assignments throughout the course. Your disregard for the deadlines or your failure to read/understand this policy does not render you exempt from the policy.

Course Outline:

Please submit your solutions using the assignment's "Submit" button by the due date. The due dates for each week are listed accordingly. Please ***do not*** email your assignments to the Instructor.

Week 1 Assignments
Due Date: Wednesday**, March 22, 2023 @ 11:59 PM ET**

Readings: Doyle textbook - Chapters 1, 2: "Introduction to Computing and Application Development" & "Data Types and Expressions"
Assignments:

- Weekly Discussion

- Assignments: Consult Week 1's "Exercise for Week 1" link

Week 2 Assignments

Due Date: XXXday, March XX, 2018 @ 11:59 PM ET

Readings: Doyle textbook - Chapter 3: "Methods and Behaviors"

Assignments:

- Weekly Discussion
- Assignments: Consult Week 2's "Exercises for Week 2" link

Week 3 Assignments

Due Date: XXXday, April XX, 2018 @ 11:59 PM ET

Readings: Doyle textbook - Chapter 4: "Creating Your Own Classes"

Assignments:

- Weekly Discussion
- Assignments: Consult Week 3's "Exercises for Week3" link

Week 4 Assignments

Due Date: XXXday, April XX, 2018 @ 11:59 PM ET

Readings: Doyle textbook - Chapters 5: "Making Decisions"

Assignments:

- Weekly Discussion
- Assignments: Consult Week 4's "Exercises for Week 4" link
- Complete the Exam for Week 4 (Chapters 1-4)

Week 5 Assignments

Due Date: XXXday, April XX, 2018 @ 11:59 PM ET

Readings: Doyle textbook - Chapters 6: "Repeating Instructions"

Assignments:

- Weekly Discussion
- Assignments: Consult Week 5's "Exercises for Week 5" link

Week 6 Assignments

Due Date: **xxxday, April XX, 2018 @ 11:59 PM ET**

Readings: Doyle textbook - Chapters 7: "Arrays"

Assignments:

- Weekly Discussion
- Assignments: Consult Week 6's "Exercises for Week 6" link

Week 7 Assignments

Due Date: XXXday, May XX, 2018 @ 11:59 PM ET

Readings: Doyle textbook - Chapter 8: "Advanced Collections"

Assignments:

- Assignments: Consult Week 7's "Exercises for Week 7" link

REVIEW: Doyle textbook - Chapters 5-8

- **Complete** Exam for Week 7
  Due Date: Thursday. May XX, 2018 @ 11:59 PM ET

Note: Late assignments will not be accepted. Assignments that are turned in late will be given zero points unless arrangements have been made with the professor at least 48 hours before the posted due date.

*** Syllabus subject to change. ***

Course Summary:

Date	Details	Due
	Discussion for Week 1 (https://peirce.instructure.com/courses/6970/assignments/167135)	

Date	Details	Due
	Discussion for Week 2 (https://peirce.instructure.com/courses/6970/assignments/167136)	
	Discussion for Week 3 (https://peirce.instructure.com/courses/6970/assignments/167137)	
	Discussion for Week 4 (https://peirce.instructure.com/courses/6970/assignments/167138)	
	Discussion for Week 5 (https://peirce.instructure.com/courses/6970/assignments/167139)	
	Discussion for Week 6 (https://peirce.instructure.com/courses/6970/assignments/167140)	
	Exercise(s) for Week 1 (https://peirce.instructure.com/courses/6970/assignments/167141)	
	Exercise(s) for Week 2 (https://peirce.instructure.com/courses/6970/assignments/167142)	
	Exercise(s) for Week 3 (https://peirce.instructure.com/courses/6970/assignments/167143)	
	Exercise(s) for Week 4 (https://peirce.instructure.com/courses/6970/assignments/167144)	
	Exercise(s) for Week 5 (https://peirce.instructure.com/courses/6970/assignments/167145)	
	Exercise(s) for Week 6 (https://peirce.instructure.com/courses/6970/assignments/167146)	
	Exercise(s) for Week 7 (https://peirce.instructure.com/courses/6970/assignments/167147)	
	Quiz for Week 4 (https://peirce.instructure.com/courses/6970/assignments/167126)	
	Quiz for Week 7 (https://peirce.instructure.com/courses/6970/assignments/167120)	