



**FLORIDA INTERNATIONAL UNIVERSITY
UNIVERSITY CURRICULUM COMMITTEE**
Proposal for a Course Change

| |
|--------------------------------|
| DO NOT TYPE IN THIS BOX |
| Bulletin #: <u>6</u> |
| Academic Year: <u>2021-22</u> |

PART I. FILL OUT THIS SECTION COMPLETELY

1. School/College Engineering and Computing
 Div./Dept. in Which Taught Knight Foundation School of Computing and Information Sciences
2.

| | | | |
|--------------|-----------|---------------|------------------------|
| <u>CGS</u> | <u>1</u> | <u>920</u> | <u>3</u> |
| Alpha Prefix | 1st Digit | Last 3 Digits | "C"-lec-lab "L"-Lab |
| | | | Cr. Hrs. |
3. Present Course Title Introduction to Computing

PART II. FILL OUT CHANGE INFORMATION ONLY

Change Effective 01 / 01 / 2023

- 4a. New Course Title Introduction to the Field of Computing
- b. New Abbreviated course Title (for computer class schedules, transcripts)

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|--|
| <u>Intro. Field of Computing</u> |
| <small>LIMITED TO 25 Characters (including spaces)</small> |

- 5a.

| | | | |
|------------------|---------------|-------------------|------------------------|
| <u>CGS</u> | <u>1</u> | <u>920</u> | <u>Change</u> |
| New Alpha Prefix | New 1st Digit | New Last 3 Digits | "C"-lec-lab "L"-Lab |
- 5b. Change Credit Hours: From 3 To 3

6. New Catalog Description/Major Topics (not to exceed 200 characters including spaces)
College of Medicine and College of Law: Attach description not exceeding 1,000 characters including spaces.
- | |
|---|
| <u>Overview of the computing field to students, research programs and career options.</u> |
|---|

7. New Prerequisite(s): None
8. New Corequisite(s): None

9. Explain Reclassification Request:
- | |
|---|
| <u>This course is about the field of computing (i.e. CS/IT, graduate programs, research, job trends, etc.), not about building knowledge of computing itself.</u> |
|---|

10. Does this proposed change impact the assessment process of a program or certificate? **If yes, then send notification to assessment@fiu.edu.**

PROPOSAL REQUESTED BY:

| | | | |
|---------------------------|--------------------------------|-------------------------------|--|
| Faculty Contact | <u>Trevor Cickovski</u> | See attached memo | <u>2</u> / <u>24</u> / 20 <u>22</u> |
| | <small>(Type name)</small> | <small>(Signature)</small> | |
| | <u>tcickovs@fiu.edu</u> | <u>x8043</u> | |
| | <small>(Email address)</small> | <small>(Phone number)</small> | |
| Chairperson (Dept./Div.) | <u>See attached memo</u> | <u>See attached memo</u> | <u> </u> / <u> </u> / 20 <u> </u> |
| | <small>(Type name)</small> | <small>(Signature)</small> | |
| Chairperson (Curr. Comm.) | <u>See attached memo</u> | <u>See attached memo</u> | <u> </u> / <u> </u> / 20 <u> </u> |
| | <small>(Type name)</small> | <small>(Signature)</small> | |
| College/School Dean | <u>See attached memo</u> | <u>See attached memo</u> | <u> </u> / <u> </u> / 20 <u> </u> |
| | <small>(Type name)</small> | <small>(Signature)</small> | |

Submit one original form. Attach one copy of the Course Justification and Course Syllabus: Course Description, Objectives, Learning Outcomes, Major Topics and textbooks.

MEMORANDUM

To: Mary Cossio
Faculty Senate

From: Faculty Contact and KFSCIS Chair

Subject: **Memo in Lieu of Faculty Contact and School's Director Signatures for Bulletin #6**

Date: March 16, 2022

As instructed by the Faculty Senate, this memo will serve as approval of the attached proposals for Bulletin #6 by our Faculty Contact (Trevor Cickovski) and KFSCIS Interim Director (Jason Liu) in lieu of physical signatures. The proposals in this Bulletin were approved by our Curriculum Committee on (03/16/2022).

MEMORANDUM

To: Mary Cossio
Faculty Senate

From: Dean or Assoc. Dean and College Curriculum Committee Chair

Subject: **Memo in Lieu of Curriculum Chair and Dean Signatures for Bulletin #6**

Date: March 16, 2022

As instructed by the Faculty Senate, this memo will serve as approval of the attached proposals for Bulletin #6 by our Curriculum Committee Chair (Elias Alwan), and the Dean for College of Engineering and Computing (John L. Volakis), in lieu of physical signatures. The proposals in this Bulletin were approved by our Curriculum Committee on (03/16/2022).

In addition to the above, memos in lieu of signatures have also been included by departments unable to obtain physical signatures for their faculty contact and/or department chair.

Course Change Justification: CGS1920

We propose to change the name of CGS1920 from “Introduction to Computing” to “Introduction to the Field of Computing”. Viewing objectives for this course, they involve various disciplines (i.e. CS, IT, Cybersecurity), research opportunities, graduate programs, and professional organizations. Thus the course is not building knowledge about computing itself, making the current name misleading. The course is about the computing field.



Syllabus

Introduction to Computing

1191-FIU01-CGS-1920-SECRVC-15098

[GENERAL INFORMATION](#) | [IMPORTANT INFORMATION](#) | [COURSE DETAIL](#) | [COURSE CALENDAR](#)

GENERAL INFORMATION

Professor Information



| | | | |
|--------------------|------------------------------------|----------------------|---|
| Instructor: | Prof. Tiana Solis | Phone: | (305) 348-1749 |
| Office: | Tech Station PG6-100 (MMC) | Office Hours: | Via Adobe Connect - Monday and Wednesday, 6:00 PM - 7:00 PM, and by appointment |
| E-mail: | Please use Canvas Course Messages. | | |

Course Description and Purpose

This is an introductory course that provides an overview of the computing field to students and also outlines research programs and potential career options. This course is designed for students without a technical background. This course describes the various subfields and career opportunities in the computer field. Distinctions are noted between Information Technology and Computer Science along with undergraduate program and degree requirements. Resume writing, job search strategies and interview standards and practices are also covered in this course. This course consists of 14 modules, two discussion posts and six quizzes. Module availability is on a weekly basis. Communication for this course will take place via Canvas Messages and Announcements.

Course Objectives

The student will be able to:

- recognize the scope of degree programs in the computing field;
- identify the Computer Science program;
- identify the Information Technology program;
- explain the research opportunities for undergraduate students;
- recognize the graduate programs;
- describe the career potential opportunities; and
- identify the professional organizations.

IMPORTANT INFORMATION

Policies

Please review the [FIU's Policies](#) webpage. The policies webpage contains essential information regarding guidelines relevant to all

courses at FIU, as well as additional information about acceptable netiquette for online courses.

As a member of the FIU community you are expected to be knowledgeable about the behavioral expectations set forth in the [FIU Student Code of Conduct](#).

Technical Requirements and Skills

One of the greatest barriers to taking an online course is a lack of basic computer literacy. By computer literacy we mean being able to manage and organize computer files efficiently, and learning to use your computer's operating system and software quickly and easily. Keep in mind that this is not a computer literacy course; but students enrolled in online courses are expected to have moderate proficiency using a computer. Please go to the "[What's Required](#)" webpage to find out more information on this subject.

This course utilizes:

1. An eBook Website (Available starting Module 4)
2. Video Lectures

Please visit our [Technical Requirements](#) webpage for additional information.

Accessibility and Accommodation

The Disability Resource Center collaborates with students, faculty, staff, and community members to create diverse learning environments that are usable, equitable, inclusive and sustainable. The DRC provides FIU students with disabilities the necessary support to successfully complete their education and participate in activities available to all students. If you have a diagnosed disability and plan to utilize academic accommodations, please contact the Center at 305-348-3532 or visit them at the Graham Center GC 190.

Please visit our [ADA Compliance](#) webpage for information about accessibility involving the tools used in this course.

Please visit [Canvas's Commitment Accessibility](#) webpage for more information.

For additional assistance please contact FIU's [Disability Resource Center](#).

Academic Misconduct Statement

Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly to demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook.

Academic Misconduct includes: **Cheating** – The unauthorized use of books, notes, aids, electronic sources; or assistance from another person with respect to examinations, course assignments, field service reports, class recitations; or the unauthorized possession of examination papers or course materials, whether originally authorized or not. **Plagiarism** – The use and appropriation of another's work without any indication of the source and the representation of such work as the student's own. Any student who fails to give credit for ideas, expressions or materials taken from another source, including internet sources, is responsible for plagiarism.

Learn more about the [academic integrity policies and procedures](#) as well as [student resources](#) that can help you prepare for a

successful semester.

Course Prerequisites

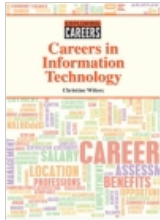
There are no prerequisites for this course.

Panthers Care & Counseling and Psychological Services (CAPS)

If you are looking for help for yourself or a fellow classmate, Panthers Care encourages you to express any concerns you may come across as it relates to any personal behavior concerns or worries you have, for the classmate's well-being or yours; you are encouraged to share your concerns with [FIU's Panthers Care website](#).

[Counseling and Psychological Services \(CAPS\)](#) offers free and confidential help for anxiety, depression, stress, and other concerns that life brings. Professional counselors are available for same-day appointments. Don't wait to call 305-348-2277 to set up a time to talk or visit the online self-help portal.

Textbook



Careers in Information Technology

Christine Wilcox

Referencepoint Press; 2015

ISBN-10: 1601527071

ISBN-13: 978-1-60152-707-3

Textbook link is provided in Canvas (Available starting Module 4)

DO NOT PURCHASE THIS TEXTBOOK. IT WILL BE PROVIDED ELECTRONICALLY AT NO COST.

Expectations of this Course

This is an online course, which means most (if not all) of the course work will be conducted online. Expectations for performance in an online course are the same for a traditional course. In fact, online courses require a degree of self-motivation, self-discipline, and technology skills which can make these courses more demanding for some students.

Students are expected to:

- Review the how to get started information located in the course content
- Take the practice quiz to ensure that your computer is compatible with Canvas
- Interact online with instructor/s and peers and keep up with all related class works
- Review and follow the course calendar
- Log in to the course at least once per day
- Respond to mail messages within Canvas within 2 days
- Submit assignments by the corresponding deadline

The instructor will:

- Log in to the course at least once per day
- Respond to discussion boards within 2 days
- Respond to Canvas mail messages within 2 days
- Grade assignments within 5 days after the deadline

COURSE DETAIL

Course Communication

Communication in this course with the instructor will take place via Canvas mail "Inbox" only. Please do not CC other classmates when you are messaging the instructor or CC the instructor when sending messages to other classmates. Check the "Announcements" link in Canvas regularly as this is the primary way the instructor will communicate with the class on matters that pertain to everyone.

"Messages" is a private and secure text-based communication system, which occurs within a course among its Course members. Users must log on to Canvas to send, receive, or read messages. The Messages tool is located on the Course Menu, on the left side of the course webpage. It is recommended that students check Messages and Announcements routinely and frequently to ensure up-to-date communication.

Discussion Forums

Keep in mind that your discussion forum postings will likely be seen by other members of the course. Care should be taken when determining what to post.

The "Discussion Board" in Canvas is where students can collaborate during the semester.

General Forum (not graded)

- Students may post general information related to the class
- Students cannot post any assignment results/answers or related files
- Availability is unlimited.
- This forum is not graded, it is to facilitate peer discussion

Discussion 1 - Introduce Yourself (Graded - 10 points)

- Students will post their introduction to the class here for 5 points
- Students will reply to another student's introduction post in a relevant way for another 5 points

Discussions 2 – Discuss possible career choices (Graded – 10 points)

- Students will post possible choices based on information gained in the course for 5 points
- Students will reply to another student's post in a relevant way for another 5 points

Assessments

In order to mitigate any issues with your computer and online assessments, it is very important that you take the "Practice Quiz" from each computer you will be using to take your graded quizzes and exams. It is your responsibility to make sure your computer meets the minimum [hardware requirements](#).

Quiz Expectations

- One practice Quiz
- First four quizzes graded on a ten point scale.
- Last two quizzes graded on a twenty point scale.
- Quizzes will be made available in Canvas on specific Wednesdays from 12 AM to Sunday 11:59 PM for a total of 5 days
- Students will see their score upon submission
- Students will see their submitted and correct answers after due date
- There will be no makeup quizzes so do it early

Assessments in this course are not compatible with mobile devices and should not be taken through a mobile phone or a tablet. If you need further assistance please contact [FIU Online Support Services](#).

Adobe Connect Pro Meeting

Adobe Connect is an online meeting room where you can interact with your professor and fellow students by sharing screens, sharing files, chatting, broadcasting live audio, and taking part in other interactive online activities. We will be utilizing this tool to conduct office hours.

Disclaimer: If a student does not show up in the online meeting room within 15 minutes of the appointment time, the meeting will be cancelled as a no show.

Meetings will be available weekdays.

Requirements for using Adobe Connect:

- Disable any window pop-up blocker.
- [Adobe Flash Player](#) is required to successfully run your Adobe Connect meeting. You can [test your computer](#) to make sure your computer and network connections are properly configured to provide you with the best possible Adobe Connect meeting experience.
- Use of a combination [headset and microphone](#) with USB connection is recommended to ensure quality sound and reduce technical difficulties.

Reference [Adobe Connect \(Tutorials & Help\)](#) to learn about the tool, how to access your meeting rooms and recordings.

Grading

THIS IS A PASS OR FAIL COURSE WITH A SCORE OF 70 POINTS OUT OF 100 TO PASS.

| Course Requirements | Number of Items | Points for Each | Total Points Available | Weight |
|---------------------|-----------------|-----------------|------------------------|--------|
| First Four Quizzes | 4 | 10 | 40 | 40% |
| Last Two Quizzes | 2 | 20 | 40 | 40% |
| Discussion Posts | 2 | 10 | 20 | 20% |
| Total | 8 | | 100 | 100% |

COURSE CALENDAR

Module Weekly Schedule

Module 1

01/07/2019

Module Learning Objectives:

- Get an overview of the course with the welcome video
- Read the syllabus to understand course requirements

Tasks:

- Read course requirements outlined in the syllabus
- Complete Practice Quiz
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 2

01/14/2019

Supports Course Learning Objectives:

- Recognize the scope of degree programs in the computing field
- Explain the research opportunities for undergraduate students

Tasks:

- Post Discussion 1 **Available 01/14 Due 01/27 (Required)** - Must be at least 1 post and 1 reply to a peer post - 10 points
- Read course requirements outlined in syllabus
- View Class Lecture Video
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 3

01/21/2019

Supports Course Learning Objectives:

- Recognize the scope of degree programs in the computing field
- Identify the Computer Science program

Tasks:

- Complete Quiz 1 **Available 01/23 - Due 01/27**
- View Class Lecture Video
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 4

01/28/2019

Supports Course Learning Objectives:

- Recognize the scope of degree programs in the computing field
- Identify the Information Technology program

Tasks:

- View Class Lecture Video
- Read eBook chapter on "Introduction: The Fastest-Growing Industry"
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 5

02/04/2019

Supports Course Learning Objectives:

- Recognize the scope of degree programs in the computing field
- Describe the career potential opportunities

Tasks:

- View Class Lecture Video
- Read eBook chapter on "Social Media Specialist"
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 6

02/11/2019

Supports Course Learning Objectives:

- Recognize the scope of degree programs in the computing field
- Describe the career potential opportunities

Tasks:

- Complete Quiz 2 **Available 02/13 - Due 02/17**
- View Class Lecture Video
- Read eBook chapter on "Software Tester"
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 7

02/18/2019

Supports Course Learning Objectives:

- Describe the career potential opportunities

Tasks:

- View Class Lecture Video
- Read eBook chapter on "Website Developer"
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 8**02/25/2019****Supports Course Learning Objectives:**

- Recognize the graduate programs
- Describe the career potential opportunities
- Explain the research opportunities for undergraduate students

Tasks:

- Complete Quiz 3 **Available 02/27 - Due 03/03**
- Read eBook chapter on "Database Administrator".
- View Class Lecture Video
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 9**03/04/2019****Supports Course Learning Objectives:**

- Recognize the scope of degree programs in the computing field
- Describe the career potential opportunities
- Identify the professional organizations

Tasks:

- View Class Lecture Video
- Read eBook chapter on "Computer System Analyst"
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 10**03/18/2019****Supports Course Learning Objectives:**

- Recognize the scope of degree programs in the computing field

- Describe the career potential opportunities
- Identify the professional organizations

Tasks:

- Complete Quiz 4 **Available 03/20 - Due 03/24**
- Post Discussion 2 **Available 03/18 Due 03/31 (Required)** - Must be at least 1 post and 1 reply to a peer post - 10 points
- View Class Lecture Video
- Read eBook chapter on " Information Security Analyst"
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 11**03/25/2019****Supports Course Learning Objectives:**

- Recognize the scope of degree programs in the computing field
- Describe the career potential opportunities

Tasks:

- View Class Lecture Video
- Read eBook chapter on "Wireless Network Architect"
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 12**04/01/2019****Supports Course Learning Objectives:**

- Recognize the scope of degree programs in the computing field
- Describe the career potential opportunities

Tasks:

- Complete Quiz 5 **Available 04/03 - Due 04/07**
- View Class Lecture Video
- Read eBook chapter on "Software Developer"
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 13**04/08/2019****Supports Course Learning Objectives:**

- Recognize the scope of degree programs in the computing field
- Describe the career potential opportunities

Tasks:

- View Class Lecture Video
- Check the different student organizations website
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM

Module 14**04/15/2019****Supports Course Learning Objectives:**

- Recognize the scope of degree programs in the computing field
- Describe the career potential opportunities
- Identify the professional organizations: ACM, ASI, STARS, UPE, WICS

Tasks:

- Complete Quiz 6 **Available 04/17 - Due 04/21**
- View Class Lecture Video
- Check the different student organizations website
- Attend Adobe Connect Meeting (**optional**) M W 6:00 PM - 7:00 PM