**COURSE SYLLABUS**

Systems Analysis & Design

CIS2321

Online Instruction

View [How to Be a Successful Student](https://go.spcollege.edu/Addendum/) which provides details about success factors and links to the most current version of fluid information, such as the academic calendar.

**WELCOME**

Welcome to CIS 2321.  It is my pleasure to work with you during these 8 weeks. We will cover a lot of material and it is important for you to review this syllabus, the course material and get started on time.  You may work ahead. However, late assignments will not be graded.

For your convenience, I usually respond to emails in the morning, afternoon, and early evening. Please contact me via email should you wish to meet as I frequently have meetings.

Don’t forget that there are computers and assistance in the Learning Support Commons.

Here is a link to the Learning Support Commons schedules <https://spcollege.libcal.com/> Do not hesitate to contact me should you have questions.

**INSTRUCTOR**

**Name:** Chrissy Risberg

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**Office and Online Hours:** Office Hours Vary (email for date and time)

**Office Location:** Tarpon Springs LY 248

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**ACADEMIC DEPARTMENT**

**Dean**: Jimmy Chang (Acting Dean)

**Office Location:** Clearwater Campus -215B

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**Website:** <https://www.spcollege.edu/future-students/degrees-training/technology>

**COURSE INFORMATION Course Description**

This course provides the student with ways to understand and apply fundamentals of systems analysis to the development of information systems used in business, government, or nonprofit environments. Both individual and team approaches are taken to analyze systems projects utilizing current information systems applications. The student will become familiar with a range of techniques for systems analysis. The student will be made aware of the importance of developing good human relations skills and the need to understand and deal with the social and political culture in organizations in the course of system analysis and design. It is recommended that this course be taken during the last session prior to graduation.

**Course Goals**

1. The student will demonstrate knowledge of the social and political aspects of organizations, the nature and behavior of organizational culture and the various human relations and communications skills necessary to effectively seek out and capture background system information by:
   1. Discussing social and political aspects of organizations and the nature and behavior of organizational culture.
   2. Participating individually or in a team of students to study various problems assigned by the instructor. The student members of each team are responsible for written studies and verbal presentation of projects assigned by the instructor.
   3. Investigating virtual or real businesses and/or organizations and gathering information on data and processes used.
2. The student will demonstrate knowledge of traditional and emerging approaches to systems development and associated analysis tools by:
   1. Discussing and defining the following approaches to systems development:
      1. SDLC, Iterative, and Prototyping.
      2. Joint Application Development (JAD), Rapid Application Development (RAD), and Agile Development.
      3. Object-Oriented Analysis and Design, and Unified Modeling Language.
   2. Discussing and utilizing the following diagram techniques:
      1. Data flow diagrams (DFDs).
      2. Entity Relationship Diagrams (ERDs).
      3. Use Case, State, Sequence, and Activity Diagrams.
      4. Logic Modeling with Decision Trees and Decision Tables.
   3. Discussing and utilizing the following systems analysis tools:
      1. User Interface layout and design.
      2. Questionnaires.
      3. Individual and group interview techniques.
      4. Feasibility studies.
      5. Logical and physical database design.
3. The student will demonstrate knowledge of the Systems Development Life Cycle (SDLC) and its role in developing a system by understanding and using a comprehensive process for developing a system study which will include:

              a. Problem Definition.

* 1. Project Identification and Selection.
  2. Project Planning.
  3. Data Collection and Analysis.
  4. Analysis of Systems Alternatives.
  5. Determination of Feasibility.
  6. Systems Design.

1. The student will demonstrate knowledge of Computer Assisted Systems Engineering (CASE) tools, their general components, and use in analysis and design by:
   1. Discussing the advantages and disadvantages of CASE and various factors involved in the selection of CASE tools.
   2. Discussing the components of CASE, including upper CASE, lower CASE, and cross life-cycle CASE.
   3. Discussing the use of form and report generators, the Repository and Data Dictionary.
   4. Discussing how CASE can enhance the traditional Systems Development Life Cycle.

**Prerequisites**

Prerequisite: CGS 1100 or Prerequisite: COP 1000.

**Availability of Course Content**

Students may work ahead but not behind in this course.  Late assignments will not be accepted, reviewed, or graded. However, late submissions may be accepted with a documented excuse (i.e. doctor note, family death certificate, etc.). Flexibility may be granted due to illness or other challenges. Contact the professor to discuss your needs.

This is an 8-week course.  You are assigned the same amount of work as a 16-week course in half the time.

Please be prepared to spend at least 10 hours per week completing assignments for this course.

**Due Dates**

* All due dates are posted in MyCourses in the Assignment Checklist.
* The assignments for the last unit must be handed in on time to count toward your final grade – no exceptions.
* Discussion Board Postings must be handed in on time.  Late discussions will not be accepted or graded.  For a chance at maximum points, make your first post is on Friday no later than 11:55 pm**.**
* For Quizzes and Drop Boxes:  **Late assignments will not be accepted, reviewed, or graded (unless discussed with your instructor at least 24 hours before the due date.**

If you have formal, documented proof of an emergency as per the college policy you should notify your instructor prior to the assignment due date for consideration.

* Assignments are graded within one week of the due date.

**REQUIRED TEXTBOOK & OTHER RESOURCE INFORMATION**

**Required e-Textbook:  Systems Analysis & Design 12e MindTap**

Publisher Information: Cengage

    ISBN Number:  9780357117835

***(All required course materials can be accessed and purchased through the MindTap Registration link within the Begin Here module)***

    View the [Textbook](https://go.spcollege.edu/textbooks/) site.

[View the](https://go.spcollege.edu/textbooks/) [SPC Libraries and Services](https://go.spcollege.edu/Libraries/) site.

**LEARNER SUPPORT**

Answers to questions regarding accommodations may be found at the [Accessibility](https://go.spcollege.edu/Accessibility/)

[Services](https://go.spcollege.edu/Accessibility/) site. If you are in need of accommodations, please contact a campus [Accessibility Services Coordinator](https://go.spcollege.edu/Contact-AccessibilityServices/). If you need a Sign Language Interpreter, complete the form at [web.spcollege.edu/survey/664](https://web.spcollege.edu/survey/664).

View the [Academic Support and Student Success](https://go.spcollege.edu/support/) site.

View the [Learning Center Tutoring Schedules](http://spcollege.libguides.com/c.php?g=609501&p=4230937).

View the [On Campus Academic Support](https://go.spcollege.edu/tutoring/#tab=2) site.

View the [Online Academic Support](https://go.spcollege.edu/tutoring/#tab=3) site.

View the [SPC Libraries and Services](https://go.spcollege.edu/Libraries/) site.

View the [Student Services](https://go.spcollege.edu/services/) site.

**IMPORTANT DATES**

View the [Academic Calendar](https://go.spcollege.edu/calendar/).

**Course Dates:** [Academic Calendar](https://go.spcollege.edu/calendar/).

**Drop Date:** [Academic Calendar](https://go.spcollege.edu/calendar/).

**Withdrawal Date:** [Academic Calendar](https://go.spcollege.edu/calendar/).

**Financial Aid Dates:** View the [Financial Aid Dates.](https://go.spcollege.edu/fadates/)

**ATTENDANCE**

View the college-wide attendance policy included in [How to Be a Successful Student.](https://go.spcollege.edu/Addendum/)

The policy notes that each instructor is to exercise professional judgment and define “active participation” in class (and therefore “attendance”), and publish that definition in each syllabus. Attendance will be taken for the first two weeks of the class to determine if you have been actively participating in the class. If you are not actively participating for the first two weeks, you will be withdrawn from the class with a "W". You will also be denied access to the course on MyCourses.

**You need to complete the following to be considered actively participating in the class:**

1. Unit 1 minimum, Sign Welcome Agreement and complete 70% of Module 1 assignments.
2. A minimum of 70% of Module 2 assignments.
3. At the 60% point of the class, attendance will be taken for the third time to determine that you have been actively participating. If you are considered not actively participating in the course at the 60% point, you will be withdrawn with a "WF".

**This will be determined by the following:**

1. **Completion of least 70% of work assigned to date.**

Students are required to withdraw themselves on or before the 60% point in the course to receive a grade of "W". The final date for voluntary withdrawal is published in the academic calendar. This date varies for dynamically dated, express and modmester courses.

**NOTE - Your instructor will not be able to withdraw you from the class. It is your responsibility.**

If a student wishes to withdraw after the 60% point, they will receive a "WF" grade.

\*\*If a student is dropped from a course and continues to work on tasks residing in resource materials housed outside of the MyCourses environment such as MindTap, the student will not be considered an active class participant.

**GRADING**

Each unit contains a variety of assignments including quizzes and practical application of skill. Each assignment has an assigned point value and that value is listed in the assignment checklist and within the course content.

(See **Assignment Checklist** within the Table of Content for detailed breakdown)

How to calculate your grades.

Maximum possible points ÷ Points received = Your grade

\*\*Subject to change with notification\*\*

**How to check your Grades and review feedback:**

* [Checking Your Grades](http://mycoursessupport.spcollege.edu/checking-your-grades)
* [Reviewing Dropbox Submissions](http://mycoursessupport.spcollege.edu/reviewing-a-dropbox-submission)
* [Checking Discussion Grades and Feedback](http://mycoursessupport.spcollege.edu/checking-discussion-grades-feedback)
* [Reviewing Quiz Submissions](http://mycoursessupport.spcollege.edu/reviewing-a-quiz)

**Grading Scale**

1. = 90-100%
2. = 80-89%
3. = 70-79%
4. = 60-69%

       F = 0-59%

**ASSIGNMENTS**

See Assignment Checklist within the course Table of Content

**STUDENTS' EXPECTATIONS**

* Obtain Course Materials no later than Wednesday of week 1.
* If there are problems with completion of the assignment by the appointed date, the student must discuss the matter with the instructor PRIOR to the due date. See the Assignment Checklist for specific due dates. There are only a few exceptions to the late assignment policy.
* It is the student’s responsibility to follow the schedule of class assignments.
* Late work will not be accepted, graded, or reviewed unless permission is granted PRIOR to assignment due dates. In the event an emergency occurs, please contact your instructor regarding college policy for submitting documentation.

Technological issues do not constitute an emergency, i.e., the Internet went down, or my computer didn’t work.

* You may need access to Microsoft Word, Access, PowerPoint, and/or Excel 2016 or greater for this class as well as access to Microsoft Visio and Microsoft

Project. All SPC campus libraries have Microsoft Office loaded on their computers.

* If may wish to download Microsoft Visio and Microsoft Project from the college if you are a CCIT student.

**For the best scores:**

* Check MyCourses e-mail and Discussion Board postings 4-5 days per week.
* Check assignment grades in MyCourses every week.
* Use MyCourses e-mail to communicate with the instructor.
* For chance at a top score on Drop Box Assignments:
  + Submit it on-time according to the Assignment Checklist. o Use the correct file name o Have minimal grammar errors
  + Cite and reference textbook quotes and

paraphrases o Use quotes sparingly o **Do not write answers that are verbatim from the textbook.** o Add more support for your answer by including a reference to a reputable website or peer-reviewed journal article.

Also see Student Expectations found in the [Syllabus Addendum](http://www.spcollege.edu/addendum/)

**INSTRUCTOR'S EXPECTATIONS Required Interaction**

* I will provide meaningful activities to develop your technical and software skills.
* I will be available to you if you have questions or concerns.
* I will respond to emails within 24 hours. If at any time I anticipate a delay in my  24 hour turnaround time, I will indicate so in an email prior to my absence. Holidays are always an exception.
* I will respond thoughtfully and critically to your comments, questions, and written assignments.
* I will evaluate your coursework in a timely manner and will communicate to you when you should expect your grade on a particular assignment. Grades are usually posted within 7 days of the due date (note the date submitted).
* As the field of computer and information technology is vast and constantly changing, I will be your fellow learner.

**Participation, Conduct, and Netiquette**

SPC has outlined expectations for student behavior and interaction for online discussions, email, and other forms of communication. View the Student Expectations in [How to Be a Successful Student.](https://go.spcollege.edu/Addendum/)

**Academic Honesty**

View the [Academic Honesty Policy.](https://go.spcollege.edu/AcademicHonesty/)

**Copyright**

Copyrighted material within this course, or posted on this course website, is used in compliance with United States Copyright Law. Under that law you may use the material for educational purposes related to the learning outcomes of this course. You may not further download, copy, alter, or distribute the material unless in accordance with copyright law or with permission of the copyright holder. For more information on copyright visit: [Copyright.gov.](http://www.copyright.gov/)

**STUDENT SURVEY OF INSTRUCTION**

The Student Survey of Instruction is administered in courses each semester. It is designed to improve the quality of instruction at St. Petersburg College. All student responses are confidential and anonymous and will be used solely for the purpose of performance improvement.

**TECHNOLOGY**

**Minimum Technology Requirements**

View the [Technical Requirements for MyCourses.](https://mycoursessupport.spcollege.edu/technical-requirements-for-mycourses)

SPC offers Microsoft Office software to current students at no additional cost. The software is available for both Windows and Mac computers. SPC provides Microsoft Office 365 to students at no extra cost.  [https://mycoursessupport.spcollege.edu/download-office](https://mycoursessupport.spcollege.edu/download-office-2016)

There are other tools available for CCIT degree seeking students.  You may acquire these through SPC’s Microsoft Azure located in the student’s MYSPC. **Minimum Technical Skills**

Specify the minimum technical skills expected of the learner: general and course specific learners must have to succeed in the course.

Students should know how to navigate the course and use the course tools.

Dropbox style assignments may require attachments in either Microsoft Word (.doc or .docx) or Rich Text Format (.rtf), so that they can be properly evaluated. If an attachment cannot be opened by the instructor, students will be required to re-format and re-submit an assignment so that it can be evaluated and returned with feedback.

MyCourses tutorials are available to students new to this LMS and are located at the beginning of the course. Most features on MyCourses are accessible on mobile devices, although it is recommended that you use a computer for quizzes, tests, and essay assignments.

Computer Guidelines and Specifications for Online/Blended Classes

**Technology Specifications for CCIT Courses**

|  |  |  |
| --- | --- | --- |
| **Computer Hardware**  **Specifications** | **Minimum** | **Recommended** |
| Processor | Intel Core i5 2.4 GHz or equivalent | Intel Core i7 2.8 GHz or higher |
| Memory (RAM) | 4 GB | 8 GB or higher |
| Network Interface (True High Speed Broadband Internet Connection) | Download Bandwidth of 25 mb/s | Download Bandwidth of 100 mb/s or higher |
| Disk Storage | Adequate free space for storage of class files as needed | |

|  |  |
| --- | --- |
| **Computer Software**  **Specifications** | **Recommended** |
| Operating System | Windows 10 or later with latest updates |
| Internet Browser | Chrome or Firefox with latest updates |
| Microsoft Office | Current version (available to current students at no cost) |

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| **Additional Notes:**     1. Mac laptops and desktops are acceptable as long as they meet all requirements above. The Safari browser is not generally acceptable for working with many of the external environments used in CCIT classes. 2. Students MUST use a fully functioning computer to complete course assignments. DO NOT attempt to use mobile phones or tablets for that purpose. Although Chromebook laptops may work in many cases, they are NOT recommended. 3. Students must have access to required materials including necessary technology from the first day of class. |

**Accessibility of Technology**

This course is designed to be welcoming to, accessible to, and usable by everyone, including students who are English-language learners, have a variety of learning styles, have disabilities, or are new to online learning. Be sure to let me know immediately if you encounter a required element or resource in the course that is not accessible to you. Also, let me know of changes I can make to the course so that it is more welcoming to, accessible to, or usable by students who take this course in the future.

If you have documentation of a disability or feel you may have a disability:

St. Petersburg College recognizes the importance of equal access to learning opportunities for all students. Accessibility Services (AS) is the campus office that works with students who have disabilities to provide and/or arrange reasonable accommodations. Students registered with AS, who are requesting accommodations, are encouraged to contact their instructor by the first week of the semester. Students who have, or think they may have, a disability (e.g. learning disability, ADD/ADHD, psychiatric, medical/orthopedic, vision, and/or hearing), are invited to contact the Accessibility Coordinator (AC) that serves your campus for a confidential discussion. To find your AC for your specific campus, please go to the college-wide Accessibility Services website: [https://www.spcollege.edu/accessibility.](https://www.spcollege.edu/accessibility)

* [MyCourses (Brightspace by Desire2Learn) Accessibility](https://www.d2l.com/accessibility/)
* [Cengage Accessibility](https://www.cengage.com/accessibility/)
* [Turnitin Accessibility](http://turnitin.com/en_us/about-us/accessibility)
* [Google (YouTube) Accessibility](https://www.google.com/accessibility/)

**Privacy**

* [MyCourses (Brightspace by Desire2Learn) Privacy](https://www.d2l.com/legal/privacy/)
* [Cengage Privacy](https://www.cengage.com/legal/)
* [Turnitin Privacy](http://turnitin.com/en_us/about-us/privacy)
* [YouTube Privacy](https://www.youtube.com/t/privacy)

**Technical Support**

Technical support is available via the [Technical Support Desk Call Center.](https://mycoursessupport.spcollege.edu/technical-support-desk-call-center)

**INSTRUCTIONAL CONTINUITY PLAN - EMERGENCY PREPAREDNESS POLICY**

The St. Petersburg College website at [www.spcollege.edu i](http://www.spcollege.edu/)s the official source of college information regarding the status of the institution. Other important information will be communicated via SPC Alert, local media outlets, and the college toll-free phone number 866-822-3978. All decisions concerning the discontinuation of college functions, cancellation of classes, or cessation of operations rest with the President or his/her designee. The College realizes that it is possible for a significant natural disaster to compromise SPC campus facilities sufficiently to disrupt the delivery of classes on campus/campuses for an extended period of time, and is planning ways our operations can continue following such an emergency.

So, in the event that a hurricane or other natural disaster causes significant damage to St. Petersburg College facilities, you may be provided the opportunity to complete your course work online. Following the event, please visit the college website for an announcement of the College's plan to resume operations.

Further, in the event of such a disaster, the instructor will continue using the Learning Management System (LMS) of MyCourses for continuation of all required learning and instructional activities in this course, including the issuing of graded online assignments and expectation of student completion of those graded assignments.

Therefore, in order to keep up with all activities in this course during and after a natural disaster, please plan to continue this course by maintaining online access to MyCourses in lieu of meeting in a classroom - possibly through duration of the course's regularly scheduled end date. We will finish this course in MyCourses, as directed by your instructor online, and your instructor will use all graded assignments - both online and formerly on-campus - to assess and issue your final letter grade for this course, as normally planned, despite occurrence of the natural disaster.

**SPC’s Student Assistance Programs:** As an SPC student it's vital that you know Titans Care. You can access resources through SPC’s Student Assistance Programs <https://www.spcollege.edu/current-students/student-affairs/student-support-resources/student-assistance-programs/resources-for-life-issues> a collaborative resource for students with mental health or general life issues. SPC's Student Assistance Program provides help and education in suicide prevention, mental health, substance abuse awareness and more. It is SPC’s belief that supporting mental wellness is everyone’s charge and that one loss as a result of substance abuse, mental illness, or suicide is one too many. If you or a loved one are considering suicide, please call the National Suicide Prevention Lifeline at 1-800-273-8255.