

# CPT 167 COURSE SYLLABUS

Course Title: Introduction to Programming Logic  
Lecture Hours: 3.0  
Contact Hours: 3.0

Prefix Number: CPT 167  
Lab Hours: 0.0  
Credit Hours: 3.0

## CATALOG DESCRIPTION

This course introduces foundation concepts in structured programming. Problem solving and algorithm development through pseudo code and flowcharting is emphasized. Solutions are developed using the basic control structures of sequential, decision and iteration.

## COURSE DESCRIPTION

Students will understand the basic concepts of computer programming and use a systematic technique to solve various problems by developing computer programs expressed in the Java language. Students will acquire the ability to analyze problems and implement solutions. This syllabus applies to this course in all of its formats.

## PREREQUISITE

CPT 114 with a grade of "C" or better.

## LEARNING OUTCOMES

- Explain and use an organized methodology for problem solving.
- Design several variations on the basic sequential, selection, and repetition logic structures and then implement the logic in Java programs.
- Use the Java language to input data from the console and output data to the monitor.
- Incorporate functions to handle common and/or repetitive tasks.
- Develop menus and data validation techniques to enable accurate and successful program execution.
- Understand the difference between data declaration, method declaration, and method implantation.

## TEXTBOOKS AND OTHER REQUIRED MATERIALS

Gaddis, Starting Out with Java: From Control Structures through Objects, 7th Edition, ISBN: 9780134802213

***NOTE: We do not use the publisher's online course, textbook code, or course code.***

## INSTRUCTOR

To contact the course Instructor, use the Email system in D2L. To find your instructor's email link, click the Classlist link, click the Instructor(s) tab and then click their name. Look for a response in your my.tridenttech.edu email.

**COURSE LEAD INSTRUCTOR:** Victor Boudolf, Information Systems,  
victor.boudolf@tridenttech.edu

## SOFTWARE REQUIREMENTS

- Eclipse Integrated Development Environment

*See "Steps for Installing Eclipse and JDK" (in our course) for installation steps.*

***PRIVACY NOTE: We do not use non-D2L materials that require students to provide personal information; never provide personal/private information without discretion.***

## SYSTEM REQUIREMENTS

- Windows 10 or higher recommended
- Mac/Linux OS may be used for completing the Eclipse Programming projects. If you use one of these operating systems, you are expected to know how to install software and find and upload files. You must also be able to submit drawio files as PDF files.
- *Chromebooks **cannot** be used to complete the course*

## INTERNET CONNECTION

- Broadband connection is highly recommended.

## GRADING SYSTEM AND POLICY

Final grades will be awarded according to the following grading scale:

**91 - 100 = A**

**81 - 90 = B**

**71 - 80 = C**

**65 - 70 = D**

**Below 65 = F**

The final grade for this course will be determined by the following:

**Quizzes = 20%**

**Homework = 15%**

**Projects = 45%**

**Final Project = 20%**

**TOTAL = 100%**

## HOMEWORK POLICIES

1. Assignments **must** be **complete** and **submitted no later than the day due**. Late submissions are allowed (except for the first and final projects), but the grade will be reduced based on how late it is submitted.
2. Assignments **must** be submitted through the **D2L Dropbox**.
3. Assignments **must NOT** be submitted through email.
4. Assignments **must** be original, unique, and completed independently.
5. Programs that **contain content outside of the course lessons or violate the Academic Integrity Policy** will be considered ineligible for review or feedback and will receive a grade of zero.
6. Programs that do not compile or function properly will be considered ineligible for review or feedback and will receive a grade of zero.

## **ACADEMIC HONESTY QUIZ**

This ‘quiz’ simply acknowledges that you have read and understand the TTC Academic Honesty policy. This must be completed before access is allowed to any other work. It does not count as attendance. If you are taking the course online, you must submit the first Eclipse assignment to be counted as attending.

## **FINAL EXAM / PROJECT**

The **Final Exam is a required project** that will be available the last week of our course. **NOTE:** As it is an **Exam**, students **are not to discuss any element of the Exam with others (i.e. students, instructors, etc.) or search or post to the Internet any aspect of the Exam**. (You may ask your instructor for clarification of the requirements, but not for help on the program itself.) Violations of this policy may result in an automatic **ZERO** for the Exam.

**EXEMPTION:** Students with an ‘A’ in the course (after Program 6 and Quiz 3 grades are posted) **will be exempt** from the final exam.

## **LATE POLICY**

For projects submitted after the due date, the grade will be reduced by five points the first day, and two points for each following day it is late. The date/time is based on the time stamped by the D2L Dropbox. Programs more than six days late will need special permission to be accepted.

## **COURSE EXPECTATIONS**

The following expectations were developed to assist the student in understanding their responsibilities throughout the duration of this course.

1. Students are expected to check for posted assignments and exams, as well as due dates and requirements.

2. Students are expected to conduct themselves in a professional and respectful manner and take responsibility for their own work.
3. Students are expected to communicate with the instructor and each other in a professional and respectful manner and without violating course or college policies.
4. Students are expected to submit work on or before the due date. Late work is not automatically approved or accepted after the due date; see late policy.
5. Students are expected to work independently and submit original, unique, and independently completed course work. Violation of this policy will result in failure of the course.

## COMMUNICATION POLICY

Student and instructors are expected to communicate via D2L email and course discussion threads. Students are expected to check the course discussion threads and their D2L email on a frequent and regular basis; recognizing that course communications may contain time-sensitive content. Students are expected to use D2L email only for private, personal, one-to-one communication with the instructor and to use discussion threads to post questions that might be of general interest to all students (such as, questions about lesson concepts, assignments, etc.). **NOTE:** Assignments sent to the instructor's D2L email address will not be accepted; per the Homework Policies in this course, assignments are required to be submit through the D2L Dropbox.

**Netiquette:** Netiquette is a set of rules for appropriate online behavior. Students are expected to follow these basic rules of netiquette in this course:

- Use **respectful language** and a **respectful tone** (with instructors and students)
- Use **proper punctuation, spelling, and grammar** (no text abbreviations)
- Use **only course content** (for lessons, assignments, and answers to questions)
- Use **discussion threads for questions** (on lesson concepts, assignments, etc.)
- Use **details in every question** (including specifics will help students get support)
- **Respond to fellow student questions** (with answers, suggestions, and/or support)

Discussion posts and emails to instructors will be answered within 48 hours. Instructors may respond to a post or email within hours but cannot guarantee such a quick response time to all posts and emails. Students are expected to allow instructors up to 48 hours to respond to any email or post. Program assignments submit according to the Homework Policies, will receive feedback within 48 hours. Students are expected to allow instructors up to 48 hours to post feedback. **NOTE:** For questions on course assignments, it is recommended that students plan ahead and submit questions well ahead of the due date.

## ACADEMIC INTEGRITY POLICY

Academic integrity is directly related to student honesty, responsibility and respect for scholarship. Academic misconduct includes, but is not limited to, cheating, collusion, plagiarism, falsification of information, and inappropriate use of a college computer.

**A cheating violation includes, but is not limited to, the following:**

- Copy, pasting and/or modifying parts of an assignment from course lessons or examples.
- Copy, pasting and/or modifying parts of an assignment from a past course or another course.
- Copy, pasting and/or modifying parts of an assignment from another student.
- Copy, pasting and/or modifying parts of an assignment from any Internet source.
- Modifying code from lessons, examples, other students, or the Internet, to make it look original.

**A collusion violation includes, but is not limited to, the following:**

- Sharing parts of an assignment, program or exam with another student (i.e. current, past, or future student, in any section).
- Sharing full copies of an assignment, program or exam with another student (i.e. current, past, or future student, in any section).
- Posting parts of an assignment, program or exam to any Internet source (i.e. blogs, wikis, Google searches).
- Posting full copies of an assignment, program or exam to any Internet source (i.e. blogs, wikis, Google searches).

**A plagiarism violation includes, but is not limited to, the following:**

- Plagiarism is defined as the appropriation of any other person's work and the unacknowledged incorporation of that work in one's own work offered for credit (TTC Student Handbook).
- Plagiarism includes submitting work as your own that was copied from another source. Plagiarism is not limited to words. In fact, any time you submit someone else's ideas, images, efforts, or code as your own, you have committed plagiarism.
- Plagiarism is considered academic misconduct and is therefore subject to the processes and penalties described fully in the TTC Student Handbook. All students should familiarize themselves with these expectations, policies, and possible consequences.

**A computer violation of the honor code includes, but is not limited to, the following:**

- Representing another's work or answers as one's own.
- Using another's access (password) for either obtaining privileged information or causing unauthorized changes.

- Bypassing, by any means, security measures installed on the computer.
- Using college resources (i.e. D2L or Internet access) for sending, receiving, sharing or printing information considered in violation of the academic misconduct policy or which is personal or unrelated to current course work at TTC.

If the Assistant Vice President for Instruction determines that a student has been involved in academic misconduct, the student will be subject to suspension or expulsion from the college. Please refer to the current Student Handbook for more information on Academic Misconduct and Procedures for Disciplinary Action for Academic Misconduct.

## **YOUR COMMITMENT**

Success in this course requires serious COMMITMENT on your part. You must be committed to participating online or in the classroom and working independently. You must be COMMITTED to completing your homework assignments and exams on time. You must be COMMITTED to seeking additional help if you find yourself having difficulty. The opportunity for success is available to you, and you must be COMMITTED to taking advantage of this opportunity.

## **TUTORING SESSIONS**

If you are finding the course material difficult, there is help available. First, review the Course Links, Lessons, Course Content, and Textbook. Second, contact your instructor to ask for assistance with the programming concepts; they are subject matter experts and ready to help. Lastly, if your instructor is unable to meet with you, they may refer you to the Lead Instructor. **NOTE:** Instructors/Tutors may help with course lessons and concepts; however, they cannot help students complete course assignments or programs.

## **ACCOMMODATIONS FOR STUDENTS WITH SPECIAL NEEDS:**

The College will make reasonable accommodations for persons with documented disabilities. Students with disabilities should notify the disabled students' counselor (located in Counseling and Career Development, Building 410, Room 210) and their instructors of any special needs. Instructors should be notified on the first day of classes.

## **ELECTRONIC COMMUNICATION DEVICES IN CLASSROOMS:**

To minimize classroom disruptions and protect the integrity of lectures, classwork, and test-taking situations, activated electronic communication devices such as pagers, cell phones, tablets and smart-watches (as communication devices) are not permitted in classrooms at Trident Technical College.

To comply with the appropriate use policy, for college provide electronic devices, use of these devices for non-course related activities is not permitted in the classroom.

Also, the use of electronic devices to complete quizzes, or programs during lectures, presentations, test-taking situations is not permitted in the classroom.

*The only exception to this policy will be for on-call emergency personnel (police, fire, EMS) (for required communication only), who will be required to notify their classroom instructor of their need for such devices and provide documentation verifying their occupation. However, on-call emergency personnel may not leave a testing situation, communicate by electronic means and return to complete an examination. In these cases, the student must make arrangements for re-testing.*

## **CLASSROOM CIVILITY**

Student learning is a top priority. Students are expected to come to class prepared and attentive. To ensure a productive learning environment, students must show courtesy and respect to their instructors and fellow students. Instructors will not tolerate uncivil or disruptive behavior. The instructor may dismiss a disruptive student from the class for the remainder of the class period. If inappropriate behavior persists, the instructor may refer the student to the Vice President for Student Services for disciplinary evaluation.

## **ATTENDANCE POLICY**

Prompt and regular attendance is the responsibility of each student. In most cases, a student must attend at least 80 percent of classes in order to have an opportunity to earn a passing grade. The student is responsible for all material covered and all assignments made in class. Any time a student is absent from a class, laboratory, or other scheduled event, it is the student's responsibility to make satisfactory arrangements for any make-up work permitted by the instructor.

All Veteran students are required to maintain attendance in order to earn VA benefits. Instructors are no longer allowed to withdraw veteran students. If a veteran student stops attending classes and earns a failing grade, it may affect the veteran's ability to continue using these benefits. Attendance for online classes will be judged by more than merely logging on: the student must submit required homework assignments also. Contact the Veterans Assistance office for additional information.

## **FOR STUDENTS ENROLLED IN IN-SEAT, ONLINE OR OTHER DISTANCE-LEARNING SECTIONS:**

To confirm that you are actively involved in this course you must complete the requirements for each course module; by submitting at least 1 assignment each week. Course assignments include quizzes, programs, and exams.

## **WITHDRAW POLICY**

It is the student's responsibility to initiate the paperwork required to drop or withdraw from courses. Instructors cannot withdraw students from a course. Failure to attend



classes does not constitute proper procedure for dropping or withdrawal and may result in the grade of F. Instructors cannot assign a grade of W. Contact the Admissions and Records Office for additional information.

### **ACCESS TO COMPUTERS FOR ACADEMIC COURSES**

The college has computer labs available for student use on all three campuses. Students without home computers should plan to accomplish their assignments at the college.

### **FACULTY AVAILABILITY**

Full-time faculty maintain regularly scheduled office hours. Adjunct faculty do not have offices on campus. To contact an adjunct faculty by phone, students may call the Business Division office at 574-6252 and leave a message on voice mail. These messages are placed in adjunct faculty mailboxes several times throughout the day.

### **EMERGENCY CLOSURES**

The college follows the safest approach to operations during severe weather or dangerous health and safety conditions and may close during such emergency situations. College closures will be communicated using the school's emergency system, which includes posts on the Portal and in D2L. During this time, instructors will use D2L to communicate with students, and share adjusted class schedules and assignment notes.

### **THIS SYLLABUS IS SUBJECT TO CHANGE BY THE INSTRUCTOR**