

**COSC-1437-86047 Programming Fundamentals II**

|                                |                                       |
|--------------------------------|---------------------------------------|
| Instructor: Chegwiddden, James | Office: SE ESCT 2208A                 |
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| Term: Fall 2016                | Last Day to Drop: 11/17/16            |

**Office Hours**

| Day | Start    | End      | Start | End | Start | End |
|-----|----------|----------|-------|-----|-------|-----|
| Mon | 01:00 PM | 03:00 PM |       |     |       |     |
| Tue | 02:00 PM | 05:00 PM |       |     |       |     |
| Wed | 01:00 PM | 03:00 PM |       |     |       |     |
| Thu | 02:00 PM | 05:00 PM |       |     |       |     |
| Fri |          |          |       |     |       |     |
| Sat |          |          |       |     |       |     |
| Sun |          |          |       |     |       |     |

Comments:  
Fall 2016 Office

[District Course Requirements](#)[Books](#)**Student Accessibility Resources**

Any student with a documented disability needing academic accommodations is required to contact the Student Accessibility Resources (SAR) Office located on each campus to schedule an appointment with the Coordinator of SAR. All discussions are confidential. Because SAR accommodations may require early planning and are not provided retroactively, students are encouraged to contact SAR as early in the semester as possible. SAR is responsible for approving and coordinating all disability-related services. TCC professors will honor requests for accommodation when they are issued by SAR.

**Text(s):**

Required:

- Starting Out With C++ From Control Structures through Objects (8th Edition) Author: Gaddis, 2015, ISBN: 978-0133769395

Access Code not needed. You may use any format (textbook, e-book, etc.) but it must be the 8th edition.

**Special Materials:**

Other Items/Software:

Required

- A working and reliable high-speed Internet connection- with a current web browser
- Visual C++ 2015 (Visual Studio 2015 Professional or Visual Studio Express 2015)
- MS Word or Notepad
- WinZip (or similar)- for extracting files

All programs must be written using the VC++ 2015 compiler. The Information Technology Centers (CS labs) at the TCC campuses should also have the appropriate software. The student is responsible for acquiring, installing, and using the particular software.

Web sites:

MyTCC Portal

- <https://my.tccd.edu/>

Visual Studio (C++)

- <https://www.visualstudio.com/en-us/products/visual-studio-express-vs.aspx>
- <https://beta.visualstudio.com/vs/community/>

Additional course notes may be provided by the instructor.

**Focus:**

Review of control structures and data types with emphasis on structured data types. Applies the object-oriented programming paradigm, focusing on the definition and use of classes along with the fundamentals of object-oriented design. Includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering. **Recommended prerequisite: COSC 1436.** (TCC Catalog)

**This is not a first course in college level computer programming. If you need a first course, the suggested course is COSC 1436 Programming Fundamentals I. This course should be your second (or later) programming course or you should have equivalent knowledge. I will assume you have the recommended prerequisite for this course as stated in the catalog.**

**Requirements:**

**Programs-** Six (6) programming problem sets will be assigned. Some problems may require extra thought/effort.

- No programs will be made-up or dropped.
- Programs will be accepted one day past the due date at 80% value.

In addition, one programming set grade will be replaced with the highest grade in the particular category. The original program set grade must be non-zero. A notation in the gradebook will be made once the grade has been replaced.

**Quizzes-** Four (4) quizzes will be given during the semester. A quiz will include a combination of multiple choice, short answer questions and/or questions involving the tracing, evaluating, and writing of programs. Some questions may require extra thought/effort. The final quiz will be required of all students.

- No quizzes will be made-up.
- Quizzes will be accepted one day past the due date at 80% value.
- The lowest (1) quiz grade will be dropped.

More grading particulars can be found in the classroom on the MyTCC portal. When a program or quiz is graded and posted during the term, a student has up to 24 hours to question the grade. After that time, the grade will not be changed. All question challenges must contain the text or web site reference of the proposed correct answer.

**Grading Criteria:**

| Activity | Grade Allocation | Grade Distribution |
|----------|------------------|--------------------|
| Programs | 55%              | A 89.5% - 100+%    |
| Quizzes  | 45%              | B 79.5% - 89.49%   |
|          |                  | C 69.5% - 79.49%   |
|          |                  | D 59.5% - 69.49%   |
|          |                  | F 0.0% - 59.49%    |

**Class Dates:**

**Daily Assignments:****COSC 1437 - Tentative Course Schedule**

- Actual due dates are posted on the MyTCC (Blackboard) portal.
- Chapters listed below are from the Gaddis text

| <b>Week(Mon)</b> | <b>Topic</b>                              |
|------------------|---|
| <b>1- 8/29</b>   | <b>Orientation, Review (Chapters 1-6)</b> |
| <b>2- 9/5</b>    | <b>Chapter 7</b>                          |
| <b>3- 9/12</b>   | <b>Chapter 8, Quiz 1</b>                  |
| <b>4- 9/19</b>   | <b>Chapter 9</b>                          |
| <b>5- 9/26</b>   | <b>Chapter 10</b>                         |
| <b>6- 10/3</b>   | <b>Chapter 12</b>                         |
| <b>7- 10/10</b>  | <b>Chapter 11</b>                         |
| <b>8- 10/17</b>  | <b>Chapter 13, Quiz 2</b>                 |
| <b>9- 10/24</b>  | <b>Chapter 13</b>                         |
| <b>10-10/31</b>  | <b>Chapter 14</b>                         |
| <b>11-11/7</b>   | <b>Chapter 14</b>                         |
| <b>12-11/14</b>  | <b>Chapter 15</b>                         |
| <b>13-11/21</b>  | <b>Chapter 15, Quiz 3</b>                 |
| <b>14-11/28</b>  | <b>Chapters 16 &amp; 19</b>               |
| <b>15-12/5</b>   | <b>Chapter 17</b>                         |
| <b>16-12/12</b>  | <b>Final Exam Week, Quiz 4</b>            |

**Note:** All assignments will be due at 11:59 pm on the given date of the particular assignment. All assignments are posted well in advance. Students should allow ample time to complete the activity as the computer will close the activity at precisely 11:59 pm, even if the assignment is incomplete. Inevitably, if the student chooses to wait until the last minute, unpredictable challenges will occur, such as a server or power outage. Plan ahead. DO NOT WAIT UNTIL THE LAST MINUTE.

## Additional Class Information:

### Communication Plan

- E-mail will be the primary means of communication in the course. Instructor e-mail address:  
  
james.chegwidden@my.tccd.edu
- All e-mail from the instructor will be sent to the students MyTCC e-mail account. The instructor is not responsible for any e-mail that has been missed due to a bad forwarding address.
- The instructor will check e-mail daily except on Saturdays and will respond within 24 hours. This means you can NOT wait until the last minute to ask a question regarding an assignment.
- It is important that you commit to checking your e-mail daily so you don't miss important information.
- All course information (lessons, activities, etc.), grades, and feedback from the instructor will be through the MyTCC portal website. You are responsible for any changes that will be made to the class dates and/or assignments.
- Announcements will be posted on a regular basis of upcoming due dates.

### Attendance Policy

- A student in an online course is required to successfully complete the online course orientation and actively participate in the course as described in the Syllabus/ICR. A student not meeting these requirements may be dropped at the discretion of the instructor.
- Attendance will be taken after each assignment is graded. A non-zero grade in the grade book for the particular assignment will be marked as present.

### Grade Incomplete

- An incomplete can only be granted to students that are passing at the time of the incomplete request per TCC policy. A dean approves an incomplete request- not your professor.

### Other

- Unless otherwise noted, you are on your honor to complete all work on an individual basis. Any form of cheating in this course will result in a grade of zero on the assignment for all students involved.
- Proper notice will be given to any adjustments to the Syllabus/ICR.

[TCCD Academic Calendar](#) for important College Dates.

[TCCD Student Handbook](#) for information on attendance and withdrawal policy, dishonesty and plagiarism, and student accessibility resources.

[Access Course Evaluations](#) for instructions on evaluating courses.

[Attendance](#) for attendance requirements.