

# COURSE SYLLABUS

<b>Course Name &amp; Number</b>	COSC 1436-Programming Fundamentals I	<b>Semester &amp; Year</b>	Spring 2017
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<b>Instructor's Name</b>	James Chegwiddden	<b>Office Hours</b>	Virtual-
<b>Office Phone #</b>	None		MTWTH 11:00-11:30AM
<b>E-mail Address</b>	<a href="mailto:jchegwiddden@nctc.edu">jchegwiddden@nctc.edu</a>		
<b>Office #</b>	Online		

<b>Catalog Description</b>	<p>This course introduces the fundamental concepts of structured programming, and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. (NCTC Catalog)</p> <p>OOP will not be taught in this course.</p>
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<b>Textbook &amp; Materials Required/ Recommended</b>	<p><b>Required:</b></p> <p><b>Book:</b></p> <ul style="list-style-type: none"> <li>Starting Out with C++ From Control Structures through Objects (8th)- Brief Edition. Author: Gaddis, 2015, ISBN: 978-0134037325</li> </ul> <p>Access Code not needed. You may use any format (textbook, e-book, etc.) but it must be the Brief 8th edition.</p> <p><b>Software:</b></p> <ul style="list-style-type: none"> <li>Visual C++ 2015 (Visual Studio 2015 Professional or Visual Studio Express 2015).</li> </ul> <p>All programs must be written using the VC++ 2015 compiler. The student is responsible for acquiring, installing, and using the particular software.</p> <p><b>Web sites:</b> Visual Studio (C++)</p> <ul style="list-style-type: none"> <li><a href="https://beta.visualstudio.com/vs/community/">https://beta.visualstudio.com/vs/community/</a></li> <li><a href="https://www.visualstudio.com/en-us/products/visual-studio-express-vs.aspx">https://www.visualstudio.com/en-us/products/visual-studio-express-vs.aspx</a></li> </ul>
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<b>Learning Outcomes</b>	<p>At the completion of this course the student will be able to:</p> <ul style="list-style-type: none"> <li>Describe how data are represented, manipulated, and stored in a computer.</li> <li>Categorize different programming languages and their uses.</li> <li>Understand and use the fundamental concepts of data types, structured programming, algorithmic design, and user interface design.</li> <li>Demonstrate a fundamental understanding of software development methodologies, including modular design, pseudo code, flowcharting, structure charts, data types, control structures, functions, and arrays.</li> <li>Develop projects that utilize logical algorithms from specifications and requirements statements.</li> <li>Demonstrate appropriate design, coding, testing, and documenting of computer programs that implement project specifications and requirements.</li> <li>Apply computer programming concepts to new problems or situations.</li> </ul>
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<b>Scholastic Integrity</b>	Scholastic dishonesty shall include, but not be limited to cheating on a test, plagiarism, and collusion. See Student Handbook “Student Rights & Responsibilities: Student Conduct [FLB (LOCAL)]” #20 on page 175.
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<b>Attendance Policy</b>	<ul style="list-style-type: none"> <li>A student in an on-line course is required to successfully complete the on-line course orientation and actively participate in the course as described in the Syllabus.</li> <li>Attendance will be taken after each assignment is graded. A non-zero grade in the gradebook for an assignment will be marked as present.</li> <li>An absence does not relieve the student of the responsibility for making up required work. Dropping a course is the student's responsibility, but you <b>MAY</b> be dropped for excessive absence. See Attendance Regulations in the North Central Texas College Catalog.</li> </ul>
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<b>Grading Policy &amp; Procedures</b>	<b>Activity</b>	<b>Grade Allocation</b>	<b>Grade Distribution</b>
	<b>Programs</b>	<b>40%</b>	<b>A 89.5% - 100+%</b>
	<b>Exams</b>	<b>60%</b>	<b>B 79.5% - 89.49%</b>
			<b>C 69.5% - 79.49%</b>
			<b>D 59.5% - 69.49%</b>
			<b>F 0.0% - 59.49%</b>
<p><b>Programs</b>– Four (4) programming problem sets will be assigned. Some problems may require extra thought/effort.</p> <ul style="list-style-type: none"> <li>No programs will be made-up or dropped.</li> <li>Programs will be accepted one day past the due date at 80% value</li> </ul> <p><b>Exams</b>- Three (3) exams will be given during the semester. An exam 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 exam will be required of all students.</p> <ul style="list-style-type: none"> <li>No exams will be made-up.</li> <li>Exams will be accepted one day past the due date at 80% value</li> <li>The lowest (1) non-final exam grade will be dropped.</li> </ul> <p>More grading particulars can be found in the classroom on the Canvas portal. When a program or exam 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.</p>			

<b><u>Tentative Schedule</u></b>	<p><b>COSC 1436 - Tentative Course Schedule</b></p> <ul style="list-style-type: none"> <li>Additional items and actual due dates are posted under Canvas</li> <li>Chapters listed below are from the Gaddis text</li> </ul> <table> <tr> <th>Week(Mon)</th><th>Topic</th></tr> <tr> <td>1- 1/16</td><td>Introduction/Orientation/Chapter 1</td></tr> <tr> <td>2- 1/23</td><td>Chapter 2</td></tr> <tr> <td>3- 1/30</td><td>Chapter 2</td></tr> <tr> <td>4- 2/6</td><td>Chapter 3</td></tr> <tr> <td>5- 2/13</td><td>Chapter 3</td></tr> <tr> <td>6- 2/20</td><td>Chapter 4, Exam 1</td></tr> <tr> <td>7- 2/27</td><td>Chapter 4</td></tr> <tr> <td>8- 3/6</td><td>Chapter 5</td></tr> </table>	Week(Mon)	Topic	1- 1/16	Introduction/Orientation/Chapter 1	2- 1/23	Chapter 2	3- 1/30	Chapter 2	4- 2/6	Chapter 3	5- 2/13	Chapter 3	6- 2/20	Chapter 4, Exam 1	7- 2/27	Chapter 4	8- 3/6	Chapter 5
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	<b>9- 3/13</b>	<b>Spring Break</b>
	<b>10-3/20</b>	<b>Chapter 5</b>
	<b>11-3/27</b>	<b>Chapter 6, Exam 2</b>
	<b>12-4/3</b>	<b>Chapter 6</b>
	<b>13-4/10</b>	<b>Chapter 7</b>
	<b>14-4/17</b>	<b>Chapter 7</b>
	<b>15-4/24</b>	<b>Chapter 10</b>
	<b>16-5/1</b>	<b>Chapter 11</b>
	<b>17-5/8</b>	<b>Final Exam Week- Exam 3</b>
<p>Note: All assignments will be due at 11:59pm local time on the given date of the assignment. All assignments are posted well in advance under the appropriate Canvas link. Students should allow ample time to complete the activity as the computer will close the activity at precisely 11:59pm, 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. <b>DO NOT WAIT UNTIL THE LAST MINUTE.</b></p>		

<b>Other Pertinent Information</b>	<ul style="list-style-type: none"> <li>For the Spring 2017 semester, the last day for a <u>student initiated</u> withdraw from a course with a “W” is April 6th.</li> <li>E-mail will be the primary means of communication in the course. Instructor e-mail address:  <a href="mailto:jchegwidden@nctc.edu">jchegwidden@nctc.edu</a></li> <li>All e-mail from the instructor will be sent to the students NCTC e-mail account. A student should have an additional e-mail account via some other means for course communication in case Canvas is down. The instructor is not responsible for any e-mail that has been missed due to a bad forwarding address.</li> <li>Any student problems with Canvas, or sending/receiving email it is the student’s responsibility to notify the instructor ASAP.</li> <li>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.</li> <li>It is important that you commit to checking your email daily so you don't miss important information. However, changes occasionally may need to be made and you will be made aware of them via e-mail (Canvas).</li> <li>Check Canvas often. 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.</li> <li>All course information (lessons, activities, etc.), grades, and feedback from the instructor will be through the Canvas portal.</li> <li>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.</li> <li>Proper notice will be given to any adjustments to the Syllabus.</li> </ul>
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<b>Disability Services (OSD)</b>	<p>The Office for Students with Disabilities (OSD) provides accommodations for students who have a documented disability. A disability is anything that can interfere with learning, such as a learning disability, psychological challenge, physical illness or injury. Accommodations may include extra time on tests, tests in a distraction reduced environment, volunteer note taker in class, etc.</p> <p>On the Corinth Campus, go to room 170 or call 940-498-6207. On the Gainesville Campus, go to room 110 in the Administration (100) Building or call 940-668-4209. Students on the Bowie, Graham, Flower Mound, and online campuses should call 940-668-4209 to arrange for an intake appointment with OSD.</p> <p>North Central Texas College is on record as being committed to both the spirit and letter of federal equal opportunity legislation, including the Americans with Disabilities Act (ADA) of 1990, ADA Amendments Act of 2009, and Section 504 of the Rehabilitation Act of 1973 (P.L. 93-112).  <a href="http://www.nctc.edu/StudentServices/SupportServices/Disabilityservices.aspx">http://www.nctc.edu/StudentServices/SupportServices/Disabilityservices.aspx</a></p>
<b>Support Services</b>	<p>Counseling and Testing staff offer a variety of services to current and prospective students, such as College 101, placement testing, academic advising and course registration, transfer assistance, and College Success seminars (Time Management, Study Skills, Test Anxiety, Choosing a Major, Learning Style Strategies, Career Exploration), and much more. <a href="http://www.nctc.edu/StudentServices/CounselingTesting.aspx">http://www.nctc.edu/StudentServices/CounselingTesting.aspx</a></p> <p>Student Success offers academic coaching, tutoring, including a Writing Center, a Math Lab, free 24/7 online tutoring through Grade Results and assist new students acclimate to college by providing computer lab services for prospective students. First generation students can also participate in TRIO which offers specialized support services.  <a href="http://www.nctc.edu/StudentServices/SupportServices.aspx">http://www.nctc.edu/StudentServices/SupportServices.aspx</a></p> <p>Financial Aid offers financial resources for students that qualify, visit the financial aid offices for more information. <a href="http://www.nctc.edu/FInancialAidHome.aspx">http://www.nctc.edu/FInancialAidHome.aspx</a></p>
<b>EEOC Statement</b>	<p>North Central Texas College does not discriminate on the basis of race, color, national origin, gender, religion, age, or disability in the employment or the provision of services.</p>

Revised: January 12, 2017