Course Details

Format
• 15 week course
• Not self-paced: Assignments have specific weekly deadlines
• Students login independently but will interact with classmates

Orientation
Before Class Begins
• New students must complete an online student orientation in Blackboard BEFORE the class begins.
• Students will be emailed a login link.
• Allow 2-3 hours to complete the orientation course.

Email
• Students should daily check their Concordia email for announcements and reminders.

Attendance
• Attendance is recorded when a discussion or assignment is posted.
• Login at least 5 times per week.

Payment
• Students will be emailed a bill after the course begins
• Payments are made online

Course Overview

There are three components to CSC 150: Theory, Practice and Application.

• Theory deals with computer concepts. For example, techniques of high-level to machine language translation will be studied with an emphasis on: what it is, how it works, and why it is used.
• Practice deals with computer system use, that is, hands-on exposure to a number of applications will be used in assignment sessions.
• Application deals with putting concepts to use in order to solve problems. For example, a typical problem will be presented and an acceptable solution will be generated for homework assignments.

Grading
° 3 unit tests 29%
° Homework 42%
° Term Project 10%
° Final Exam 19%

Course Details

Course Overview

There are three components to CSC 150: Theory, Practice and Application.

• Theory deals with computer concepts. For example, techniques of high-level to machine language translation will be studied with an emphasis on: what it is, how it works, and why it is used.
• Practice deals with computer system use, that is, hands-on exposure to a number of applications will be used in assignment sessions.
• Application deals with putting concepts to use in order to solve problems. For example, a typical problem will be presented and an acceptable solution will be generated for homework assignments.

Grading
° 3 unit tests 29%
° Homework 42%
° Term Project 10%
° Final Exam 19%

Success Advisor / Coach
jessica.valdes@cuw.edu
Jessica Valdes is the dual credit success advisor. She can help with:
• Enrollment questions
• If you are struggling in a class
• Questions you don’t want to ask your instructor

Drop Policy
• After a course begins, the student will pay for a course, even if dropped.
• The student pays based on the number of weeks completed.
  o Week 1-5: A percent refund
  o Week 6-10: 0% and ‘W’ grade
  o Week 11-16: 0% and ‘F’ grade
“W” Withdraw does not count in GPA
“F” Counts as a 0.0 in GPA

Technology
• Blackboard learn is Concordia’s web based learning system.
• Blackboard contains all course content, videos, links, and course calendar.
• It runs best in Firefox or Chrome.
• Assignments are posted using the Drop Box feature in Blackboard

Counts as...CSC 150 satisfies Concordia’s core requirement in mathematics. (Except IT majors)
<table>
<thead>
<tr>
<th>Week</th>
<th>Readings</th>
<th>Graded Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introductory Materials&lt;br&gt;The Syllabus&lt;br&gt;Chap 0: Introduction</td>
<td>Initial Quiz: Due Sunday&lt;br&gt;Assignment 1: Operating System Due Sun&lt;br&gt;Discussion: Post by Wed, Reply by Sunday</td>
</tr>
<tr>
<td><strong>Unit 1 Overview</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Chap 1 - Introduction to Computer Science&lt;br&gt;Chap 2 - A Computing Environment&lt;br&gt;Chap 3 - Introduction to Computer Systems&lt;br&gt;Optional: Plus IT Assignment 2A, 2B</td>
<td>Assignment 2: Ad Review Due Sun&lt;br&gt;Quiz: Due Sunday&lt;br&gt;Discussion: Post by Wed, Reply by Sunday</td>
</tr>
<tr>
<td>3</td>
<td>Chap 4 – Grand Ideas&lt;br&gt;Chap 6 – Origin of Comp. Science&lt;br&gt;Optional: Plus IT Assignment 3A, 3B</td>
<td>Assignment 3: Easter Algorithm Due Sun&lt;br&gt;Quiz: Due Sunday&lt;br&gt;Discussion: Post by Wed, Reply by Sunday</td>
</tr>
<tr>
<td>4</td>
<td>Chap 7 – Word Processing&lt;br&gt;Chap 8 – Information Processing 1&lt;br&gt;Chap 9 – Information Processing 2&lt;br&gt;Optional: Plus IT Assignment 4A, 4B</td>
<td>Assignment 4: Document Tables Due Sun&lt;br&gt;Quiz: Due Sunday&lt;br&gt;Discussion: Post by Wed, Reply by Sunday</td>
</tr>
<tr>
<td>5</td>
<td>Exam review reading</td>
<td>Exam #1: Due Sunday&lt;br&gt;Discussion: Post by Wed, Reply by Sun</td>
</tr>
<tr>
<td><strong>Unit 2 User’s View</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Chap 13 – Human Computer Interaction 3&lt;br&gt;Chap 14 – Application Packages 1&lt;br&gt;Chap 15 – Spreadsheets&lt;br&gt;Optional: Plus IT Assignment 7A, 7B</td>
<td>Assignment 7: Spreadsheet Due Sun&lt;br&gt;Quiz: Due Sunday&lt;br&gt;Discussion: Post by Wed, Reply by Sun</td>
</tr>
<tr>
<td>8</td>
<td>Chap 16 – Application Packages 2&lt;br&gt;Chap 17 – Computer System Errors&lt;br&gt;Chap 18 – Data Communications</td>
<td>Assignment 8: Website Creation Due Sun&lt;br&gt;Quiz: Due Sunday&lt;br&gt;Discussion: Post by Wed, Reply by Sun</td>
</tr>
<tr>
<td>9</td>
<td>Chap 19 – Data Communications 2&lt;br&gt;Complete note sheets for readings</td>
<td>Practice Exam: Due Sun&lt;br&gt;Exam #2: Due Sunday&lt;br&gt;Discussion: Post by Wed, Reply by Sun</td>
</tr>
<tr>
<td><strong>Unit 3 Functional View</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Chap 22 – Algorithms&lt;br&gt;Chap 23 – Processor Architecture 1&lt;br&gt;Chap 24 – Processor Architecture 2&lt;br&gt;Optional: Plus IT Assignment 10A, 10B</td>
<td>Discussion: Post by Wed, Reply by Sun</td>
</tr>
<tr>
<td>11</td>
<td>Chap 25 – Programming Process&lt;br&gt;Chap 26 – C++ Programming Lab&lt;br&gt;Chap 27 – Programming Languages</td>
<td>Assignment 11: C++ Coding Due Sun&lt;br&gt;Discussion: Post by Wed, Reply by Sun</td>
</tr>
<tr>
<td>12</td>
<td>Chap 28 – Systems Software 1&lt;br&gt;Chap 29 – Systems Software 2&lt;br&gt;Chap 30 – Storage Management Issues 1</td>
<td>Assignment 12: Spreadsheet Analytics Due Sun&lt;br&gt;Discussion: Post by Wed, Reply by Sun</td>
</tr>
<tr>
<td>13</td>
<td>Chap 31 – Storage Management Issues 2</td>
<td>Exam #3: Due Sunday&lt;br&gt;Discussion: Post by Wed, Reply by Sun</td>
</tr>
<tr>
<td><strong>Unit 4 Foundational View</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Chap 34 – Foundations of Computer Science&lt;br&gt;Chap 35 – Foundations Hardware&lt;br&gt;Chap 37 – Foundations Software</td>
<td>Term Project: Due Friday&lt;br&gt;Discussion: Post by Wed, Reply by Sun</td>
</tr>
<tr>
<td>15</td>
<td>Chap 39 – Foundations People&lt;br&gt;Chap 40 – Information, Intelligence, Meaning</td>
<td>Assignment 15: Open Office Spreadsheet Due Fri&lt;br&gt;Final Exam: Due Friday&lt;br&gt;Discussion: Post by Wed, Reply by Sun</td>
</tr>
</tbody>
</table>