

**College of Southern Nevada  
Course Syllabus**

**CIT130 – Sample Syllabus – Introduction to programming**

**The official syllabus with the official schedule of activities will be available in Canvas on the first day of class.**


**This syllabus should give you a good idea of the CIT course. It has textbook information and a tentative schedule of activities.**

<b>A. Course Information</b>	CIT130 - An introduction to the Java programming language. Covers the language's control structures, Object-Oriented Concepts, simple graphical displays, file input/output and error handling. Prerequisite: IS 115 or Instructor Approval.
<b>B. Course meeting time/days/location</b>	CIT130-1001 – Online, 24/7
<b>C. Instructor Information</b>	Name: Naser E. Heravi Phone: (702) 651-3148 Google Voice number (talk & text) 702-763-1940 Email: Canvas Learning system – Alternate: <a href="mailto:naser.heravi@csn.edu">naser.heravi@csn.edu</a> Web site: <a href="http://bellagio.csn.edu/~nheravi/courses/">http://bellagio.csn.edu/~nheravi/courses/</a> Office Mailbox code: HNC201
<b>D. Learning Outcomes</b>	Upon completion of this course the student will be able to: <ul style="list-style-type: none"> <li>• Solve problems using the fundamental syntax and semantics of the language.</li> <li>• Create object-oriented programs using classes and objects that include appropriate loops, decision structures, data structures, and modularization.</li> <li>• Use generally accepted principles of good programming style and documentation.</li> <li>• Create programs that include files for input and output.</li> <li>• Create programs that include error handling.</li> <li>• Create a graphical display using GUI components.</li> </ul>
<b>E. Textbook</b>	Introduction to Java Programming and Data Structures, Comprehensive Version – 11th edition – Y. Daniel Liang – Pearson - 9780134700144.  <b>NOTE: If you have the 9<sup>th</sup> or the 10<sup>th</sup> edition of the book, it will be OK to use it instead of buying the new edition. If you purchase the earlier edition, let me know, so I can provide additional notes when I assign exercises from the 11<sup>th</sup> edition of the textbook.</b> Note that we also use the same book for CIT230 – Advanced Java Programming. The choice is yours if you want to purchase the 9 <sup>th</sup> , the 10 <sup>th</sup> or even the 11 <sup>th</sup> edition. Look at <a href="http://goo.gl/RITXgw">http://goo.gl/RITXgw</a> for video notes and additional free resources available with your textbook. The first page of your

	<p>textbook includes detailed instructions on accessing these resources.          NOTE: This book may be accompanied with an access code to MyProgramminglab. This is a great resource for additional useful material. <b>I WILL NOT</b> require the use of this resource for this class.</p>																														
<b>F. Late Work policy</b>	<p>I do not accept late assignments, nor do I provide makeup assignments. You are responsible for your own Internet connection when working remotely. Work ahead if you know you are going to have conflicts or time constraints. Please schedule yourself accordingly. There are <b>NO MAKEUP</b> exams or quizzes.</p>																														
<b>G. Method of Evaluation</b>	<p>Grades are based on exams and projects assigned throughout the semester. All assignments will be submitted via the Canvas assignment dropbox. Detailed instructions will be provided in the text of the requirements for each of the assignments. If the Canvas email system fails and you must use a different system to submit your assignments, send your assignments files to my alternate email address. All exams are delivered through the Canvas system. All exams will have strict time limits and detailed information will be provided at least a week before the date of the exam.</p>																														
<b>H. Grade determination</b>	<p>Your grade is based 2 exams, in-class labs, and programming assignments.          Midterm Exam - 20%          Final Exam - 20%          In-class labs – 10%          Assignments - 50%</p> <p>All exams may include True/False, Multiple-choice, short answers, and essay type questions. Full details will be provided a week before the start of an exam. The following is how letter grades are assigned based on total percentages of assignments and exams.</p> <table border="1" data-bbox="586 1243 1260 1659"> <tr> <td><b>100 - 94</b></td> <td>A</td> <td></td> <td><b>70 - &lt; 77</b></td> <td>C</td> </tr> <tr> <td><b>90 - &lt; 94</b></td> <td>A-</td> <td></td> <td><b>60 - &lt; 70</b></td> <td>D</td> </tr> <tr> <td><b>87 - &lt; 90</b></td> <td>B+</td> <td></td> <td><b>&lt; 60</b></td> <td>F</td> </tr> <tr> <td><b>84 - &lt; 87</b></td> <td>B</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>80 - &lt; 84</b></td> <td>B-</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>77 - &lt; 80</b></td> <td>C+</td> <td></td> <td></td> <td></td> </tr> </table>	<b>100 - 94</b>	A		<b>70 - &lt; 77</b>	C	<b>90 - &lt; 94</b>	A-		<b>60 - &lt; 70</b>	D	<b>87 - &lt; 90</b>	B+		<b>&lt; 60</b>	F	<b>84 - &lt; 87</b>	B				<b>80 - &lt; 84</b>	B-				<b>77 - &lt; 80</b>	C+			
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<b>I. Attendance Policy</b>	<p>College assumes maturity, seriousness of purpose, and self-discipline for meeting the responsibilities associated with each course. If you will need the instructor to sign documents testifying about your attendance, <b><u>YOU</u></b> must come to the instructor after each class you attend to let her know you were there. Class participation is a strong aspect of this course and your participation is always encouraged.</p>																														

<p><b>J. Academic Integrity</b></p>	<p>CSN demands a high level of academic behavior. Acts of academic dishonesty including plagiarism and cheating are regarded as very serious offenses.</p> <p><b>Cheating will not be tolerated. If any duplicated work is submitted, all parties will receive 0 points for the assignment. On a second offense, the student will receive a grade of F for the course and may be subject to expulsion from school. You SHOULD NOT attempt to pay anyone to complete your work. You SHOULD NOT consult any web sites that provide answers to assignments. This is a serious offense leading to immediate expulsion from the course and possibly from the college.</b></p> <p>Scholastic dishonesty will not be tolerated. You are expected to have read and understood the CSN Academic Integrity Policy may be found at: <a href="http://archive.csn.edu/sites/default/files/u12821/academic-integrity-policy.pdf">http://archive.csn.edu/sites/default/files/u12821/academic-integrity-policy.pdf</a></p>
<p><b>K. Disability Resource Center</b></p>	<p>If you have a documented disability that may require assistance, you will need to contact the Disability Resource Center (DRC) for coordination of your academic accommodations. The DRC is located in Student Services on each major campus. More information about the CSN DRC please visit: <a href="https://www.csn.edu/drc">https://www.csn.edu/drc</a></p> <p>For more CSN Americans with Disabilities Act (ADA) information please visit: <a href="https://www.csn.edu/ada">https://www.csn.edu/ada</a></p>
<p><b>L. Disclaimer</b></p>	<p>This syllabus is subject to change with advance notice. Notices will be posted in the online forum. It is your responsibility to stay informed.</p>
<p><b>M. Tentative schedule</b></p>	<p>Please look at the end of this document for the tentative course schedule of activities.</p>
<p><b>N. Student Rights &amp; Responsibilities</b></p>	<p>It is your responsibility to be aware of your rights and responsibilities. This information is located in the General Catalog and Student Handbook, which can be found on the CSN Catalog/Schedule/Calendar web page: <a href="https://www.csn.edu/sites/default/files/u2241/studentrightsrespsection.pdf">https://www.csn.edu/sites/default/files/u2241/studentrightsrespsection.pdf</a></p>
<p><b>O. College Library Services</b></p>	<p>The Library offers a wealth of resources to help you with your research projects. There are libraries at each of the main campuses and an extensive collection of resources available from the Library's Homepage: <a href="http://library.csn.edu">library.csn.edu</a></p> <p>A note from your library: The library holds many workshops such as "College Library Services offers ongoing research workshops throughout the semester. Bring your topic or assignment to one of The workshops on the basics of locating and citing quality information and receive in depth assistance with a librarian. Check out the schedule at <a href="http://csn.libcal.com/calendar/events/">http://csn.libcal.com/calendar/events/</a> or call 651-5729 for more information."</p>
<p><b>P. References</b></p>	<p>Safari Tech Books available through the library offer an excellent source of supplemental resources that you may use for this course.</p>

	To find Safari Books Online, go to the library's web site at: <a href="http://library.csn.edu">library.csn.edu</a> Click the Browse Databases button. In the A-Z Databases page that appears, click S to filter. The link to <b>Safari Books Online</b> should be at or near the top of the list.
<b>Q. Required extra- or co-curricular activities</b>	All activities are based on projects and exams assigned throughout the course. Any required extra activities will be clearly explained in class.
<b>R. Safety</b>	This class does not have an experiment lab and therefore we will not be concerned about following specific safety strategies.
<b>S. Additional fees</b>	There are no additional fees for this course.
<b>T. Additional Information</b>	
<b>CSN Student email</b>	All students enrolled at CSN have a CSN Student Email account. Beginning February 1, 2020, all information from the college will be sent to your CSN-issued student email address (enrollment information, financial aid information, cashier information, college events, etc.). <b>It is extremely important that you check your student email daily.</b> You can access your student email through GoCSN ( <a href="http://go.csn.edu">go.csn.edu</a> ). Once you validate your student email address you will have access to Microsoft Office 365 for up to five devices and 1TB of OneDrive storage. <a href="http://www.csn.edu/email">www.csn.edu/email</a>
<b>Important Note</b>	If you have any concerns about this course and/or me, please contact me first. If I cannot resolve your issue, please contact Arlene Menezes in the CIT Department Office at 702-651-5976. You will be directed to the appropriate Program Director or the Department Chair. You will remain anonymous, if possible, and all communications will be strictly confidential. Please <b>DO NOT</b> wait until the last minute to make your concerns known to me and/or to the CIT Department.
<b>Software requirements</b>	The Canvas Learning Management system can be run on most popular web browsers such as Internet Explorer, FireFox, Safari, etc. Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser. Please note that the JDK has been installed and configured on many of the computers in all computer labs. Ask the lab assistants for location of computers with JDK installed. For using the JDK from home, office, etc. follow the instructions in the file <b>Download_Install_ConfigureJava.pdf</b> available from "Lectures and Files" link (available on the first day of course in the Canvas learning system). <b>Note:</b> Configuring the JDK installation and configuring the disk access path is straight forward for some, and it can be challenging for others. Instructions on how to do this will be provided in class and can also be found at the following link: <a href="http://www.oracle.com/technetwork/java/javase/index-137561.html">http://www.oracle.com/technetwork/java/javase/index-137561.html</a> <b>Try my installation notes first.</b> I have provided step by step instructions for the Windows environment. You may also use any other software that allows you to compile and run Java programs such as <b>DrJava (highly recommended)</b> , JGrasp, BlueJ, Visual Café, Borland JBuilder, etc. The

	TextPad software is available free from <a href="http://www.textpad.com">www.textpad.com</a> . DrJava is available for free at <a href="http://drjava.org/download.shtml">http://drjava.org/download.shtml</a>
	<p><b>Printing @ CSN:</b> Printing in CSN classrooms, computer labs and libraries falls under the new Print Wise initiative, designed to help save natural and fiscal resources. Print Wise provides each CSN student with a \$10 credit toward printing at the start of each semester, which will provide for up to 200 black and white copies at 5¢ a page, or 40 color copies at 25¢ a page. After that, you may put money into your account online or at the CSN Cashier’s Office to purchase additional prints at the same rate. It is <b>your responsibility</b> to maintain your printing accounts to cover printing expenses during each semester.</p>
<p><b>Advising &amp; Coaching Services:</b></p>	<p>Advisor/Success Coaches help students assess academic strengths and limitations, learn academic success strategies, explore careers, declare a major, navigate the educational system, access campus and community resources, and connect to campus life. The department also manages the CSN Faculty E-Alert System assisting instructional staff by working with students on strategies and interventions that lead to successful course completion.</p> <p>Charleston Campus      Bldg. D – Student Services Area      651-7367  North Las Vegas Campus      1100 Student Services Area      651-2626  Henderson Campus      Bldg. B – Room 120      651-3103</p>
<p><b>Counseling</b></p>	<p>Academic Counseling: If you are a new student or have not declared your major, you will meet with a CSN success coach for all your advising needs, including course planning and career exploration services. Success coaches are located in student services areas and their contact information is available at <a href="https://www.csn.edu/advising">https://www.csn.edu/advising</a></p> <p>Students with DECLARED majors go to <a href="https://www.csn.edu/academic-counseling">https://www.csn.edu/academic-counseling</a> for instructions for scheduling an appointment with an academic counselor.</p>
<p><b>Additional Notes</b></p>	<p><b>My responsibilities:</b></p> <ol style="list-style-type: none"> <li>1. I will reply to your e-mail messages within one day. Replying to phone calls may take at most two days.</li> <li>2. I will make sure to accommodate all your learning needs and will answer your questions in a timely manner.</li> <li>3. I will try my best to resolve any issues.</li> <li>4. I will return feedback and your grade on assignments within one week of the due date.</li> </ol> <p><b>Your responsibilities:</b></p> <ol style="list-style-type: none"> <li>1. Stay active in classroom discussions and activities. Let me know if you find any discrepancies in the syllabus, course material, or activity due dates, as soon as possible.</li> <li>2. Watch the deadlines for exams and ask questions.</li> <li>3. Do the best you can in the class and don’t hesitate to ask for help.</li> <li>4. You will review my feedback on your assignments and will let me know of any questions or concerns as soon as possible.</li> </ol>

<p><b>Withdrawal Policy - IMPORTANT DATES</b></p>	<p><b>IMPORTANT – I will NOT grant a W (withdrawal) once the official college deadline has passed. Please DO NOT ASK! Look at the section “Withdrawal Policy – IMPORTANT DATES for more information.</b></p>
<p><b>CLASS POLICIES</b></p>	<p>All exams will be administered through the Canvas system.  Online sections () - <b>You will have to take your exams at a physical campus location (West Charleston, Henderson, North Las Vegas campus sites).</b>  In-class section () – <b>You will take your exam in class during the regular class hours.</b>  All course material is available online in Canvas. While the design of this course allows flexibility in your scheduling, please realize that the deadlines are just as strict as any other course. You should check the calendar and discussion postings daily and allocate your time accordingly to complete the readings and to be prepared for the exams. Due dates will be strictly adhered to. You will use the mail and discussion features of Canvas to contact me or ask questions.</p> <p><b>A note on the online environment:</b> To stay on task, I release chapter material and assignments on a timely basis. Exams can only be taken during the scheduled period. If you like to get material earlier than the rest of the class, send me an e-mail message and I will give you access to the material. The links to assignments and exams will disappear after their respective due dates. Some students have complained that some links disappear from time to time. This is most likely due to system issues or incommutability with your web browser. Please send an e-mail message informing me about any links that have disappeared from your view.  Online sections offer flexibility where you need to manage your time to achieve success. I will assign programming projects that will be graded and you will have to take exams by specified due dates. <b>It is extremely simple to ignore due dates and fall behind which I hope we can seriously avoid!</b></p> <p>This is a single person class; meaning that you must turn in your own work. You are not allowed to collaborate or consult with anyone else while working on an exam. You are not allowed to collaborate on completing assignments. You should not be looking at each other’s code for assignments. You can freely discuss items in the general sense. Cheating in any form will not be tolerated.</p> <p>Finally, Internet access is your responsibility. This class can be accessed from any computer with Internet access anywhere in the world. Therefore, excuses such as “My computer is not working” or “My provider was down” are not acceptable. If you find yourself in a real jam, you may drive to any CSN site and use one of the computers in the CSN open computer labs. Of course, if there is a computer problem originating from CSN, then I will take corrective action. But in all other instances, it</p>

	is your responsibility to ensure your own Internet access.
<b>Software Lab</b>	The <b>software lab</b> may be available. See announcements in Canvas on the first day of class.
<b>Centers for Academic Success (CAS)</b>	Centers for Academic Success (CAS) provides quality DROP-IN academic assistance to all students enrolled in for-credit courses at CSN. Tutors are available for most general education courses and historically challenging courses. Academic learning support includes assistance with learning strategies, Canvas, Smarthinking online tutoring, Microsoft Office, reading, writing, oral presentations, math, and science. CAS tutors also provide support to study groups and assistance for placement test preparation in reading, writing, and math. CAS is open Monday through Sunday to be more accessible to all students. Hours for all locations are: Monday – Thursday 9:00 am to 6:00 pm and Friday – Sunday 11:00 am to 4:00 pm. You may visit <a href="http://www.csn.edu/centers-academic-success">www.csn.edu/centers-academic-success</a> for more details on locations and hours. You may also contact us at one of our offices: Charleston Centers (7020-651-5732), North Las Vegas Learning Commons (702-651-4232), Henderson Learning Commons (702-651-3125).
<b>EXCESS CREDIT FEE INFORMATION</b>	Please visit <a href="https://www.csn.edu/excess-credit-information">https://www.csn.edu/excess-credit-information</a> for information about the excess credit fee applied in certain circumstances.
<b>TITLE IX Resources</b>	More information is available at <a href="https://www.csn.edu/institutional-equity">https://www.csn.edu/institutional-equity</a>
<b>U. Objectionable materials</b>	This class will use a discussion forum. Please refrain from posting any objectionable or private information in these forums. If such information is posted, I will try to immediately delete your post. Failure to comply with this policy may also lead to dismissal from the class and referral to college administration for further actions.

**We will have assignments due on a regular basis. The due date for each assignment will be announced in Canvas and all assignments are delivered and submitted through Canvas. You must be diligent in checking due dates for assignments.**

**Additional NOTES:**

Exams can only be taken online during the specified dates.

Midterm Exam - 20%

Final Exam - 20%

In-class labs – 10%

Assignments - 50%

Here is a formula for how your final grade is calculated:

(The average of homework assignments \* .5 + The average of lab assignments \* .1 + Midterm exam \* 0.2 + Final Exam \* .20)

So, if Joe’s average on homework assignments is 80, his lab work grade average is 75, he earns 75 points on the

midterm exam, and 80 points on his final exam, what is his total score? What is his overall course grade?

Answer:  $(80 * .5 + 75 * .1 + 75 * .2 + 80 * .2) = 78.5$

Letter grade: C+

The CANVAS system's grade book will allow you to track your grade for each item.

**A note on skipped sections: It's perfectly fine if you like to review the skipped sections. You just won't be responsible for these topics in your assignments and exams.**

**The due dates for assignments and exams will be available in Canvas. Announcements will be made at least a week before the start date of exams and at least a week before the due date of assignments. The following information on due dates is subject to change. The official due dates will be available in Canvas.**

**A tentative schedule of activities -- The following outlines the list of topics we cover in this course. Exam dates will be available in Canvas on the first day of class.**

Topics
Syllabus and Introduction
Downloading and installing Java
Getting to know the online environment
Chapter 1 - Introduction to Computers, programs and Java
Chapter 2 – Elementary Programming
Chapter 3 - Selections
Chapter 3 - Selections Chapter 4 – Mathematical Functions, Characters, and Strings
Chapter 5 – Loops
<b>Skipped topics – Section 5.9 – break and continue statements - NOTE: These statements should not be used in your programs.</b>
Chapter 6 – Methods
Chapter 7 – Single dimensional arrays
Chapter 7 – Single dimensional arrays
<b>Skipped topics – chapter 8 on Multidimensional arrays</b>
Chapter 9 – Objects and classes
Chapter 9 – Objects and classes
Chapter 10 – Thinking in Objects
Chapter 10 – Thinking in Objects
<b>Skipped topics – Section 10.9 – The BigInteger and BigDecimal Classes</b>
<b>10.11 – The stringBuilder and StringBufferClasses</b>
Chapter 11 – Inheritance and Polymorphism
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<b>Skipped topics – Sections 11.8 – Dynamic Binding</b>
<b>11.9 – Casting Objects and instancesof Operator</b>
Chapter 12 – Exception handling and Text I/O



Chapter 12 – Exception handling and Text I/O  
**Skipped topics – sections 12.7 – Rethrowing Exceptions**  
**12.8 – Chained Exceptions**  
**12.9 – Defining Custom Exception Classes**  
**12.12 – Reading Data from the Web**  
**SKIP – Chapter 13 (Abstract classes and Interfaces)**

Chapter 14 – JavaFX Basics (selected sections)  
**Skipped topics – Sections 14.5 – Property Binding**  
**14.6 – Common Properties and Method for Nodes**  
**14.11 - Shapes**

REVIEW of main topics