**College of Southern Nevada**  
**Course Syllabus**  
**CIT130-1001(82848) – Beginning Java**  
**Fall 2014 – 8/25 – 12/7 - Final exam period: 12/8 – 12/14**  
**DRAFT – Official syllabus will be available in Canvas on the first day of class**

<table>
<thead>
<tr>
<th><strong>Instructor:</strong></th>
<th>Efatsadat (Eve) Taghva</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Contact phone:</strong></td>
<td>(702) 651-4403</td>
</tr>
</tbody>
</table>
| **Contact E-mail:** | Canvas Learning system – Alternate: efat.taghva@csn.edu  
Google Voice Number – Talk and text 505-652-2628 |
| **Website:** | [http://sites.csn.edu/etaghva](http://sites.csn.edu/etaghva/) |
| **Office Location:** | Cheyenne campus, Telecom Building, Room 2729 |
| **Office Hours:** | Mondays  
11:30 am – 2:00 pm & 3:30 pm – 6:00 pm |
| **Course meeting time/days:** | Online – 24/7 |
| **Course meeting location:** | Online – 24/7 |
| **Important Notice:** | 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>| <strong>Important Note:</strong> | If you have any concerns about this course and/or me, please contact me first. If I cannot resolve your issue, please contact the CIT department office at 651-4660 and speak to the department chairperson. You will remain anonymous and all communications will be strictly confidential. Please DO NOT wait until the last minute to make your concerns known to me and/or to the department chairperson. |
| <strong>Printing @ CSN:</strong> | 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 your responsibility to maintain your printing accounts to cover printing expenses during each semester. More information about the Print Wise system may be found at <a href="http://www.csn.edu/printwise">www.csn.edu/printwise</a>. |
| <strong>Course:</strong> | An introduction to the Java programming language. Use of Java |</p>
<table>
<thead>
<tr>
<th>Description:</th>
<th>programming language for problem formulation and solution. Java language’s control structures, applets, graphics, inheritances, Swing components, File I/O. Object Oriented concepts and related material. New topics may replace some old ones to keep this course current. Prerequisites: IS 115 and/or ability to program in a high level language.</th>
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| Learning Outcomes: | Upon completion of this course the student will be able to:  
- List the steps needed to write, compile, and run a Java program including a description of how the Java Virtual Machine is used in the process. Define and explain the difference between logical and syntactical errors. Design and code a program that processes user input and produces output.  
- Develop algorithms in terms of pseudo codes and flow charts and translate a pseudocode block into syntactically correct Java code.  
- Explain the differences between classes, instances, fields, and methods. Analyze a problem statement to determine a class that could be used to solve the problem that lists the class's responsibilities of attributes and methods. Be able to describe objects using Uniform Modeling Language diagrams and be able to translate a UML class diagram into syntactically correct Java code.  
- Design and code a program that uses basic arithmetic operations (assignment, addition, subtraction, multiplication, division, modulus and incrementation/decrementation). This program will include the use of literals, primitive variable types, constants, and Strings.  
- Design and code a program that uses comparison and logical operators to perform decision making and iteration.  
- Design and code a program that uses the array data structure, implement methods to perform search and sorting algorithms on an array, and use multi-dimensional arrays.  
- Design and code a program using static class members, overloaded methods and constructors, write programs that implement the toString method, the equals method, and the copy method. Design and code a program that contains an inner class. Utilize the Java API to identify and use predefined Java classes such as Math, String, StringBuffer, DecimalFormat, String tokenization and the Wrapper classes to design and code programs.  
- Design and code a program that illustrates GUI applications, including the use of dialog boxes, windows, layout managers,
buttons, boxes, and borders. Describe the differences between the Swing and AWT packages, and use each in a program. Design and code a program that illustrates the use of event handlers, timer objects, and plays audio.

- Explain the difference between an Application and an Applet.
- Design and write a simple HTML document that invokes an Applet.
- Design and code a program that implements an applet.

| Text: Introduction to Java Programming – Comprehensive version – 10th edition – Y. Daniel Liang – Pearson - 978-0-13-376131-3. **NOTE:** if you have the 9th 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 10th edition of the textbook. The choice is yours if you want to purchase the 9th or the 10th edition. [http://www.cs.armstrong.edu/liang/](http://www.cs.armstrong.edu/liang/)  
**NOTE:** This book is accompanied with an access code to MyProgramminglab that we will use for this course. If you buy a used book, make sure you are also given the access code. Some used books may not have the access code. I’ll provide information on the first day of class on registering your code.  
**Reference books:** Murach’s beginning Java-2 by Andrea Steelman/1-890774-12-X  
Java: How to Program, by Deitel & Deitel, Prentice hall  
**Reference books ARE NOT required.** You should be just fine with the assigned textbook. But if you need more, use this book and additional references.

| Late Assignment Policy | I may extend the due dates from time to time without a late penalty, if needed. However, I may impose a 10%-30% late penalty on late assignments that I choose to accept. **PLEASE do not assume that you can turn in an assignment passed the due date and take a late penalty. I will not accept any late work once answers have been posted.**

| Make-up Policy | There are NO MAKEUP exams or assignments. All exams and assignments will have strict due dates.

| Attendance Policy | 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, **YOU** 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.

**Advising & Coaching Services:**

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.

<table>
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<tr>
<th>Campus</th>
<th>Location</th>
<th>Contact</th>
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<tbody>
<tr>
<td>Charleston Campus</td>
<td>Bldg. D – Student Services Area</td>
<td>651-7367</td>
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<tr>
<td>Cheyenne Campus</td>
<td>1100 Student Services Area</td>
<td>651-2626</td>
</tr>
<tr>
<td>Henderson Campus</td>
<td>Bldg. B – Room 120</td>
<td>651-3103</td>
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**Counseling**

If you are a new student or have no declared 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 [www.csn.edu/success](http://www.csn.edu/success).

Students with declared majors in CIT, your dedicated counselors are:

Mark Haag — Office: Cheyenne 2716.
Rosemary Hall — Office: West Charleston C151-C.

To schedule a counseling appointment, go to [https://csn.mywconline.net/](https://csn.mywconline.net/)

**Academic Integrity:**

Scholastic dishonesty will not be tolerated. You are expected to have read and understood the CSN Academic Integrity Policy may be found at: [http://www.csn.edu/pages/3342.asp](http://www.csn.edu/pages/3342.asp) "CSN demands a high level of academic behavior. Acts of academic dishonesty including plagiarism and cheating are regarded as very serious offenses." If academic dishonesty is discovered in this class, the student will receive a grade of "F" for the class.

**Disability Resource Center:**

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: [http://www.csn.edu/pages/544.asp](http://www.csn.edu/pages/544.asp)

For more CSN Americans with Disabilities Act (ADA) information
Student Rights & Responsibilities

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: http://www.csn.edu/pages/660.asp

Method of Evaluation

Your grade is based on 2 term exams, a comprehensive final exam, and homework assignments. **ONLY a randomly selected set of assignments may be graded. You must submit your work by the due date as though it will be graded. I DO NOT accept late work.** Exam 1 is 10% of your grade, exam 2 is 10% of your grade, the final exam is 15% of your grade, and assignments are 65% of your grade. Exams will be taken online and the date will be announced in advance. Homework assignments also have strict due dates. All exams may include True/False, Multiple-choice, short answers, and essay type questions. The following is how letter grades are assigned based on total percentages of assignments and exams.

<table>
<thead>
<tr>
<th>Grades</th>
<th>100 - 94</th>
<th>A</th>
<th>74 - &lt; 77</th>
<th>C</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>90 - &lt; 94</td>
<td>A-</td>
<td>70 - &lt; 74</td>
<td>C-</td>
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<tr>
<td></td>
<td>87 - &lt; 90</td>
<td>B+</td>
<td>67 - &lt; 70</td>
<td>D+</td>
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<tr>
<td></td>
<td>84 - &lt; 87</td>
<td>B</td>
<td>64 - &lt; 67</td>
<td>D</td>
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<tr>
<td></td>
<td>80 - &lt; 84</td>
<td>B-</td>
<td>60 - &lt; 64</td>
<td>D-</td>
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<td></td>
<td>77 - &lt; 80</td>
<td>C+</td>
<td>&lt; 60</td>
<td>F</td>
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Semester Schedule

Please look at the schedule in another document posted in Canvas

References

College Library Services: 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: http://sites.csn.edu/library/ “Safari Tech Books” (find link in “Favorite Resources” box on the Homepage) is of special interest to students in CIT courses.

Software requirements

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. For more information, see http://guides.instructure.com/s/2204/m/4214/l/41056-which-browsers-does-canvas-support

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 on the file `Download_INSTALL ConfigureJava.pdf` available from “Lectures and Files” link (available on the first day of course in the Canvas learning system).

**Note:** Configuring the JDK installation and configuring the disk access path is straightforward for experienced programmers, but it can be challenging for beginners. Instructions on how to do this will be provided in class and can also be found at the following link: [http://www.oracle.com/technetwork/java/javase/index-137561.html](http://www.oracle.com/technetwork/java/javase/index-137561.html) **Try my installation notes first.** 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 **DrJava (highly recommended)**, JGrasp, BlueJ, Visual Café, Borland JBuilder, etc. The TextPad software is available free from [www.textpad.com](http://www.textpad.com).

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<th>Additional Notes</th>
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<tr>
<td><strong>My responsibilities:</strong></td>
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<tr>
<td>1. I will reply to your e-mail messages within one day. Replying to phone calls may take at most two days.</td>
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<tr>
<td>2. I will make sure to accommodate all your learning needs and will answer your questions in a timely manner.</td>
</tr>
<tr>
<td>3. I will try my best to resolve any issues.</td>
</tr>
<tr>
<td>4. I will return feedback and your grade on assignments within one week of the due date.</td>
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| **Your responsibilities:** |
| 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. |
| 2. Watch the deadlines for exams and ask questions. |
| 3. Do the best you can in the class and don’t hesitate to ask for help. |
| 4. You will review my feedback on your assignments and will let me know of any questions or concerns as soon as possible. |

You are always welcome to come to my office during the posted office hours or make an appointment to see me outside of the office hours.

<table>
<thead>
<tr>
<th>Withdrawal Policy – IMPORTANT DATES</th>
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<tr>
<td>For official withdrawal dates and other IMPORTANT college dates, look at the online schedule at: <a href="http://www.csn.edu/pages/4767.asp">http://www.csn.edu/pages/4767.asp</a></td>
</tr>
</tbody>
</table>
You are strongly encouraged to discuss your decisions with an academic counselor, academic adviser or success coach AND Student Financial Services, because these decisions may affect your financial aid and Satisfactory Academic Progress. Any such students receiving financial aid may find their awards reduced.

**IMPORTANT – I will NOT grant a W (withdrawal) after the official college deadline. Please DO NOT ASK! Look at the link given above for important information.**

**November 3 - Last Date to Officially Drop the Fall 2014 full-term session.**

**November 3 - Last Day to Officially Change from Credit to Audit.**

### Class Policies

**This class will be held solely over the Internet.** You will use the mail and discussion features of Canvas to contact me or ask questions. 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 on a daily basis and allocate your time accordingly to complete the readings and to be prepared for the exams. Due dates will be strictly adhered to.

This is a single person class; meaning that just as in a normal classroom, you must turn in your own work. You are not allowed to collaborate or consult with anyone else while working on an exam. **FAILURE TO ADHERE TO THIS POLICY WILL RESULT IN A ZERO FOR THE EXAM AND MAY LEAD TO REMOVAL FROM THE COURSE.**

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 is your responsibility to ensure your own Internet access.

### Software Lab

The CIT department offers a software lab that you may attend to ask questions. An appointment is not required. Just drop in and ask questions.

The lab will offer students the ability to meet with someone individually for assistance with their homework, whether it be formatting documents in IS 101, developing flowcharts in IS 115, or developing applications in one of the many programming languages we offer. The tutors should be able to answer a diverse set of questions and if they cannot answer your questions, they
Official schedule is available on the first day of class.

We will have assignments due on a weekly basis. The due date for each assignment will be announced in Canvas and all assignments are delivered and submitted through Canvas. All homework assignments are assigned on any given Monday at 12:00 am and are due on any given Monday at 11:55 pm. The last homework assignment may have a non-Monday due date.

Additional NOTES:
Exams can only be taken online during the specified dates.

There are several homework assignments.
Exam 1 is worth 100 points.
Exam 2 is worth 100 points.
There is a final exam worth 100 points.

Here is a formula for how your final grade is calculated:
(The average of homework assignments * .65 + exam1 * 0.1 + exam2 * 0.1 + Final * .15)

So, if Joe’s average on homework assignments is 80 and he earns 75 points on exam1, 80 points on exam 2, and 80 points on his final exam, what is his total score? What is his overall course grade?

Answer: (80 * .65 + 75*.1 + 80*.1 + 80*.15) = 79.5
Letter grade: C+

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

A NOTE on turning in material through the CANVAS system:
E-mail:
In case you need any help with your assignments, feel free to send me your source code file via e-mail. I will provide any feedback and send you any updates via e-mail.

Assignments:

If you are required to turn in multiple files for your assignments, I will ask you to use a compression utility to compress your files into a .ZIP or .RAR file. Let me know if you do not have access to a compression program. There are a few programs available for free through the Internet that allows you to compress your files. For a free file compression program, try: http://www.7-zip.org/ This is a requirement, so let me know if you are unable to compress your assignment files. Make sure to follow the file naming conventions provided in the text of each assignment.

How to submit your assignment through the Canvas system
Note: When naming an assignment file, you must use the file naming convention provided by your instructor. Canvas does not recognize file names with spaces, or characters that are not numbers or letters.

For more information, see my note posted in Canvas.