College of Southern Nevada
Course Syllabus
IS115 – 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.

A. Course Information	IS115 - This course introduces the student to problem-solving and algorithm development using a modern programming language. Students should have basic computer skills. Prerequisite: MATH 95 or ET 111B or a satisfactory ACT/SAT/Placement Test score that places the student in MATH 96 or above. **Special Note: We will use the Python programming language for demonstration of a high level programming language.**
B. Course meeting time/days/ location	1001 – Online
C. Instructor Information	Name: Naser E. Heravi Phone: (702) 651-3148 Google Voice number (talk & text) 702-763-1940 Email: Canvas Learning system – Alternate: naser.heravi@csn.edu Web site: http://bellagio.csn.edu/~nheravi/courses/ Office Mailbox code: HNC201
D. Learning Outcomes	By the end of this course, a student will be able to: 1. Describe the steps required to perform calculations and to complete tasks. 2. Translate algorithms into computer programs. 3. Create programs that process user input and produce output. 4. Code programs that use appropriate loops and decision structures. 5. Create programs that read and write files. 6. Code programs that use array processing. 7. Use generally accepted principles of good programming style and documentation.

E. Textbook	**Textbook:** Prelude to Programming – concepts and design, 6th edition. Venit&Drake, Pearson – ISBN: 9780133741636. **NOTE: The textbook may be accompanied by a "bind-in access code". This resource is OPTIONAL and you are not required to use it. It provides additional resources available for the author of the textbook that may be beneficial.** **Textbook resources:** Visit http://goo.gl/OCLPR8 And click on the Resources tab and look for Student Resources **NOTE: if you have the 5th 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 6th edition of the textbook. I have a copy of this book on reserve at the West Charleston library for use in the library.** **Strongly recommended - Reference book:** Starting out with Python – Tony Gaddis – Fourth Edition - Pearson – ISBN: 9780134444321 The third edition of this book is also OK. **I have a copy of this book on reserve at the North Las Vegas library for use in the library.** I will provide additional information on using Python via the Canvas system. " Safari Tech Books" offer many other books on Python (see my note later in this document on using the free library resources)
F. Late Work policy	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 NO MAKEUP exams or quizzes.
G. Method of Evaluation	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.
H. Grade determination	Your grade is based 2 exams, chapter quizzes, and homework assignments. Midterm Exam - 20% Final Exam - 20% Chapter quizzes - 10% Assignments - 50% 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. **100 - 94** A **70 - < 77** C **90 - < 94** A- **60 - < 70** D **87 - < 90** B+ **< 60** F **84 - < 87** B **80 - < 84** B- **77 - < 80** C+
I. 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.
J. Academic Integrity	CSN demands a high level of academic behavior. Acts of academic dishonesty including plagiarism and cheating are regarded as very serious offenses. **Cheating will not be tolerated. DO NOT collaborate with anyone on individual assignments. 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 code. This is a serious offense leading to immediate expulsion from the course and possibly from the college.** Scholastic dishonesty will not be tolerated. You are expected to have read and understood the CSN Academic Integrity Policy may be found at:

	http://archive.csn.edu/sites/default/files/u12821/academic-integrity-policy.pdf
K. 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: https://www.csn.edu/drc For more CSN Americans with Disabilities Act (ADA) information please visit: https://www.csn.edu/ada
L. Disclaimer	This syllabus is subject to change with advance notice. Notices will be posted in the online forum. It is your responsibility to stay informed.
M. Tentative schedule	Please look at the end of this document for the tentative course schedule of activities.
N. 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: https://www.csn.edu/sites/default/files/u2241/studentrightsrespsection.pdf
O. 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: library.csn.edu 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 http://csn.libcal.com/calendar/events/ or call 651-5729 for more information."
P. References	**CSN Library Services** offers extensive in-person and online resources to help you complete assignments, including research and citation workshops, online articles and books, and drop-in research assistance at the Reference Desk inside each campus library and online at library.csn.edu "Safari Books Online" is of special interest to students in CIT courses. To access this digital library of technical books and videos, click on the Browse Databases button on the Library's homepage, then click on the letter S to filter the databases. The link to "Safari Books Online" should be at or near the top of the resulting list. Initially, you will have to enter your student email address, then

	create an account with Safari. Subsequently, you will use your email address and your Safari password to access the Safari resources.
Q. Required extra- or co-curricular activities	All activities are based on projects and exams assigned throughout the course. Any required extra activities will be clearly explained in class.
R. Safety	This class does not have an experiment lab and therefore we will not be concerned about following specific safety strategies.
S. Additional fees	There are no additional fees for this course.
T. Additional Information	
CSN Student email	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.). **It is extremely important that you check your student email daily.** You can access your student email through GoCSN (go.csn.edu). 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. www.csn.edu/email
Important Note	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 **DO NOT** wait until the last minute to make your concerns known to me and/or to the CIT Department.
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. NOTE: Detailed information on installation and use will be provided in Canvas. This course requires the use of two software products, both available as a **free download**: **Raptor** http://raptor.martincarlisle.com/ - **Exclusively runs under Windows – Sorry Mac users! Might be able to use it to some extent, if you use Ubuntu.** **Python** http://www.python.org/download/ **- Available for both Mac and Windows**

	**Printing @ CSN:** 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.
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. 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
Counseling	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 https://www.csn.edu/advising Students with DECLARED majors go to https://www.csn.edu/academic-counseling for instructions for scheduling an appointment with an academic counselor.
Additional Notes	**My responsibilities:** 1. I will reply to your e-mail messages within one day. Replying to phone calls may take at most two days. 2. I will make sure to accommodate all your learning needs and will answer your questions in a timely manner. 3. I will try my best to resolve any issues. 4. I will return feedback and your grade on assignments within one week of the due date. **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.
Withdrawal Policy - IMPORTANT DATES	**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.**
CLASS POLICIES	All exams will be taken online administered through the Canvas system. Online sections - **You must take your exams at a physical campus location (West Charleston, Henderson, North Las Vegas campus sites).** Hybrid sections **– You will take your exam in class during the regular class hours.** All of the 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. **A note on the online/Hybrid environment:** In an effort 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 these material earlier than the rest of the class, send me an e-mail message and I will give you access to this 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/hybrid 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**. It is extremely simple to ignore due dates and fall behind which I hope we can seriously avoid!** **Hybrid section** – Using the hybrid format, you attend class once a week for 80 minutes and are expected to spend another 80 minutes online. Of course, in order to succeed, you need to study

	much more than the usual class time of 2 hours and 50 minutes a week. The rule is that you attend class about 3 hours a week and study a minimum of 6 hours a week outside of the classroom. Programming can be time-consuming. 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. 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. 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 **software lab** may be available. See announcements in Canvas on the first day of class.
Centers for Academic Success (CAS)	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 www.csn.edu/centers-academic-success 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).
EXCESS CREDIT FEE INFORMATION	Please visit https://www.csn.edu/excess-credit-information for information about the excess credit fee applied in certain circumstances.

TITLE IX Resources	More information is available at https://www.csn.edu/institutional-equity
U. Objectionable materials	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 during the specified dates.

Assignments – 50%
Chapter quizzes – 10%
Midterm Exam – 20%
Final Exam – 20%

Here is a formula for how your final grade is calculated:
(The average of homework assignments * .5 + The average of chapter quizzes * .1 + midterm exam * 0.2 + final exam * 0.2)

So, if Joe's average on homework assignments is 80, he earns an average of 85 for chapter quizzes, 75 points on exam1, and 80 points on exam 2, what is his total score? What is his overall course grade?

Answer: (80 * .5 + 85 * .1 + 75*.2 + 80*.2) = 79.5
Letter grade: C+

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

Required Textbook - Venit&Drake
Your textbook includes material on using the Raptor program. However, they have the word OPTIONAL as in: Running with Raptor (Optional) in the heading of each of the chapters.
In our class, the use of Raptor is Mandatory. I hope this helps to avoid any confusion between what the book offers and what we cover in class.

Recommended Textbook – Gaddis – In the list of topics, I used the RED color for better readability
If you are using any other textbook than the optional textbook discussed here, you should be able to follow similar chapters as all of these books cover the same concepts.

The following outlines the list of topics we cover in this course.

Topics	Skipped sections
Syllabus and Introduction Overview of the Canvas Learning system Chapter 0 – Introduction Chapter 1 – An Introduction to programming **Chapter 2 – SKIPPED till the last week of class** Chapter 3 – Developing a program	**Case studies can be skipped. Of course, you are welcome to study all of these sections. You just won't be responsible for the material we skip.**
Downloading and installing the **Raptor software** on your computer Installation note in Canvas Chapter 4 – Selection structures: Making Decisions Chapter 5 – Repetition Structures: Looping	4.4 – material covered on Case-Like statements. Raptor does not have the CASE statement implementation Page 224 - 243– The call symbol and subcharts – we'll cover this topic in more detail in chapter 9 5.5 – Focus on programming solving
Chapter 6 – More about Loops and Decisions Chapter 7 – Arrays: Lists and Tables	6.5 – Focus on Problem solving 7.4 – Two-Dimensional arrays 7.5 – Focus on problem solving
Chapter 7 – Arrays: Lists and Tables Downloading and **installing the Python software on your computer Installation note in Canvas**	No coding involving procedures in Raptor
Gaddis - Chapter 2 – Input, processing, and Output Gaddis - Chapter 3 – Decision structures and Boolean logic	
Gaddis – Chapter 4 – Repetition Structures Gaddis Chapter 5 – Functions	
Gaddis Chapter 6 – Files and Exceptions (We will only cover the concept of files. We will not cover Exceptions) Gaddis Chapter 7 – Lists and Tuples (We only cover lists which are the same as arrays that we covered in Raptor)	
REVIEW and Chapter 2 (2.1 & 2.2 only) - Data Representation FINAL Exam	