



COURSE SYLLABUS
 AP Computer Science JAVA
 CIS163AA – Fall Semester 2020

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Prerequisites: Grade of "C" or better in Honors Pre Calculus or equivalent.
 Attendance: Regular attendance is important. Students are allowed 10 absences and may be dropped from the course.

Grades: Cumulative Point System – Standard Grading
 Scale

Grade will be comprised approximately from:
 Tests and quizzes..... 50%
 Programs and Class Activities..... 50%

Policy:

1. Work on assigned programs each day.
2. NO GAMES – work in Eclipse
3. Store “Workspace” on virtual drive (One Drive/Google drive).
4. You are responsible for any material missed due to absences.
5. Do not be late.
6. Extra help – Daily before or after school.
7. If taking this course for Dual Credit, student is responsible for college policies in college catalog as listed in Student Code of Conduct. (follow this link for details)

<https://chancellor.maricopa.edu/public-stewardship/governance/administrative-regulations/2-students/2.5-student-rights-and-responsibilities/2.5.2-student-conduct-code>

Advanced Placement:

AP Java is equivalent to a college level Introduction to Programming course. Most universities will give 3 credit hours for a successful AP exam (given in early May). The AP Java exam is a difficult, challenging exam. Students who wish to score a 3 or better on this exam need to study, memorize and work hard throughout the year, and practice as many sample programs as possible prior to taking the exam.

Dual Credit/Enrollment:

In conjunction with Chandler-Gilbert Community College the student has the opportunity to enroll in a dual credit situation. Dual enrollment students must meet the prerequisite criteria for the course. Dual enrollment classes meet at the high school during the regular high school day and are taught by college certified high school instructors using a college curriculum and text. Dual enrollment credits transfer to all Arizona public colleges and universities. Articulation agreements are in place with a variety of colleges outside Arizona. Dual enrollment and advanced placement courses are both good options for students. The difference is dual enrollment students receive a grade and credit for the work performed throughout the year. These credits usually transfer to the student's college of choice as direct course equivalents.

Cheating:

Cheating is not acceptable in my class and consequences will be enforced. Both parties who participate in cheating (including tests, quizzes, homework) will receive a zero on the test or assignment. Any incidents will follow the student conduct guidelines. There are no exceptions as this is an area of zero tolerance.

Instructional Contact:

Instructional contact hours and minimum expectations for number of hours spent out-of-class to complete coursework. (See information below.)

Federal Credit Hour Definition: A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than: One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or (2) at least an equivalent amount of work as required in paragraph (1) of this definition for other activities as established by an institution, including laboratory work, internships, practica, studio work, and other academic work leading toward the award of credit hours. 34CFR 600.2 (11/1/2010)

Office hours:

Weekly 6:30am – 7:25am 2:15pm – 3:30pm

Communication:

- 1) Remind - you will be given a code to join the specific class so that I can send out reminders or notifications in a quick text. If you have any immediate question you can reach out to me through Remind.
- 2) Google Meet /Teams – We will be meeting every other day during the assigned class period time. As mentioned earlier you will select a time slot so that I can meet smaller groups and address questions individually.
- 3) Email – Please feel free to email me when you have a question and I will get back to you within 24 hours.

COURSE DESCRIPTION – Computer Programming Java

Introduction to Java programming. Includes features needed to construct Java Applets, Java Applications, control structures, methods, arrays, character and string manipulation, graphics, and object-oriented programming.

COURSE OBJECTIVES/COMPETENCIES CIS 163AA

1. Explain the development of Java applications.
2. Explain the control structures in Java.
3. Utilize Methods and Arrays in Java.
4. Utilize string and character manipulation in Java.
5. Utilize Object-Oriented programming concepts in Java.
6. Utilize Basic and Advanced Graphical User Interface Components.
7. Identify and debug common mistakes in programs written in Java.

Assessment

Examinations are designed to be experiences that allow students to make connections beyond merely learning procedures. Students are required to maintain a notebook to summarize their learning and provide a valuable resource for preparing for the AP exam. Students are expected to function independently as will be required in college. The course will be moving at a fast pace to cover all the necessary material for the AP® CS Exam in early May. Students are required to keep up with the pace, and this typically requires a few hours of homework each week. Students missing class are expected to make up work promptly. Each semester a writing/research assignment will be completed on the ethical and social implications in computer science. The chapter tests are divided in three types of questions: short answer, multiple-choice, and code completion given program skeleton.

Students in this course will be expected to:

- ask for help as necessary significantly before deadlines
- complete projects independently demonstrating their own work
- turn in assignments before their deadlines
- contribute to making the classroom an effective learning environment
- respect all members of the class at all times and allow everyone to contribute

Course Materials and Required Supplies

Lectures will follow the textbook by Cay Horstman “Big Java”, Wiley Publishing. Runestone Interactive website will feature instructional material as well as homework questions. Additional web based sites will be incorporated throughout the course. Code samples will be posted online (school web site).

Required Supplies: Student must have writing instruments (pens and/or pencils), paper and a binder for the class every day to keep notes and maintain a journal. Handouts will be given periodically that will enhance note taking and should be collected in a binder. These handouts and your class notes can be used for most of the exams in this class, except for both semesters’ final exams. In order to work on your projects & classwork outside of school, you may use a cloud-based storage system (One Drive or Google Drive) or use a flash drive to transport programs back and forth. It is highly recommended to maintain backup copies of your work in case one copy becomes corrupted or is lost.

Statement regarding Students with Disabilities

Students with disabilities are required to register for services in the Disability Resources and Services (DRS) office in the Student Center at the beginning of the semester. Do not wait to visit the DRS office if you want support with any CGCC classes. The DRS office will meet with you to determine accommodations based on appropriate documentation. Therefore, faculty members are not authorized to provide or approve any accommodations for students in this class without written instructions from the DRS office. This must be on file before any accommodation will be provided. You can contact the DRS office at (480) 857-5188.

Diversity Statement

All individuals have a right to an educational environment free from bias, prejudice and bigotry. As members of the Hamilton High School educational community, students are expected to refrain from participating in acts of harassment that are designed to demean another student's race, gender, ethnicity, religious preference, disability or sexual orientation.

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Statement Concerning Plagiarism

Plagiarism is defined as presenting the work of another as one's own. More than four consecutive words from a source other than the writer constitute plagiarism when the source is not clearly identified in appropriate documentation format.

From the CGCC Student Handbook:

“Plagiarism includes, but is not limited to, the use of paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgement. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.”

Information on Learning Center

The Learning Center provides free tutoring, workshops, and other resources for many CGCC courses at both Pecos (Library 2nd floor) and Williams (Bridget Hall). For more information, please visit

www.cgc.edu/lc or call 480-732-7231.

Parent access directions for Infinite Campus

*** Step 1: Enter Your Email Address that you provided to your child's school**

*** Step 2: Click Submit**

*** Step 3: Open the email from Campus No Reply - campus@smtp2.cusd80.com (You may need to look in your spam or junk folder) and click on the link provided.**

*** Step 4: After clicking on the link from the above step, you will enter in a password and then click Create My Account.**

*** Step 5: Login to the parent portal with your new account.**

Appropriate use of technology – board policy IJNDC-R:

The Governing Board intends that technological resources provided by the District be used in a safe responsible and proper manner in support of the instructional program and for the advancement of student learning. It is the policy of the Chandler Unified School District to maintain an environment that promotes ethical and responsible conduct in all electronic resource activities by staff and students. The District reserves the right to monitor use of the District's systems for improper use without warning or prior consent. Students shall be informed that computer files and electronic communications, including email, are not private and may be accessed by the District at any time. Inappropriate use may result in disciplinary action and/or legal action in accordance with the law and Board policy. Please visit the student handbook at <https://www.cusd80.com/handbooks> for further details about appropriate use of technology use.