

<p style="text-align: center;">Kirkwood Community College Course Syllabus</p> <p style="text-align: center;">Introduction to Programming Logic</p> <p style="text-align: center;">CIS-121</p> <p style="text-align: center;">Fall 2020</p>	
INSTRUCTOR	David Debrececi
INSTRUCTOR INFORMATION	Email: David.Debrececi@kirkwood.edu Cell: (856) 649-2471 Office Hours: By appointment only
SECTION INFORMATION	Synonym: 0319603 Lecture: Tuesdays/Thursdays: 7:30 am – 9:00 am Lab: Biweekly Fridays: 7:30am – 9:00 am (alternates with CIS-207) Class runs 08/25/2020 – 12/14/2020
CREDIT HOURS	3 credit hours (2 lecture credits, 1 lab credits, 0 clinic credits, 0 internship credits).
CONTACT HOURS	32 lecture hours, 32 lab hours, 0 clinic hours, 0 internship hours
COURSE REQUISITES	None
COURSE DESCRIPTION	Introduces students to basic computer programming ideas and foundational principles such as problem decomposition and step-wise refinement. Explores problem solving using well-developed programming logic derived with pseudo code, flow charts and related techniques. Focuses on translating student developed solutions into simple programs for testing using an instructor-selected, high-level programming or scripting language.
ARTS & SCIENCE ELECTIVE CODE	B
REQUIRED COURSE MATERIALS	Starting out with Python, Gaddis, Pearson Education w/ MyLab Programming ISBN: 9780134543666 Optional, but recommended: Microsoft Visual Studio Code Python v3 Git Books and course materials for this course are available at the Kirkwood Bookstore.
KIRKWOOD STUDENT LEARNING OUTCOMES	The Kirkwood faculty has determined this course provides students with opportunities to practice the following Kirkwood Student Learning Outcomes: <ul style="list-style-type: none"> • Information Literacy

	<p>• Quantitative Reasoning</p>
<p>COURSE STUDENT LEARNING OUTCOMES AND COMPETENCIES</p>	<p>Upon completion of this course students will be able to:</p> <ol style="list-style-type: none"> 1. Restate a business problem in terms of inputs, processing and outputs. 2. Present a computer algorithm as a sequence of tasks and decisions using pseudo code. 3. Diagram a computer algorithm using flowchart symbols to represent tasks, loops and decisions. 4. Create a structure chart to design and document the modules in a simple program. 5. Encode tasks, decisions and repetition in correct programming language statements. 6. Correctly use mathematical and logical operators and explain their order of operations. 7. Declare and use variables to hold values in primitive data types. 8. Declare and use one-dimensional arrays and process them using loops. 9. Write code to read and write data to and from a disk file. 10. Write program code to prompt for input, check for invalid data, and return error messages. 11. Write reusable functions to accept arguments and return results at run time. 12. Explain the structure and use of simple classes and objects. 13. Define and diagram attributes and methods for simple classes. 14. Read pseudo code, flowcharts or program code for understanding and to find errors. 15. Test programs to ensure accurate output.
<p>LATE WORK/MAKE-UP TEST POLICY</p>	<p>Late submissions will be subject to a penalty of 10% reduction for every 24-hour period they are late.</p> <p>If you miss a test, it must be made up within one week of its issuance.</p>
<p>CLASS ATTENDANCE POLICY AND COLLEGE SPONSORED ACTIVITIES</p>	<p>As stated in the Student handbook: In compliance with Public Law 105-244, Kirkwood Community College makes a wide variety of general institutional information available to students. For additional information, go to: https://www.kirkwood.edu/syllabi-attendance</p>
<p>PRODUCTIVE CLASSROOM LEARNING ENVIRONMENT</p>	<p>We believe that the best learning takes place in an environment where faculty and students exhibit trust and mutual respect.</p> <p>In a productive learning environment, faculty and students work cooperatively, recognize and respect differences, model the values of character and citizenship, and become lifelong learners.</p>

	It is strongly suggested that you, as a student, follow along typing out the code to make sure it works for you and you understand it.		
ACADEMIC INTEGRITY	You may review the Student Academic Integrity Policy at https://www.kirkwood.edu/syllabi-academicintegrity		
CAMPUS CLOSINGS	You may review the Cancellation and Delay Policy at https://www.kirkwood.edu/syllabi-closings		
ACADEMIC ACCOMMODATIONS	Students with specific academic and/or classroom needs may request individualized accommodations. Students wishing to request accommodations should complete an "Accommodation Request Form" which is available at the Learning Services office, 2063 Cedar Hall, or online at https://www.kirkwood.edu/accommodations . Students will be asked to provide documentation supporting their request. An accommodation plan must be completed each semester and given to instructors before academic accommodations will be provided.		
MIDTERM GRADES	A midterm grade will be calculated and posted on MyHub. The midterm grade is a grade-in-progress, and will not affect your official GPA, nor will it impact financial aid. The midterm grade has three purposes: first, to communicate your academic performance; second, to provide opportunities for you to discuss your progress with your instructor; and third, to allow Kirkwood to design college-wide intervention programs that will improve student success.		
STUDENT EVALUATION	Participation [5%] Homework Assignments [25%] Lab Assignments [20%] Midterm Project [25%] Final Project [25%]		
GRADING SCALE			
A	93 – 100	C	73 – 76
A-	90 – 92	C-	70 – 72
B+	87 – 89	D+	67 – 69
B	83 – 86	D	63 – 66
B-	80 – 82	D-	60 – 62
C+	77 – 79	F	59 or below
DROP DATE	To find the last day to get a refund, go to http://www.kirkwood.edu/lastdaytodrop The last date to drop this class for this term is 12/03/2020.		

	Details of the refund schedule can be found under Academic & Enrollment Policies at: https://www.kirkwood.edu/syllabi-refundschedule
FINAL EXAM INFORMATION	Final exams are scheduled during the last week of the term from 12/07/2020 to 12/11/2020. The final exam for this class is scheduled on 12/15/2020 at 7:30 am.
EMERGENCY INFORMATION	To find campus emergency information go to https://www.kirkwood.edu/security
NONDISCRIMINATION STATEMENT	<p>Kirkwood Community College shall not engage in nor allow unlawful discrimination against individuals involved in its educational programs and activities on the basis of race, creed, color, sex, sexual orientation, gender identity, national origin, religion, age, disability or actual or potential parental, family or marital status.</p> <p>Such discriminatory practices shall include but not be limited to:</p> <ul style="list-style-type: none"> ● exclusion of a person or persons from participation in, denial of the benefits of, or other discrimination in any academic, extracurricular, research, occupational training, or other program or activity except athletic programs; ● denial of comparable opportunity in intramural and interscholastic athletic programs; ● or the exclusion of any person from any program or activity or employment because of pregnancy or related conditions dependent upon the physician's diagnosis and certification. <p>If you have questions or complaints related to compliance with the policy please contact the Vice President of Human Resources at Kirkwood Community College, 313 Kirkwood Hall, 6301 Kirkwood Blvd., SW, Cedar Rapids, IA 52404, Telephone: 319-398-5572, Email: equity@Kirkwood.edu or the Director of the Office for Civil Rights U.S. Department of Education, Citigroup Center, 500 W. Madison St., Suite 1475, Chicago, IL 60661-7204, Telephone: 312-730-1560, Fax: 312-730-1576, Email: OCR.Chicago@ed.gov.</p>
COVID-19 STATEMENT	<p>Kirkwood has developed COVID-19 required student Protocols based on the latest public health guidelines. These required protocols encourage Kirkwood's learning community to consider others as well as themselves and empower students to take responsibility for their own health and safety amid the challenges of the coronavirus pandemic. A course section may have additional required protocols.</p> <p>The most recent student protocols: https://www.kirkwood.edu/backtowork#Student%20Protocol</p> <p>Students in violation of the required protocols will be asked to leave. Public Safety will be notified for any student refusing.</p> <p>Disclosure: Due to changes in public health guidelines, the course meeting times, end date and the modality are all subject to change.</p>