

Assessment: Course Four Column



Courses (CT) - Comp and Info Tech

CIT 129: Intro to Programming

| <i>Course Outcomes</i> | <i>Assessment Measures</i> | <i>Results</i> | <i>Actions</i> |
|---|---|--|---|
| <p>General programming concepts - Understand general programming concepts Course Outcome Status: Active Next Assessment: 2023-2024</p> | <p>Discussion - Chps 1, 12 Assignments, Discussions Midterm Final Criterion: 70% or above</p> | <p>Reporting Period: 2017-2018 Criterion Met: Yes Assignment 1: 90% of students avgd +70% Assignment 12: 84% of students avgd +75% with four students not submitting Discussions: All students averaged +90% Midterm: 92% of students scored +80% Final: All students scored +70% (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. (10/18/2018)</p> |
| <p>Data, modularization, and creating high-quality programs - Understand using data, modularization, and creating high-quality programs Course Outcome Status: Active Next Assessment: 2023-2024</p> | <p>Discussion - Chp 2 Assignment, Discussion Midterm Criterion: 70% or above</p> | <p>Reporting Period: 2017-2018 Criterion Met: No Assignments: 52% of the students averaged +70% Discussions: All students averaged +83% Midterm: 92% of students scored +80% (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. (10/18/2018)</p> |
| <p>Explain the key concepts of structure - Explain the key concepts of structure, including what structure is, how to recognize it, and most importantly, the advantages to writing structured programs Course Outcome Status: Active Next Assessment: 2023-2024</p> | <p>Discussion - Chp 3 Assignment, Discussion Chp 9 Assignment, Discussion Midterm Final Criterion: 70% or above</p> | <p>Reporting Period: 2017-2018 Criterion Met: No Assignment 3: 75% of students avgd +70% Assignment 9: 70% of students avgd +75% with one student not submitting Discussions: All students averaged +90% Midterm: 92% of students scored +80% Final: All students scored +70% (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. Students are really struggling with the Find the Bug and Maintenance Problems in the assignments. I need to find a way to help the students, possible by demonstration. The other problem might be in the cumbersome way it currently exists for students to provide their</p> |

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| <p>Decision making, looping, and array manipulation - Explore the intricacies of decision making, looping, and array manipulation</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2023-2024</p> | <p>Discussion - Chp 4 Assignment, Discussion</p> <p>Chp 5 Assignment, Discussion</p> <p>Chp 6 Assignment, , Discussion</p> <p>Midterm</p> <p>Criterion: 70% or above</p> | <p>Reporting Period: 2017-2018</p> <p>Criterion Met: Yes</p> <p>Assignment 4: 84% of students avgd +70%</p> <p>Assignment 5: 60% of students avgd +70%</p> <p>Assignment 6: 62% of students avgd +70%</p> <p>Discussions: All students averaged +90%</p> <p>Midterm: 92% of students scored +80% (10/18/2018)</p> | <p>solution to the problems (10/18/2018)</p> <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. Students are really struggling with the Find the Bug and Maintenance Problems in the assignments. I need to find a way to help the students, possible by demonstration. The other problem might be in the cumbersome way it currently exists for students to provide their solution to the problems. (10/18/2018)</p> |
| <p>Provide details of file handling in order to create programs that process a significant amount of data - Provide details of file handling in order to create programs that process a significant amount of data</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2022-2023</p> | <p>Discussion - Chp 7 Assignment, Discussion</p> <p>Chp 8 Assignment, Discussion</p> <p>Midterm</p> <p>Final</p> <p>Criterion: 70% or above</p> | <p>Reporting Period: 2017-2018</p> <p>Criterion Met: No</p> <p>Assignment 7: 60% of students avgd +70%</p> <p>Assignment 8: 60% of students avgd +70% with one student not submitting</p> <p>Discussions: All students averaged +90%</p> <p>Midterm: 92% of students scored +80%</p> <p>Final: All students scored +70% (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. Students are really struggling with the Find the Bug and Maintenance Problems in the assignments. I need to find a way to help the students, possible by demonstration. The other problem might be in the cumbersome way it currently exists for students to provide their solution to the problems. (10/18/2018)</p> |
| <p>File handling - Understand details of file handling so students can create programs that process a significant amount of data.</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2023-2024</p> | <p>Discussion - Chp 14 Assignment, Discussion</p> <p>Quiz</p> <p>Criterion: 70% or above</p> | <p>Reporting Period: 2017-2018</p> <p>Criterion Met: No</p> <p>Assignment 14: 70% of students avgd +70% with two students not submitting</p> <p>Discussions: All students averaged +90%</p> <p>Final: All students scored +70% (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. Students are really struggling with the Find the Bug and Maintenance Problems in the assignments. I need to find a</p> |

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| <p>Concepts and terminology used in object-oriented programming - Understand the concepts and terminology used in object-oriented programming Course Outcome Status: Active Next Assessment: 2023-2024</p> | <p>Discussion - Chp 10 Assignment, Discussion Chp 11 Assignment, Discussion Criterion: 70% or above</p> | <p>Reporting Period: 2017-2018 Criterion Met: No Assignment 10: 50% of students avgd +70% Assignment 11: 54% of students avgd +70% with one student not submitting Discussions: All students averaged +90% Final: All students scored +70% (10/18/2018)</p> | <p>way to help the students, possible by demonstration. The other problem might be in the cumbersome way it currently exists for students to provide their solution to the problems. (10/18/2018)</p> <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. Students are really struggling with the Find the Bug and Maintenance Problems in the assignments. I need to find a way to help the students, possible by demonstration. The other problem might be in the cumbersome way it currently exists for students to provide their solution to the problems. (10/18/2018)</p> |
| <p>(General education requirement for communication skills) weekly assignments involving oral and written forms of communication - Students will be responsible for completing weekly assignments involving oral and written forms of communication, embracing discussions, reading, listening, and accessing information. (General education requirement for communication skills)</p> | <p>Demonstrate - Evaluate discussions using a grading rubric that addresses the written communication requirements. Criterion: 70% or higher</p> | <p>Reporting Period: 2017-2018 Criterion Met: Yes All students averaged 90% on these assignments. (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. (10/18/2018)</p> |
| <p>General education requirement for critical thinking. Quantitative ability with a variety of programming concepts - Throughout the semester, students will demonstrate</p> | <p>Assignment - Written - Assignments in the back of each chapter. Criterion: 70% or higher</p> | <p>Reporting Period: 2017-2018 Criterion Met: Yes 76% of students averaged +60% on these assignments. (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. (10/18/2018)</p> |

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| <p>quantitative ability with a variety of programming concepts. A few examples are assignment statements, expressions, and looping. (General education requirement for critical thinking – quantitative ability element)</p> <p>Course Outcome Status: Active Next Assessment: 2023-2024</p> | | | |
| <p>General education requirement for critical thinking – independent thought. Logic and visual thinking in the creation of algorithms - Throughout the semester, students will demonstrate logic and visual thinking in the creation of algorithms necessary to solve a problem. (General education requirement for critical thinking – independent thought)</p> <p>Course Outcome Status: Active Next Assessment: 2023-2024</p> | <p>Assignment - Project - Assignments in the back of each chapter.</p> <p>Criterion: 70% or higher</p> | <p>Reporting Period: 2017-2018 Criterion Met: Yes 76% of students averaged +60% on these assignments. (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. (10/18/2018)</p> |
| <p>General education requirement for critical thinking – scientific understanding. Programming languages - Throughout the semester, students will demonstrate the understanding of programming languages and the elements common to them. (General education requirement for critical thinking – scientific understanding)</p> <p>Course Outcome Status: Active Next Assessment: 2023-2024</p> | <p>Exam - Midterm Final</p> <p>Criterion: 70% or higher</p> | <p>Reporting Period: 2017-2018 Criterion Met: Yes Midterm: 92% of students scored +80% Final: All students scored +70% (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. (10/18/2018)</p> |
| <p>General education requirement for personal and cultural awareness – sense of the individual in society. Programming as an element of efficiency - Students will demonstrate</p> | <p>Exam - Midterm Final</p> <p>Criterion: 70% or higher</p> | <p>Reporting Period: 2017-2018 Criterion Met: Yes Midterm: 92% of students scored +80% Final: All students scored +70% (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. (10/18/2018)</p> |

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| <p>the value of programming as an element of efficiency and social progress through assignments. (General education requirement for personal and cultural awareness – sense of the individual in society) Course Outcome Status: Active Next Assessment: 2023-2024</p> | | | |
| <p>General education requirement for personal and cultural awareness – sense of the past. Technological advances that programming has provided to society. - Students will gain an understanding of the technological advances that programming has provided to society. (General education requirement for personal and cultural awareness – sense of the past) Course Outcome Status: Active Next Assessment: 2023-2024</p> | <p>Exam - Midterm Final Criterion: 70% or higher</p> | <p>Reporting Period: 2017-2018 Criterion Met: Yes Midterm: 92% of students scored +80% Final: All students scored +70% (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. (10/18/2018)</p> |
| <p>General education requirement for technological understanding. Computer systems - The primary tools used in this class will be technology based: Computer systems (hardware and software), and programs and programming design tools (draw.io). (General education requirement for technological understanding Course Outcome Status: Active Next Assessment: 2023-2024</p> | <p>Assignment - Project - Because this is the primary tool used for the class, the assessment measure would be the overall class average for all assignments and assessments throughout the semester. Criterion: 70% or higher</p> | <p>Reporting Period: 2017-2018 Criterion Met: Yes 76% of students averaged +60% on these assignments. (10/18/2018)</p> | <p>Action: Provide low stakes interactive online quizzes throughout lecture for better comprehension. (10/18/2018) Follow-Up: In doing this assessment, I realized that I have two outcomes that are very similar. I will be modifying these outcomes for next year to reflect this change and to better capture the content covered in the course.</p> <p>Students are really struggling with the Find the Bug and Maintenance Problems in the assignments. I need to find a way to help the students, possible by</p> |

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demonstration. The other problem might be in the cumbersome way it currently exists for students to provide their solution to the problems.

The online course utilizes interactive videos that were produced with MS Office Mix. As of January, 2018, Office Mix is no longer available. I will be redoing this course using H5P so as to keep with the interactive learning platform with videos.

(10/18/2018)