| Course SLOs | Assessment Methods & Standard and Rubric / Tasks | Results | Action & Follow-Up |
|---|---|---|---|
| El Camino: Course SLOs (MATH) - Computer Sciences - ECC: CSCI 30 - Advanced Programming in C++ - SLO #1 Document Programming Solutions - Students will design, code, compile, test and document programming solutions to problems requiring the development of C++ classes (by inheritance, by composition; templates), requiring C++ operator overloading, requiring effective use of the Standard Template Library, requiring effective use of pointers and dynamic memory allocation. (Created By El Camino: Course SLOs (MATH) - Computer Sciences)<br>**Course SLO Assessment Cycle:**<br>2013-14 (Spring 2014)<br>**Input Date:**<br>11/19/2013<br>**Course SLO Status:**<br>Active | **Assessment Method Description:**<br>Three programming assignments were assigned.<br><br>The first assignment has students creating a class, MyVector, to model what is being done with the Standard Template Library class vector. In this assignment students had to implement C++ operator overloading and make effective use of pointers related to dynamic memory allocation.<br><br>The second assignment and the third assignment, taken together, were used to demonstrate knowledge of C++ matters related to a C++ inheritance hierarchy. The topics of base classes, derived classes, virtual functions, dynamic memory allocation, and detailed, complete testing of an inheritance hierarchy of classes were covered and students demonstrated their knowledge of these topics.<br><br>**Assessment Method:**<br>Laboratory Project/Report<br>**Standard and Rubric:**<br>It is expected that 85% of students will demonstrate understanding of and the ability to apply the related C++ concepts.<br>**Related Documents:**<br>CSCI 30 0124 2014 Spring Pgm01 - Delineated Version.doc<br>CSCI 30 0124 2014 Spring Pgm02 Person Student-Voter-Faculty.doc<br>CSCI 30 0124 2014 Spring Pgm03 Add StudentVoter.doc | 09/15/2014 - 22 students performed the assessment.<br><br>20 of the 22 performed to the desired standard. Hence, 90.91% did meet the standard, and 2 students or 9.09% did not.<br><br>Related to the student performance, these lab assignments are very complex and students may use their textbooks, ask question on the material at a general level, and are given plenty of time to complete the programming assignments, generally taking at least a week for a given assignment, and at times as much as three weeks.<br><br>**Standard Met:**<br>Yes<br>**Semester of Current Assessment:**<br>2013-14 (Spring 2014)<br>**Faculty Assessment Leader:**<br>Ralph Taylor<br>**Faculty Contributing to Assessment:**<br>Ralph Taylor | 05/15/2018 - Continue to provide programming assignments that cover all of the C++ topics related to CSCI 30.<br><br>The results this semester were very good, but there is the possibility that for the two students who were struggling more could have been done. However, when a student does not take advantage of offers of help via email, possible appointments generally seven days a week, and in the lab environment, I am currently at a loss as to what that "more" would be.<br><br>**Action Category:**<br>Teaching Strategies |
| El Camino: Course SLOs (MATH) - Computer Sciences - ECC: CSCI 40 - Introduction to UNIX/LINUX Operating Systems - SLO #1 Shell Script Solutions - Given a specification for a set of operating system tasks, students will create, edit, move, display, copy and delete files and subdirectories. (Created By El Camino: Course SLOs (MATH) - Computer Sciences)<br>**Course SLO Assessment Cycle:**<br>2013-14 (Spring 2014)<br>**Input Date:** | **Assessment Method Description:**<br>lAB 5 - Create subdirectories, move, copy, delete files.(15 pts)<br><br>__1. Create subdirectories named lab01, lab02,..,lab04, and shells in your home directory.<br><br>__2. Move all files created in lab01 to the subdirectory lab01:<br>    cat.desc | 08/30/2014 - SLO1 Results: (total of 18 students) Number of Students<br>Excellent(a score of 14-15 out of 15): 17(94.4%)<br>Satisfactory(a score of 11-13 out of 15 ): 1(5.6)<br>Unsatisfactory(10 or less out of 15 ): 0<br><br>SLO Conclusion The students performed well enough on this SLO question to support the continuation of the current presentation/delivery methods for this material, which was lecture followed by in class exercise, then the Lab quiz. | 09/11/2015 - Monitor the success rates for this SLO in future assessments to determine if this extremely high performance is reoccurring, which could indicate that the SLO may need to be revised to make it more challenging.<br><br>**Action Category:**<br>SLO/PLO Assessment Process |

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| 11/19/2013<br>**Course SLO Status:**<br>Active | hello<br>today<br>cal.jun.03<br>cal.2003<br>dir.lab1<br><br>__3. a) Similarly, move all files created in lab02-lab04 to their<br>    subdirectories.  Use wildcards where possible.<br>  b) create hard links to mail files and mbox (now in lab02 subdir) in your<br>    HOME directory.<br><br>__4. Copy all files with the extension of .sh , .csh, or .ksh from the<br>   /usr/cs40sh dir into your shells directory using a ? or [] in the pattern<br>   in the command(s).<br><br>__5. Use the ls command with the -lR options to list the contents of your<br>   HOME and all subdirectories in one command.  Print the listing and<br>   turn it in, along with the commands you used for each step.<br><br><br>**Assessment Method:**<br>Laboratory Project/Report<br>**Standard and Rubric:**<br>We expect 85% of the students to receive 75% or better on this question. | **Standard Met:**<br>Yes<br>**Semester of Current Assessment:**<br>2013-14 (Spring 2014)<br>**Faculty Assessment Leader:**<br>Gregory Scott | |