



ALAMO
COLLEGES

PALO ALTO COLLEGE

Program Student Learning Assessment Plan/Report

Academic Year 2011-12

Program/Award: CIS Information Technology & Security, A.A.S

Program/Award: AAS in CIS Information Security and Assurance – beginning Fall 2012

Program Lead Faculty: John Jansma

Department Chair: Brian Sanders

Outcome #1	Demonstrate technical job-performance and workplace skills.
Measures	Concept- and hands-on skill performance on final exam and all the lab assignments will be used to appropriately assess the total set of knowledge, skills, and abilities of the student for ITSC 1305
Targets	70% of assessed students will achieve a passing score on final exam and all lab assignments for the ITSC 1305 - Introduction to PC Operating Systems.
Findings	2009-2010: 73% of students achieved a passing score on the final exam. 70% of students achieved a passing score on all the lab assignments. 2010-2011: 70% of students achieved a passing score on the final exam. 55% of students achieved a passing score on all the lab assignments. 2011-2012: 70% of students achieved a passing score on all the lab assignments.
Assessment of Previous Cycle's Action Plan	<ul style="list-style-type: none">• Discontinue use of "final exam" in Measures (use only lab assignments). Done.• Target: Students will achieve 70% or better average of all lab assignments for ITSC1305. Add an on-campus class to accommodate the students whose learning styles do not respond well to on-line classes. Done.• Obtain PCs to use in a newly-created on-campus lab. Done: twelve Dell PCs and 5 Mac Mini systems installed.• Complete test blueprint for the final. N/A, assignments are new criteria
New Action Plans	<ul style="list-style-type: none">• Change Outcome #1 to "Students critically analyze situations of computer and network use, identifying security issues and consequences."• Revised degree plan from Alamo Colleges' CIS Coordination has been implemented 2012-13. Change Measures from ITSC1305 to <u>ITSY1342</u> (Information Technology Security) and <u>ITSY1300</u> (Fundamentals of Information Security) – measure each as "70% of students will achieve a passing score on the final project for _____".• Add a "key assignment" which can be used to assess students' critical thinking and communication knowledge and skills.
Outcome #2	Demonstrate technical job-performance and workplace skills.
Measures	Concept and hands-on skill performance on final exam and all the lab assignments will be used to appropriately assess the total set of knowledge, skills, and abilities of the students for ITSY 1300.
Targets	70% of assessed students will achieve a passing score on final exam and final project for the ITSY 1300 Information Technology Security course.



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Findings	2009-2010: 53% of students achieved a passing score on the final project. 63% of students achieved a passing score on the final exam. 2010-2011: 54% of students achieved a passing score on the final project. 61% of students achieved a passing score on the final exam. 2011-2012: 63% of students achieved a passing score on the final project.
Assessment of Previous Cycle's Action Plan	<ul style="list-style-type: none">Discontinue use of "final exam" and "lab assignments" in Measures (use only final project). Done.
New Action Plans	<ul style="list-style-type: none">Change Outcome #2 to "Students use operating system features and relevant tools to provide for security; and use encryption techniques and develop backup procedures to protect data."Revised degree plan from Alamo Colleges' CIS Coordination has been implemented 2012-13. Change Measures from ITSY1300 to <u>ITCC2410</u> (Cisco Exploration 4 – Accessing the WAN) measured as "70 % of students will achieve a passing score on the concept and hands-on skill performance final project."Move ITSY1300 Findings 2009-10, 2010-11, 2011-12 to Outcome 1, along with ITSY1300 Measure/Target...Add a "key assignment" which can be used to assess students' critical thinking and communication knowledge and skills.
Outcome #3	Demonstrate technical job-performance and workplace skills.
Measures	Concept- and hands-on skill performance on final exam will be used to appropriately assess the total set of knowledge, skills, and abilities of the students. Also considered is the evaluation of the goals set by agreement for the co-operative learning class used as the capstone for the Associate of Applied Science Award.
Targets	70% of students will achieve a passing score on final exam for ITSC 2364 - Practicum – Computer and Information Sciences, General of a C or better including satisfactory evaluation by employer at the end of the grading period.
Findings	2009-2010: 86% of students achieved a passing score on employee's evaluation. 71% of students achieved a passing score on the final exam. 2010-2011: 100% of students achieved a passing score on employee's evaluation. 79% of students achieved a passing score on the final exam. 2011-2012: 73% of students achieved a passing score on employee's evaluation. 73% of students achieved a passing score on the final exam.
Assessment of Previous Cycle's Action Plan	<ul style="list-style-type: none">Enforce importance of final exam submission: Enforced with reminder email a week before the final exam is due.



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New Action Plans	<ul style="list-style-type: none">• Provide weekly follow-up to students through email and course contact. Emails will target those having problems.• Add a “key assignment” which can be used to assess students’ critical thinking and communication knowledge and skills.• Change Outcome #3 to “Complete an external learning experience to enhance the student's application of skills in the ultimate hands-on training.”• Change Targets to “70% of students will achieve a passing score of “C” or better on the final exam for ITSY 2386 – Internship – Computer and Information Systems Security (or ITSC 2364 – Practicum – Computer and Information Sciences, General), and 70% of students will achieve a satisfactory evaluation by employer at the end of the grading period.”
Outcome #4	
Measures	
Targets	
Findings	
Assessment of Previous Cycle’s Action Plan	
New Action Plans	
Outcome #5	
Measures	
Targets	
Findings	
Assessment of Previous Cycle’s Action Plan	
New Action Plans	