



ALAMO
COLLEGES

PALO ALTO COLLEGE

Program Student Learning Assessment Plan/Report
Academic Year 2011-12

Program/Award: CIS Information Technology Security Level 1 Certificate

Program/Award: CIS Information Security and Assurance Level 1 Certificate – beginning Fall 2012

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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>ITSY2442</u> (Incident Response and Handling) 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 assessments will be used to appropriately assess the total set of knowledge, skills, and abilities of the students for ITCC1401.
Targets	70% of students will achieve a passing score on the concept- and hands-on skill performance final project for ITCC 1401 - Cisco Exploration 1 - Network Fundamentals course.
Findings	2009-2010: 72% of students achieved a passing score on the final project. 2010-2011: 83% of students achieved a passing score on the final project. 2011-2012: 90% of students achieved a passing score on the final project.
Assessment of Previous Cycle's Action Plan	<ul style="list-style-type: none">• Develop additional worksheets to practice hands-on concepts. Develop additional quizzes to reiterate definitions: completed successfully.
New Action Plans	<ul style="list-style-type: none">• Provide servers for ITCC1401 labs to further knowledge in network server implementation.• Change Outcome #3 to "Install, configure, operate and troubleshoot routers, switches, LANs, WANs, and dial-access and wireless services for small networks."• Add a "key assignment" which can be used to assess students' critical thinking and communication knowledge and skills.• Change this ITCC1401 Outcome to instead be based on ITCC2343 – Network Security.



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Outcome #4	
Measures	
Targets	
Findings	
Assessment of Previous Cycle's Action Plan	
New Action Plans	
Outcome #5	
Measures	
Targets	
Findings	



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Assessment of Previous Cycle's Action Plan	
New Action Plans	