

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

RECREATIONAL SPORTS - CAL ADVENTURES

ASSEMBLING/DISASSEMBLING/REPAIRING ROPES COURSE

General Precautions: Hard hats and eye protection must always be worn. The fall-protection equipment must be inspected and maintained according to Cal/OSHA guidelines and manufacturer's recommendations. A rescue plan and equipment must be in place and operable prior to climbing tree.

TASK	HAZARDS	CONTROLS
1. Securing the perimeter of work area from bystanders.	None foreseen.	
2. Fastening self into harness.	Pinching fingers.	Keep fingers away from the clamp area of carabineer.
	Falling while attempting to step into the harness.	Hold onto a stable object for balance or solicit the help of other personnel.
3. Securing the ladder against the tree.	Injury to self and others from losing control of the ladder.	See EH&S fact sheet on "Ladder Safety" for more information.
4. Ascending/descending the ladder.	Unstable ladder.	See EH&S fact sheet on "Ladder Safety" for more information.
	Falling.	Inspect tree, especially stable ladder, to ensure everything is secure. See EHS fact sheet on "Ladder Safety" for more information.
5. Clipping the harness onto the gliding pulley system.	Pinching fingers.	Keep fingers away from clamp area of carabineer.
6. Sitting back into harness.	Injury from the harness due to suspension.	Slowly sit back into harness. Stabilize body to minimize swinging in harness.
7. Clipping the tote bucket onto the gliding pulley system.	Pinching fingers.	See above for more information.
8. Gliding along pulley system.	Finger/hand injuries.	Keep fingers and hands clear of carabineer.
		Be careful of rope burn.

		Injury to others.	Make sure every tool is secured to tote bucket by rope. Ensure that no one is underneath the work area.
	9. Performing task.	Injury from falling objects.	Wear a hard hat and eye protection.
	Required Training: Using harness, fall protection	Required Personal Protective Equipment (PPE): Hard hat, eye protection, harness	
Other Information:	See "Ladder Safety" Fact Sheet		
Contributors:	Recreational Sports		
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	<p>For more information about this JSA, contact the <i>Office of Environment, Health and Safety</i> at UC Berkeley, 317 University Hall #1150, Berkeley, CA 94720-1150 (510) 642-3073 ● http://www.ehs.berkeley.edu</p> <p><i>The development of Job Safety Analyses is a Balanced Scorecard initiative of the AVC-BAS Safety Committee, sponsored by the Associate Vice Chancellor-Business and Administrative Services (AVC-BAS) and the AVC-BAS Leadership Team ● http://bas.berkeley.edu/balancedscorecard</i></p>		