Robotics Lab Student Safety Safety Inspection Sheet

NAME					DATE CLASS PERIOD			
		Break group into teams and have them complete this safety inspections sheet for the lab. Circle the correct response. S – satisfactory U - unsatisfactory NA - not applicable. On the back of the sheet identify any unsatisfactory conditions and suggest ways to improve the facility.						
	Ge	General Facility Safety						
	1.	S	U	NA	 One instructor has the overall responsibility for each major shop facility. 			
	2.	S	U	NA	2. Each major shop facility can be locked separately.			
	3.	S	U	NA	3. Provisions have been made for keeping inappropriate garments and other materials out of lab areas.			
	4.	S	U	NA	4. Good housekeeping standards are observed.			
	5.	S	U	NA	 Student educational cleanup program is backed up daily with complete custodial services. 			
	6.	S	U	NA	6. Waste is collected daily and disposed of by the custodian.			
	7.	S	U	NA	 Floors are maintained in a condition conducive to safe practices with nonskid surfaces provided around machines. 			
	8.	S	U	NA	 Designated safety zone areas are provided around all dangerous work areas. 			
	9.	S	U	NA	9. Aisles are clear of protruding materials.			
	10	. s	U	NA	10. Room furniture and equipment are arranged for optimum safety.			
	11.	S	U	NA	 Non-glare lighting is provided for all work areas according to state regulations. 			
	12.	. S	U	NA	12. Stairways within existing laboratories have safe tread and rise with unobstructed access and with approved railings.			
	13	. S	U	NA	13. Railings and treads are color coded.			
	14.	. S	U	NA	 Two widely separated marked exits are available from each major laboratory. 			
	15	. S	U	NA	 Facilities are light, pleasant, clean and conducive to good instruction. 			
	16	. S	U	NA	 Machine operation regulations and safety procedures are posted conspicuously near areas of operation. 			
	17.	. S	U	NA	 Parts of machines and equipment needing special attention or caution are painted brightly with correct color 			
	18.	S	U	NA	 Machines and work stations are located in relationship to the amount of supervision required 			
	19.	S	U	NA	 Machine location has been determined by needed operator space requirements and process compatibility. 			
	20	. S	U	NA	 Health hazards were considered in plant design to minimize injuries from excess heat, noise, fire, and fume conditions. 			

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	Storage Facility	Safety	
	21. S U NA	 Storage racks and shelf are designed storage requirements. 	d and constructed to meet
	22. S U NA	22. Materials are stored in a safe manne	r.
	23. S U NA	 Students and instructors are protected and sharp edges. 	ed from protruding materials
	24. S U NA	 All flammables and combustible liqui stored securely in proper containers, degree of hazard. 	
	25. S U NA	 Fire approved storage cabinets are p combustible liquids. 	provided for all flammable and
	Electrical Safety	,	
	26. S U NA	26. All power and wiring is installed and national electrical code and -	maintained in accordance with
	a. S U NA	a. Switches are enclosed.	
	b.S.U.NA	b. Circuits are identified.	
	c. S U NA	 c. All power cords are of proper length a load. 	nd determined by gauge and
	d. S U NA	d. Power supplies are provided with over	rload protection.
	e. S U NA	e. Lockouts are provided.	
	27. S U NA	27. All outlets and machines are grounde	ed.
	28. S U NA	 All extension cords are provided with those which are double insulated. 	three pronged plugs, except
	29. S U NA	29. Readily accessible individual "off" an on all machines as well as in the root	
	30. S U NA	30. A master control "Panic Stop System conveniently located in each laborate	
	31. S U NA	 Laboratory power panels have clearl switches for each machine. 	y identified individual power
	32. S U NA	 All hand held portable power tools ar controls only. 	e equipped with "dead man"
	33. S U NA	 Regulators, stands and pilot lights ar soldering irons. 	e provided for all electrical
	34. S U NA	34. All electrical apparatus in areas of co proof.	ncentrated vapors are vapor

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Equipment Safety

35. S U NA	35. Safety instructions for each machine are posted.
36. S U NA	36. Machines are in safe operating condition at all times.
37. S U NA	37. "Out of order" signs are secured to machines not in working condition and the power panel switch is in the "off" position.
38. S U NA	38. All machines are securely fastened in place.
39. S U NA	39. Machines and equipment are provided with guards meeting industrial standards and guards are in proper position for safe machine operation.
40. S U NA	40. Equipment control switches are readily accessible to the operator while he/she is in a normal operating position.
41. S U NA	41. A positive "off" position switch is located on each machine.
42. S U NA	42. Proper tools and materials are available for machine cleaning.
43. S U NA	43. Hand tool equipment is stored with sharp cutting edges protected.
44. S U NA	44. Hand tools are properly maintained and sharp.
45. S U NA	45. Bench tops are appropriate for the planned activities.

DATE

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