

ASU EHS laboratory-specific training checklist

The ASU Environmental Health and Safety department has developed this laboratory-specific training checklist to help ensure all personnel working within ASU laboratories are adequately trained before beginning work with any hazardous materials. The form shall be maintained in each laboratory and be available for review. Questions regarding the checklist should be sent to askehs@asu.edu.

To the Principal Investigator or designee: Please select the training topics relevant to the work being performed and discuss them with your new personnel before any work with hazardous materials. Check the box for each required training and complete documentation of the training on this form. The EHS Training Determination Tool can be used to determine the online training required as part of laboratory operations.

$\overline{\checkmark}$	Annual mandatory web-based training and general procedures					
All personnel must complete the following training annually.						
_	Fire safety and prevention. Date of completion:					
	Hazardous waste management. Date of completion:					
	Laboratory safety. Date of completion:					
	Hazards present in the laboratory including signs and symptoms associated with					
	exposure to the materials (chemical, radiological, laser and biological) and routes of exposure.					
	Understand the facility requirements - e.g., closed laboratory doors, temperature					
	settings, no gloved hands in hallways and the use of secondary containers for transport					
	Understand the lab-specific working-alone policies and procedures.					
	Date of completion:					
\checkmark	Emergency procedures					
All pe	rsonnel must be trained on lab-specific emergency procedures.					
-	v the following:					
	All applicable safety signs - e.g., biohazard, fire and radioactive signage - their meaning					
	and any requirements for entry.					
	Call 911 in the event of an emergency.					
	Communication procedures on how to notify the PI and the lab's emergency contact.					
	Contamination control- e.g., hand washing, spill kit locations and knowledge of promptly					
	cleaning up spills and general housekeeping.					
	Emergency exit aisle and door locations.					
	Emergency Response Guide information.					
	Eyewash and safety shower location and directions for use.					
	First aid kit location, as applicable.					
	Hazards present in the laboratory.					
	Nearest fire alarm pull box and nearest fire extinguisher locations.					
	Primary and secondary building emergency evacuation routes and outside assembly area locations.					
	Date of completion:					



☑ Personal protective equipment

ΔII ne	rsonnel must read and understand the	following PPF usage and requirements:				
All personnel must read and understand the following PPE usage and requirements:						
	gloves, close-toed shoes and clothing that covers the legs to the ankles.					
_						
	•	based on lab activities and procedures and the				
_	use of specialized PPE. This is not an e	•				
	☐ Acid aprons.					
	☐ Face shields.					
	☐ Hearing protection.					
		□PAPR; □Half-face or full-face respirator)				
	☐ Work gloves.	, , , , , , , , , , , , , , , , , , , ,				
	☐ Other necessary PPE					
	<u> </u>	Date of completion:				
$\overline{\checkmark}$	Reporting					
		es for reporting accidents and injuries.				
-	dures personnel are trained to perform:	cs for reporting accidents and injuries.				
		dents, injuries, incidents and near misses in the				
		cies, federal, state or local regulations or any				
	research-related accidents and illnesses					
	cfo.asu.edu/ehs-incident-reporting	to the fire and Erro minioulatery.				
	<u></u>	Date of completion:				
\neg	Biological					
니 Piala		rocher training as fallows:				
	gical laboratories require initial and ref pical laboratory (web-based training):	resiler training as follows.				
_	Autoclave.	Date of completion:				
	Comprehensive biosafety and bloodborr					
	Comprehensive blosalety and bloodborn	Date of completion:				
П	EHS Employee Health B virus.	Date of completion:				
	Field safety.	Date of completion:				
	Animal biosafety.	Date of completion:				
	dures personnel are trained to perform:	Bate of completion.				
	☐ Autoclave procedure, including equipment-specific training, particularly regarding					
decontamination of biohazardous material.						
	Decontamination and disposal methods					
☐ Proper procedures for all equipment in the laboratory, including biological safety						
	cabinets and centrifuges.					
	Requirements of medical surveillance (a	nimal contact, etc.).				
	☐ Security requirements for biohazardous materials present in the laboratory.					
	Standard microbiological practices and	•				
	Use and preparation of laboratory disinfe	-				
	and understand safety references:					
	☐ ASU Biosafety Manual					



		☐ ASU Exposure Control Plan for Bloodborne Pathogens				
		Biosafety in Microbiological and Bio	medical Laboratories (BMBL)			
		NIH Guidelines				
			Date of completion:			
	Cher	nical	·			
		oratories require initial and refres	her training as follows:			
		oratories require initial and refres oratory (web-based training):	ner training as ronows.			
		netic gas safety.	Date of completion:			
		ressed gas.	Date of completion:			
	•	ydrofluoric acid safety.	Date of completion:			
		yrophoric safety.	Date of completion:			
		nitrogen safety.	Date of completion:			
	•	able crystalline silica.	Date of completion:			
	•	•	Date of completion:			
		ersonnel are trained to perform:	adore that includes transportation, regulator			
Ш			nders that includes transportation, regulator			
		nd emergency procedures.	d actallita wasta area			
	 □ Lab-specific handling of chemical waste and satellite waste area. □ Liquid nitrogen filling station operations and safety considerations for moving liquid 					
Ц	-		a safety considerations for moving liquid			
	_	en dewar(s) in elevators.	including chamical furns bands are splingto			
Ц		• • •	including chemical fume hoods, gas cabinets,			
Daad	U	ooxes, etc.				
Read		derstand safety references:				
	Ц	ASU Chemical Hygiene Plan	Data of completion.			
_			Date of completion:			
	Radia	<mark>ation</mark>				
Radia	tion lab	oratories require initial and refres	her training as follows:			
Radiat	ion labo	oratory (web-based training):				
	Radioa	active materials safety	Date of completion:			
	Radiat	ion-producing equipment	Date of completion:			
Proced	dures pe	ersonnel are trained to perform:				
	Handli	ng of radioactive waste.				
	Persor	nal dosimetry, including what dosime	try is, how to properly wear dosimeters and			
	their re	esponsibilities as radiation workers fo	or personal dosimetry.			
☐ Proper procedures when working with or near sources of radiation or radiation						
	equipn	nent, principles of radiation protection	n and how workers can reduce radiation			
	exposi	ure.				
	Securi	ty and access requirements.				
Read	and un	derstand safety references:				
		Radioactive Materials Manual				
			Date of completion:			



Laser laboratories require initial and refresher training Laser laboratory (web-based training): Laser Safety Procedures personnel are trained to perform: Location, inspection and use of laser safety eyewe Manufacturer instructions for installation, operation Standard operating procedures for laser alignment Read and understand safety references: ASU Laser Safety Manual	Date of completion:ar. and maintenance.				
Li Add Laser Garety Manual	Date of completion:				
□ Shop equipment	<u> </u>				
Laboratories with shop equipment require initial and r	efresher training as follows:				
Shop/makerspace (web-based training):	enesilei trailing as follows.				
☐ Cranes, hoists and slings.	Date of completion:				
☐ Fall protection.	Date of completion:				
☐ Hearing protection.	Date of completion:				
☐ Hot work safety.	Date of completion:				
☐ Ladder safety.	Date of completion:				
☐ Machine shop safety.	Date of completion:				
☐ Powered industrial equipment.	Date of completion:				
Procedures personnel are trained to perform:					
☐ Hot work area procedures and PPE requirements.					
☐ Manufacturer's instructions and operating procedu	res for shon equipment including				
machine guarding, drill presses, table saws, etc.	cs for shop equipment, moldaling				
machine guarding, unii presses, table saws, etc.	Date of completion:				
Training attestation:	Date of completion.				
I understand that additional risk assessment and train in the hazards associated with my work.	ing may be required when there is a change				
By signing this form, I agree that I have been trained on the checked items above. I understand this information and feel comfortable with my knowledge and ability to adhere to safety practices, laws, rules and guidelines.					
Personnel name (print):					
Personnel signature:					
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Training was provided on the above checked items by:					
PI/ designee (print):					
PI/ designee signature:	Date:				