

APPENDIX 3

LIST OF HAZARDS WHICH NEED TO BE CONSIDERED WHEN CARRYING OUT RISK ASSESSMENTS

This list should not be considered exhaustive, but is given to illustrate the extensive nature of hazards that may need to be taken into account.

- ASPHYXIATION
- BIOLOGICAL AGENTS, INCLUDING PATHOGENS AND GENETICALLY MODIFIED ORGANISMS CHEMICALS, INCLUDING DUSTS AND FUMES
- CLEANING. INCLUDING USE OF CLEANING CHEMICALS
- CONFINED SPACES
- CONTACT WITH HOT AND COLD SURFACES
- CRYOGENS AND CRYOGENIC STORAGE FACILITIES
- DISPLAY SCREEN EQUIPMENT, INCLUDING COMPUTER WORK-STATIONS
- DROWNING
- ELECTRICAL SUPPLY AND EQUIPMENT
- EXCAVATION
- EXPLOSION
- FALL OF OBJECTS OR PERSONS FROM HEIGHT
- FIELD TRIPS, INCLUDING WORK IN THE COMMUNITY AND/OR IN OTHER INSTITUTIONS
- FIRE
- GASES, INCLUDING CRYOGENS, FLAMMABLE AND TOXIC GASES AND COMPRESSED GAS CYLINDERS
- HAND TOOLS
- IONISING RADIATIONS
- LATE WORKING
- LIGHTING
- LONE-WORKING
- MAINTENANCE OF FLOORS AND STAIRS
- MANUAL HANDLING OPERATIONS
- MATERNITY, INCLUDING THE POSSIBILITY OF HEIGHTENED RISK TO NEW AND EXPECTANT MOTHERS
- MECHANICAL EQUIPMENT, INCLUDING CENTRIFUGES
- MECHANICAL LIFTING OPERATIONS
- MOBILITY IMPAIRMENT, INCLUDING HEARING IMPAIRMENT
etc
- NOISE, INCLUDING ULTRASONIC EQUIPMENT
- NON-IONISING RADIATIONS
- OPERATION OF VEHICLES
- PRESSURE SYSTEMS, INCLUDING COMPRESSED GASES AND AUTOCLAVES

- PROPULSION OR EJECTION OF MATERIALS FROM MACHINES
- SEVERE AND ADVERSE WEATHER
- STACKING
- STATIC ELECTRICITY
- STORED ENERGY
- VIBRATIONS

<https://www.ed.ac.uk/health-safety/online-resources/risk-assessments> is a constantly evolving resource, consisting of an interlinking network of model templates and generic assessments to assist Schools *etc* comply with health and safety legislation.

- risk assessment forms and notes;
- self-inspection checklists;
- reports/forms; and
- rules/plans.

Each document contained at <https://www.ed.ac.uk/health-safety/online-resources/risk-assessments> can be perused on screen, and some contain hypertext links to other relevant documents - in particular, questions in self-inspection checklists forms a hypertext link to (normally) the relevant section of the Health and Safety Policy, as background guidance. In addition, each document can be printed out as a hard-copy for use within the School, Centre, laboratory or service in question.

The Risk Assessment forms are designed to assist management units to comply with relevant items of risk assessment- based health and safety legislation, and hence with the central University Health and Safety Policy. In addition to model template risk assessment forms, <https://www.ed.ac.uk/health-safety/online-resources/risk-assessments> includes generic risk assessments for certain activities.

One example is provided here:

- General risk assessment (RA1).

General Risk Assessment Form RA1

(Refer to Notes for Guidance at
http://www.docs.csg.ed.ac.uk/Safety/ra/RA1_notes.pdf
before completing this form)

School Assessment No:	
Title of Activity:	
Location(s) of Work:	
Brief Description of Work:	

Hazard Identification: Identify all the hazards; evaluate the risks (low / medium / high); describe all existing control measures and identify any further measures required. Specific hazards should be assessed on a separate risk assessment form and cross-referenced with this document. Specific assessments are available for hazardous substances, biological agents, display screen equipment, manual handling operations and fieldwork. See <http://www.ed.ac.uk/schools-departments/health-safety/risk-assessments-checklists/risk-assessments> for details.

Hazard(s)	Present Risk Evaluation L/M/H	Control Measures (<i>i.e.</i> , alternative work methods / mechanical aids / engineering controls, <i>etc.</i>)	Risk Evaluation after control L/M/H

**Continue on separate sheet if necessary*

Engineering Controls: Tick relevant boxes

<input type="checkbox"/> Guarding	<input type="checkbox"/> Extraction (LEV)	<input type="checkbox"/> Interlocks	<input type="checkbox"/> Enclosure
Other relevant information (incl. testing frequency if appropriate):			

Personal Protective Equipment (PPE): Identify all necessary PPE.

<input type="checkbox"/> Eye / Face	<input type="checkbox"/> Hand / Arm	<input type="checkbox"/> Feet / Legs	<input type="checkbox"/> Respiratory
<input type="checkbox"/> Body (clothing)	<input type="checkbox"/> Hearing	<input type="checkbox"/> Other (Specify)	
Specify the grade(s) of PPE to be worn:			
Specify when during the activity the item(s) of PPE must be worn:			

Non-disposable items of PPE must be inspected regularly and records retained for inspection

Persons at Risk: Identify all those who may be at risk.

<input type="checkbox"/> Academic staff	<input type="checkbox"/> Technical staff	<input type="checkbox"/> P'Grad students	<input type="checkbox"/> U'Grad students
<input type="checkbox"/> Maintenance staff	<input type="checkbox"/> Office staff	<input type="checkbox"/> Cleaning staff	<input type="checkbox"/> Emergency personnel
<input type="checkbox"/> Contractors	<input type="checkbox"/> Visitors	<input type="checkbox"/> Others	

Additional Information: Identify any additional information relevant to the activity, including supervision, training requirements, special emergency procedures, requirement for health surveillance etc.

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Assessment carried out by:

Name:		Date:	
Signature :		Review Date:	

Last reviewed/updated: 04th July, 2024