List of Approved and Rejected Eye Protection Exemption Applications in NUS

Approved Exemption Request	Rejected Exemption Request
1. Teaching modules or dry laboratories where no chemicals are used and with no hazardous materials on the bench a. Visual observation of models, arthropod, dry samples, specimens b. Handling insects during practical class c. Insectary and Aquarium husbandry d. Horticulture practical classes, cultivation of plants in cool houses and growth chambers e. Food preparation and processing (e.g. cooking, baking, packaging) 2. Activities where there is a physical safety barrier or safety distance from other hazardous activities or substances in the laboratory a. Data processing/data analysis/administrative work b. Work in control room during wind tunnel testing c. Observe specimens through closed glass jars 3. Use of equipment that does not involve hazardous substances or projectiles a. testing equipment (Skid tester, Strain gauge, rebar locator, pull off tester, shmid-rebound-hammer, slip resistance tester and tilt tester) b. Conducting measurement (thermal conductivity measurement, surface temp measurement, inverse sq and cos measurement, sound measurement) 4. Use of equipment where solid samples are handled a. Low temperature scanning tunnelling microscope b. Electron spectroscopy c. Secondary Ion mass spectroscopy d. Molecular beam epitaxy e. Atomic force microscopy f. X-ray photoelectron microscopy g. High energy electron energy loss spectroscopy h. Scanning electron microscope i. Transmission electron microscope j. Scanning transmission electron microscope *Note: for declaration of the above pre-approved activities / situations where eye protection is exempted, OSHE may conduct a verification check. The exemption will be void if the guiding principles for the approval of eye protection exemption is not fulfilled.*	1. Conducting experiments in biological safety cabinet and fumehood 2. Conducting experiments in virus and bacteria room, cell culture room or using of the dark room to develop film for western blot 3. When operating the following equipment a. Centrifuge b. pressure cooker c. oven d. automated stainer e. cryostat f. Vibratome g. Sonicator h. Nuclear Magnetic Resonance i. HPLC 4. Experiments involving the following types of molecular and cell biology research a. preparing biological samples b. gel electrophoresis c. gel shaking d. fluorescence measurement e. western blotting f. cell and tissue culture g. Polymerase chain reaction h. Molecular cloning i. Pipette small amount of solutions j. embed fomalin fixed tissues into paraffin blocks 5. Conducting FTIR experiment, physical impact testing (compression test) 6. Data analysis work beside GC and GC-MS machines 7. Activities involves the transfer of chemicals for storage and for waste disposal

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