

A LIST OF DISCIPLINES WHERE HARMFUL, ARDUOUS OR HEALTH RISK FACTORS ARE PRESENT DURING THE IMPLEMENTATION OF THE EDUCATIONAL PROGRAM AND INDIVIDUAL RESEARCH PLAN

Discipline of science / the arts	Harmful, arduous or health risk factors
Biotechnology	working at a computer, bacteria, fungi, volatile organic solvents, acids, bases
Information and communication technology	working at a screen monitor for over 4 hours a day
Materials engineering	working at a screen monitor for over 4 hours a day
Mathematics	working at a screen monitor for over 4 hours a day
Biological sciences	computer work, bacteria, fungi, contact with plant allergens, volatile organic solvents, acids, alkalis, ultraviolet radiation (UV), excessive lighting, Lyme disease
Physical sciences	working at a screen monitor for more than 4 hours a day, working in a laboratory, working with chemical reagents and organic and inorganic compounds used in spectroscopic measurements
Medical sciences	Ultraviolet radiation (UV), infrared radiation (IR), laser radiation, electromagnetic radiation (EM), ultrasound (Udz), mechanical vibrations, hazards related to the operation of monitor screens, excessive/insufficient lighting, parasite eggs and cysts, hepatitis B virus (HBV) and hepatitis C virus (HCV), human immunodeficiency virus (HIV), mycobacterium tuberculosis, toxoplasma gondii, borrelia burgdorferi, molds and other sensitizing molds, other nosocomial infections, inorganic acids and bases, organic acids and bases, formaldehyde, chromates, aromatic amines, higher alcohols and aldehydes, paraformaldehyde, fully denatured ethyl alcohol, concentrated acids, sodium hypochlorite, buffered formalin, infectious agents, X-ray radiation (angiograph), chloride triphenyltetrazolium
Health sciences	Biological factors (contact with potentially infectious material transmitted via airborne and bloodborne routes; including hepatitis B/C viruses, HIV, varicella/shingles virus, influenza virus, tuberculosis bacillus), chemical factors (disinfection/sterilization agents and fluids, drugs, anesthetic gases; allergens – including latex and chrome), physical factors (ionizing and non-ionizing radiation: UV, IR, laser, electromagnetic field; ultrasound; paraffin vapors), biomechanical/ergonomic loads (forced body positions, lifting, increased physical effort), psychosocial and perceptual factors (emotional load, perceptual overload or underload) and workplace nuisances (working at a screen monitor/operating a computer)
Agriculture and horticulture	work in the laboratory, work with chemical reagents and organic and inorganic compounds commonly used and employed in teaching activities, work at a computer, contact with animals and material of animal origin, contact with allergens of plant origin and microorganisms
Fine arts and art conservation	turpentine, white spirit, benzene, nitric acid, forced body position (standing)
Food and nutrition technology	working with chemical reagents of inorganic and organic compounds approved for general use and used in teaching activities, working with material of animal origin, microorganisms, organic acids and bases, inorganic acids and bases, working at a computer, allergens of plant origin