

Summer Sustainability Scholarship: Chemical-free Cleaning products

Supervisor: Keith Baronian

Aim

To compare current cleaning practices at the University of Canterbury with an 'eco-friendly cleaning system'.

Study to include:

1. Review of chemical-free cleaning and eco-chemical cleaning systems; international and NZ case-studies, research reports etc.
2.
 - a. Microbiological assessment of the control capabilities of the current cleaning system and the Chemical Free cleaning system.
 - b. Assessment of the physical cleaning effectiveness of each cleaning system.
 - c. Assessment of the usability of both cleaning systems; time, ease of use etc.
3. Analysis of the Implementation of a chemical-free cleaning regime including, numbers of cloths etc needed for whole campus, cleaning the cloths, which products for which areas, any areas for which the system would not be appropriate, changes required for cleaners, advantages and disadvantages, lifecycle costs of chemical-free cleaning including purchasing costs, durability, maintenance costs, replacement times etc. vs. the current cleaning regime.
4. Recommendations.

Ideal student:

300 level microbiology student, with good communication skills.