

001-2-5010 Groundwater Microbiology

Weekly Lecture Hours	Exercise	Laboratory	Field Trip
2			

Prerequisite: Environmental Microbiology course

Learning outcome:

The course will give the students an understanding of the impact of microorganisms on the groundwater environment and the subsurface environment. At the end of the course, the students expect to know on the following:

1. The extension of the biosphere into deep terrestrial and marine subsurface;
2. The abundance and diversity of natural microbial populations in these environments;
3. The effect of the physical structure of an aquifer and subsurface on the abundance and activity of microbial populations;
4. The effect of microorganisms on water quality and remediation and
5. The impact of microorganisms on groundwater production

Course structure:

Frontal lectures and discussion on reading assignments and oral presentation of selected topics in class

Text: Will be provided during lectures.

2 credits