

Type of integrating experience:

**Instrumentation and Environmental Observation**

Description of integrating experience:

This integrating experience focuses on the identification and application of the environmental health measuring instruments to analyze water, air and food quality, compost and waste.

This starts with an introductory class about the instruments and their use for measuring environmental health

The students are divided into small groups for conducting a survey and environmental observation in predetermined places.

They have to do a complete set of environmental measurements which comprise of biological, physical and chemical analysis, and conduct a community health survey.

The results have to be critically analyzed and compared with the environmental national regulations.

Each group has to present their project to the class.

Core /elective or optional

Elective:

Instrumentation and Environmental Observation (LKM314)

Number of SKS credits allocated	Student's workload in hours	Contact work hours	Self-study work hours
3 SKS	136	40	96

Learning competences / objectives:

On successful completion of this integrating experience students will be able to:

1. Define the environmental health measuring instruments
2. Explain the procedures of environmental health measurements
3. Use the instruments accurately to get reliable results
4. Do a health environmental analysis
5. Do a community health survey
6. Analyze and compare the results of the measurement with the national regulations
7. Analyze the impact of the environment on the community health status

Assessments used:

Assessment consists of two parts:

1. Grading of the presentation (30%)
2. A study case is used to assess the students' ability to demonstrate the appropriate environmental procedure and critically analyze and compare the results with the community health status and national regulations (70%)

	Number of weeks	Week number
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Weeks required and place in academic calendar:  Campus and Out of campus 02/2020 - 05/2020	16	17-32
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