

Georg-August-University Göttingen

Master Program „Crop Protection“

Modul M.Cp.0019 Basic Laboratory Techniques

**Contents, Objectives**

**Contents:** The practical includes laboratory safety, planning and recording of experiments, chemical calculations (concentrations in media and buffer), sterilization techniques, working in sterile conditions, pH, photometry, ELISA, PCR, preparation of experiments and writing protocols. Students learn to plan and execute safely experiments, to explain and use methods and equipment effectively.

**Objectives:** Students will get prepared for practical research, including basic chemical and microbiological techniques as well as responsible behaviour in the laboratory and operating of machines

3 C/2 H PER SW

Practical

Examination: Presentation (15 minutes) and written summary of a scientific topic, based on literature study (3 pages), participation in discussion

Examination: Written test 45 min

**Type of module:** Compulsory module

**Entrance requirements** None

**Frequency** Winterr

**Duration** One semester

**Language** English

**Number of students** 10

**Coordinators**

Dr. Anke Sirrenberg