

SYLLABUS and GRADING in PHYS227

Laboratory Course in Instrumentation and Process Control (Laboratoriekurs i instrumentering og prosessregulering)

SPRING SEMESTER 2018

- **Laboratory assignments**

All the laboratory assignments including the theory described therein:

- Assignment #1 : *Introduction to computerized instrumentation*
- Assignment #2 : *First and second order system response*
- Assignment #3 : *Calibration*
- Assignment #4 : *Flow instrumentation*
- Assignment #5 : *Introduction to control systems design*
- Assignment #6 : *Level control*

- **PHYS227 Laboratory Compendium**

- **John P. Bentley:**

”Principles of measurement systems” 4th edition:

* Chapter 12 - Flow measurement systems

* Chapter 16.4.4 – Ultrasonic transit time flowmeter

Grading

The grading of the course is based on the following:

- Oral examination: 100%