**Physical chemistry. laboratory practice for Erasmus students(BKE1211)**

**SUBJECTS AND REQUIREMENTS**

**Full time training**

|  |  |  |
| --- | --- | --- |
| **Hét** | **A gyakorlat témakörei** | **Megjegyzés** |
| **1** | Introduction to laboratory practice. Occupational safety and fire protection education. Preparation of lab notes |  |
| **3** | Spectrophotometric determination of the dissociation constant of an acidbase indicator |  |
| **4** | Potentiometric measurement of pH. Titration of strong acid and weak acid |  |
| **5** | Kinetics of the Persulfate-iodide Clock Reaction |  |
| **6** | Determination of dissociation constant of a weak acid by conductometry |  |
| **7** | Determination of sugar inversion rate constant by polarimetric measurement |  |
| **8** | Calculation and discussion of results. Evaluation of the semester |  |

**Követelmények:**

|  |  |
| --- | --- |
| Requirements for participation in the laboratory practice: | Participation in the laboratory practice is mandatory |
| Fulfilling the requirements of the semester: | Continuous recording of laboratory notes, presentation and evaluation of performed experiments.. |
| Credits | 2 |
| Method to create the tem mark: | max. 100 points are available, consisting of the following points:  checking the labnote: 50 points  presentation and evaluation of the experiments: 50 points  0-49 points: fail (1)  50-59 points: pass (2)  60-79 points satisfactory (3)  80-89 points: good(4)  90-100 points: excellent (5) |
| Ajánlott irodalom: | Fizikai-kémiai laboratóriumi gyakorlatok, Tankönyvkiadó, Budapest, 1981.  Hargitainé dr. Tóth Ágnes, dr. Rácz László: Általános és fizikai kémiai gyakorlatok, Tankönyvkiadó, Budapest, 1981. (the description of the actual practice is translated into English) |
| Ajánlott weboldalak: |  |