

## Tárgytematika / Course Description Introduction to Chemistry

**MENB\_ÉTTA004**

**Tárgyfelelős neve /**

**Teacher's name:** dr. Nagy Ágnes

**Félév / Semester:** 2024/25/2

**Beszámolási forma /**

**Assesment:** Vizsga

**Tárgy heti óraszám /**

**Teaching hours(week):** 0/1/0

**Tárgy féléves óraszám /**

**Teaching hours(sem.):** 0/0/0

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### OKTATÁS CÉLJA / AIM OF THE COURSE

The aim of the course is for students to gain knowledge of basic chemical operations. Provide basic knowledge for learning higher level chemistry and technology courses.

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### TANTÁRGY TARTALMA / DESCRIPTION

1. week Prefixes, conversions, basic concepts
  2. week Nomenclature
  3. week Degree of oxidation
  4. week Simple chemical calculations
  5. week Tasks related to the preparation of solutions I.
  6. week Tasks related to the preparation of solutions II.
  7. week Gas laws
  8. week Stoichiometry
  9. week Chemical equilibria
  10. week pH calculation
  11. week Laws of dilute solutions
  12. week Thermodynamics
  13. week Reaction kinetics
  14. week Electrochemical calculations
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### SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

The course exam is a requirement: a written exam at the end of the semester

Signature: Participation in 50% of the course

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## **KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL**

Yates: Chemical calculations, CRC Press 2023

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## **AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL**