

## Tárgytematika / Course Description

### The Basics of Chemistry

MENB\_VKTA006

Tárgyfelelős neve /

Teacher's name: dr. Tóásó Gyula

Félév / Semester: 2020/21/1

Beszámolási forma /

Assesment: Vizsga

Tárgy heti óraszám /

Teaching hours(week): 2/2/0

Tárgy féléves óraszám /

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

### OKTATÁS CÉLJA / AIM OF THE COURSE

The primary objective is for the student to be able to take the specific skills and accomplishments described below and apply, translate, and extrapolate these thought processes to solving problems throughout life.

### TANTÁRGY TARTALMA / DESCRIPTION

1.hét	Introduction to chemistry, solving problems using scientific approach
2.hét	Measurements and calculations: SI units, derived units, scientific notation, uncertainty, reporting measurements, converting one unit to another
3.hét	Matter and energy
4.hét	Elements, atoms, ions, nomenclature of compounds
5.hét	Periodic table
6.hét	Atomic mass, mole, molar mass, percent composition and formulas
7.hét	Chemical equations
8.hét	Reactions
9.hét	Modern atomic theory
10.hét	The atom and electron configuration, oxidation number
11.hét	Chemical bonding, Lewis structures
12.hét	Gases, Gas Laws
13.hét	Solids
14.hét	Liquids and chemistry of water, acid and base

## **SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD**

The exam is the form of final control for the discipline "The Basics of Chemistry" studying. Students, who completed all types of activities provided by the syllabus, attended all practical classes.

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### **KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL**

The Basics of Chemistry Richard Myers  
<https://www.mobt3ath.com/uplode/book/book-22261.pdf>

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