Level: PhD  
Course title: Selected chapters of the history of chemistry        DMH602H1  
Status: elective  
ECTS: 15  
Requirements: none  

Learning objectives  
Understanding the role of chemistry within the natural and exact sciences. Development of scientific and philosophical thought of chemists with multidisciplinary and interdisciplinary character.

Learning outcomes  
Systematic knowledge of inventions and theories that have established chemistry as a natural and exact science.

Syllabus  
*Theoretical instruction:* Research methods in the history of chemistry.  
- Knowledge sources in the history of chemistry.  
- Chemical aspects of material culture.  
- Contributions of auxiliary branches of historical sciences, paleogeography and paleoclimatology to the research in the history of chemistry.  
- Origins of chemistry in ancient times.  
- Chemistry in the middle ages (the age of alchemy).  
- Chemistry of a new era and scientific chemistry.  
- Modern chemistry sources: the contribution of differentiation and integration of scientific disciplines to the chemistry development.  
- History of chemistry of some European nations and some European countries.  
- Biographies of the famous chemists.  
- Contribution of the major scientific discoveries to the development of chemistry.  
- History and development of famous chemical, educational and research institutions.  
- Chemistry Laureates.  
- History and development of chemical publications and editions.  
- History and development (international, national and local) chemical companies and associations.  

*Practical instruction:*  

Weekly teaching load  
<table>
<thead>
<tr>
<th>Lectures: 5</th>
<th>Exercises:</th>
<th>Other forms of teaching:</th>
<th>Student research: 5</th>
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</table>

Other: