

Course title: Selected chapters of the history of chemistry			
Lecturer: Tibor Halaši			
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 <i>Theoretical instruction:</i> Research methods in the history of chemistry. <ul style="list-style-type: none"> - 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. 			
Suggested literature: <ol style="list-style-type: none"> 1. Грденић, Д (2001): Повијест Хемије, Нови либер, Школска књига, Загреб. 2. Bugge, G (1974): Das Buch der grossen Chemiker, Band I, II, Verlag Chemie GmbH, Weinheim. 3. Balázs, L. (1996): A kémia története I,II. Nemzetközi tankönyvkiadó, Budapest. 4. Weeks, M.E., Leicester, H.M. (1968): Discovery of the Elements, 7th Edition, Publ. by Journal of Chemical Education, Easton, Pa. Leicester, H.M. (1961): The Historical Background of Chemistry, John Wiley and Sons, New York.			
Weekly teaching load			Other:
Lectures: 5	Exercises:	Other forms of teaching:	
Teaching methodology Lectures, seminars, consultations, and referral work in the data center, a Roman work.			
Grading (maximal number of points 100)			
Practical teaching 20 points, Seminar 20 points, Oral exam 60 points			