





za uspešno aplikativno in osnovno raziskovalno delo.	research or applicative work in this area of science.
<u>Refleksija</u> Študenti spoznajo tesno povezanost med strukturo in lastnostmi polimernih snovi in med teorijo in eksperimentom.	<u>Analysis</u> Students become aware of the connection between the structure of macromolecule and its properties in solution. The knowledge allows them to correlate theory and experiment.
<u>Prenosljive spretnosti</u> Sposobnost zaznavanja in reševanja problemov, ki zadevajo makromolekularne sistema. Sposobnost samostojnega študija in poročanja o svojem delu in rezultatih.	<u>Skill-transference Ability</u> The ability of problem-solving in chemistry. The experimental methods, used to study macromolecules in solution, can be applied in other areas of research. Increased capability of individual study and presentation of the results in form of the oral and written report.

<b>Metode poučevanja in učenja:</b>	<b>Learning and Teaching Methods:</b>
Predavanja in seminarji	Lectures and seminars.
<b>Načini ocenjevanja:</b>	<b>Assessment:</b>
Ustni in pisni izpit	Oral and written exam

<b>Reference nosilca / Lecturer's references:</b>
<ul style="list-style-type: none"> <li>- LUKŠIČ, Miha, ČIČINA, Matjaž, VLACHY, Vojko, DRUCHOK, M. Isothermal titration calorimetry and molecular dynamics study of ion-selectivity in mixtures of hydrophobic polyelectrolytes with sodium halides in water. PCCP. Physical chemistry chemical physics, 2012, 14 (6), 2024-2031</li> <li>- LUKŠIČ, Miha, ČIČINA, Matjaž, VLACHY, Vojko, HRIBAR, Barbara. Dielectric relaxation spectroscopy of aliphatic ionene bromides and fluorides in water: the role of the polyion's charge density and the nature of the counterions. Macromolecules, 2009, 42 (12), 4337-4342</li> <li>- RODIČ, Peter, BRATUŠ, Marsel, LUKŠIČ, Miha, VLACHY, Vojko, HRIBAR, Barbara. Influence of the hydrophobic groups and the nature of counterions on ion-binding in aliphatic ionene solutions. Colloids and surfaces. A, Physicochemical and Engineering Aspects, 2013, 424 (1), 18-25.</li> </ul>