

<u>Refleksija</u> Študent bo na seminarjih analiziral izbrano temo, pri čemer bo uporabil principe trajnostnega razvoja za iskanje rešitev konkretnih problemov.	<u>Analysis</u> Each student analyses a selected topic chosen at seminars and be able to understand and use principles of sustainable development in the specific problem.
<u>Prenosljive spretnosti</u> Sposobnost uporabe domačih in tujih virov literature in baz podatkov, interpretacije in prikaza podatkov, kritična presoja in delo v skupini.	<u>Skill-transference Ability</u> Ability of usage the literature data, interpretation of data, critical analysis of texts relating the topics and team work.

Metode poučevanja in učenja:

Predmet se izvaja v obliki projektne dela. Študenti izberejo določeno temo, identificirajo ključne probleme ter poiščejo in predlagajo rešitve. Hkrati nekatere primere spoznajo tudi v praksi.

Learning and Teaching Methods:

Project work. Each student chooses a specific topic related with the sustainable development (sustainable chemistry), identifies the key problems and suggests the possible solutions. Oral presentation and discussion.

Načini ocenjevanja:

Delež (v %) /
Weight (in %)

Assessment:

Seminarjska naloga (20 %) Izvedba in predstavitev eksperimentalnega projekta (20 %) Pisni izpit (60 %) Skupna ocena mora biti 6 ali več		Seminar project (20%) Realisation and presentation of Experimental project (20%) Written exam (60 %) Total mark 6 or more
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Reference nosilca / Lecturer's references:

- VODIŠEK, Nives, RAMANUJACHARY, Kandalam, BREZOVÁ, Vlasta, LAVRENČIČ ŠTANGAR, Urška. Transparent titania-zirconia-silica thin films for self-cleaning and photocatalytic applications. Catal. Today 287 (2017) 142-147.
- CARRARO, Giorgio, MACCATO, Chiara, GASPAROTTO, Alberto, WARWICK, Michael E. A., SADA, Cinzia, TURNER, Stuart, BAZZO, Antonio, ANDREU, Teresa, PLIEKHOVA, Olena, KORTE, Dorota, LAVRENČIČ ŠTANGAR, Urška, VAN TENDELOO, Gustaaf, MORANTE, Juan Ramón, BARRECA, Davide. Hematite-based nanocomposites for light-activated applications: synergistic role of TiO₂ and Au introduction. Solar Energy Mater. Solar Cells 159 (2017) 456-466.
- ŠULIGOJ, Andraž, LAVRENČIČ ŠTANGAR, Urška, RISTIĆ, Alenka, MAZAJ, Matjaž, VERHOVŠEK, Dejan, NOVAK TUŠAR, Nataša: TiO₂-SiO₂ films from organic-free colloidal TiO₂ anatase nanoparticles as photocatalyst for removal of volatile organic compounds from indoor air. Appl. Catal. B Environ. 184 (2016) 119-131.