

[NTF](#) › [OGRO](#) › [Study](#) › [Doctoral Degree](#) › [Materials Science and Engineering](#) › [Lecturers of the courses and mentors](#)

#### LIST OF OPTIONAL COURSES AND LECTURERS+

1. Solid matter physics (Prof. Peter Prelovšek, DrSc)
2. Thermodynamics of materials (Prof. Primož Zihlerl, DrSc)
3. Solid state chemistry (Assoc. Prof. Romana Cerc Korošec, DrSc)
4. Physical metallurgy (Prof. Boštjan Markoli, DrSc)
5. Constitution of multi-component alloy systems (Prof. Boštjan Markoli, DrSc)
6. Physics and chemistry of surfaces (Prof. Janez Kovač, DrSc)
7. Spectroscopy of materials (Prof. Janez Dolinšek, DrSc)
8. Microscopy of materials (Prof. Janez Dolinšek, DrSc)
9. Elastomechanics of materials (Prof. Primož Zihlerl, DrSc)
10. M5 – Modelling of processes (Prof. Tomaž Rodič, DrSc)
11. Functional materials (Prof. Janez Dolinšek, DrSc)
12. Nanomaterials (Assoc. Prof. Marjan Marinšek, DrSc)
13. Ceramic materials (Assist. Prof. Boštjan Genorio, DrSc)
14. Polymeric materials (Prof. Urška Šebenik, DrSc)
15. Selection of materials for engineering applications (Prof. Miran Gaberšček, DrSc)
16. Production and characterization of materials ( Prof. Milan Bizjak, DrSc)
17. Heterogeneous equilibria in process engineering of metallic materials (Prof. Jožef Medved, DrSc, Assist. Prof, Maja Vončina, DrSc)
18. Slags and fluxes (Assist. Prof. Matjaž Kanp, DrSc)
19. Solidification of metallic melts (Prof. Primož Mrvar, DrSc)
20. Metallurgy of steel and metals (Assist. Prof. Matjaž Kanp, DrSc)
21. Process engineering – forming and casting (Prof. Primož Mrvar, DrSc, Prof. Goran Kugler, DrSc)
22. Heat transfer in materials engineering (Prof. Borut Kosec, DrSc)
23. Mineral dressing and mineral processing (Assoc. Prof. Jože Kortnik, DrSc)
24. Modern construction technologies and numerical modelling of underground structures (Assoc. Prof. Vojkan Jovičić, DrSc)
25. Modelling of coalmining methods (Assoc. Prof. Željko Vukelić, DrSc, Assist. Prof. Janez Rošer, DrSc)
26. Survey monitoring in geosciences (Prof. Andrej Gosar DrSc, Assist. Prof. Goran Vižintin, DrSc)
27. Methods of predicting changes in earth's crust (Prof. Andrej Gosar, DrSc, Assist. Prof. Goran Vižintin, DrSc)
28. Advanced methods of geothermal energy exploitation (Assoc. Prof. Željko Vukelić, DrSc)

#### LIST OF AVAILABLE MENTORS+

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 Institut Jožef Stefan  
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