



SVEUČILIŠTE U ZAGREBU
METALURŠKI FAKULTET

UNIVERSITY OF ZAGREB
FACULTY OF METALLURGY

GRADUATE UNIVERSITY STUDY PROGRAM METALLURGY

(from academic year 2017/2018)



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No.	Designation	LEARNING OUTCOMES AT THE PROGRAM LEVEL
1	Gen-01	Use the acquired theoretical knowledge in engineering practice.
2	Gen-02	Plan and manage the competences of analysis and synthesis.
3	Gen-03	Suggest new and improved technical and technological solutions.
4	Gen-04	Suggest appropriate methods for material quality analysis.
5	Gen-05	Analyse the development and application of new technologies.
6	Gen-06	Combine social, ethical and business principles and norms in the professional field.
7	Gen-07	Combine the skills necessary for lifelong learning, including continued professional training.
8	Gen-08	Analyse the production processes by applying thermodynamic laws.
9	Met-01	Recognize and apply scientific principles important in the field of metallurgy.
10	Met-02	Plan and manage metallurgical processes.
11	Met-03	Design professional elaborates and professional projects in metallurgy.
12	Met-04	Design the properties of metallic materials.
13	Met-05	Manage metallurgical production residues.
14	Met-06	Plan the production and casting processes of ferrous and non-ferrous metals.
15	Met-07	Analyse and combine metal forming processes.
16	Met-08	Compare the procedures of material treatment with microstructure and useful properties.
17	Met-09	Design and apply the modelling of metallurgical and other processes.
18	Met-10	Analyse the material and thermal balance of metallurgical processes.
19	Met-11	Suggest solutions for the optimization of metallurgical processes.
20	Met-12	Formulate and suggest measures for increasing energy efficiency.

