



The Faculty of Metallurgy is a constituent unit of the University of Zagreb (1) settled in the capital of Sisak – Moslavina County (2) of Republic of Croatia (3) – Sisak (4). The Faculty of Metallurgy is the only higher education institution in the Republic of Croatia active in the field of technical sciences with a specialty in metallurgy.

- 1: <http://www.unizg.hr/homepage/about-university/>
- 2: http://www.smz.hr/site_en/index.php
- 3: <http://www.hr/croatia>
- 4: <http://www.sisak.hr/>

The activities of the Faculty are: Scientific and educational activities in the field of technical sciences (metallurgy); Scientific and research activities in the field of metallurgy, chemical engineering and other technical and technological areas relevant to the field of metallurgy; Auxiliary scientific and research activities.

Pursuant to the Statute of the Faculty of Metallurgy, the Faculty is governed by the Dean and the Faculty Council. The Dean's Collegium helps and advises the Dean. The members of the Dean's Collegium are Vice-Deans, Chiefs of Departments, Faculty Secretary and Head of Accounting Office. The Vice-Dean for education and Vice-Dean for science and finance assist the Dean in his or her work.

The activities of the Faculty of Metallurgy are conducted in three Departments consisting of the total of seven Laboratories and one Chair, as well as the Secretariat.

Instruction of the **Department of Process Metallurgy** includes courses in technical chemistry, theoretical courses relevant to the field of metallurgy (e.g. Theory of metallurgical processes) and a series of specialist courses from the field of metallurgy, such as Metallurgy of iron and steel, Metals founding, etc. Scientific and research expertise includes the production of raw iron and steel, metal processing via founding, resistance of metals to various forms of corrosion, structure and properties of carbon material, extraction of metals from depleted raw materials and usage of waste and secondary products of metallurgical processes. An integral part of activities is related to specialist activities, especially in the field of metallographic testing for the needs of businesses. The constituent organizational units of the Department of Process Metallurgy are:

- Laboratory of Iron, Steel and Founding,
- Laboratory of Separation and Hydrometallurgy,
- Laboratory of Chemistry (basic, inorganic, physical).

Instruction of the **Department of Mechanical Metallurgy** includes courses in mechanical engineering, courses related to thermal technical processes, industrial equipment and furnaces, as well as courses from the field of metals processing via deformation, testing and control of metals materials. Scientific and research expertise includes research of heat transfer, testing of deformability of metals materials, numerical analyses, material testing, etc. The constituent organizational units of the Department of Mechanical Metallurgy are:

- Laboratory of Deformation Metal Processing,
- Laboratory of Thermal Technique and Mechanical Engineering

Instruction of the **Department of Physical Metallurgy** is related to courses in physics and mathematics, as well as subjects from the field of physical metallurgy (e.g. Physical Metallurgy, Thermal Dynamics of Alloys, Surface Processing, Techniques of Melding and Separation, etc.). Scientific and research expertise includes research of constitution and structure of alloys, production of complex alloys in the controlled laboratory conditions, testing of crystal structure of alloys by standard methods, thermal processing of metals materials, testing of hardenability by the Jominy method, thermal analyses (DTA, DSC, TGA), welding of metals by various procedures, etc. The constituent organizational units of the Department of Physical Metallurgy are:

- Laboratory of Physics and Structure Investigation
- Laboratory of Materials Development and Application
- Chair of Mathematics and Information Technology

The **Secretariat** conducts organizational, legal and personnel-related activities, activities related to students and public procurement, and coordinates the activities of its own organizational units. The activities and tasks of respective organizational units are listed in the Rules on internal organization and structure of positions at the Faculty of Metallurgy. The constituent organizational units of the Secretariat are:

- The Secretariat of the Faculty,
- The Dean's Office,
- The Students' Desk,
- Accounting Office,
- The Library,
- General and Technical Services.

The **Faculty Council** is an expert council of the Faculty. The Faculty Council consists of all employees with the scientific-educational status, one representative of the employees with the educational status, and one student representative for each year of undergraduate and graduate study respectively.

The main commissions at the Faculty are:

- Commission for teaching,
- Commission for science and finances,
- Commission for quality assurance and improvement,
- Ethics Commission,
- Board for the mimeographed notes and textbooks,
- Commission for students' works and awards.