

**UPC**  
 Universitat Politècnica de Catalunya · BarcelonaTech  
 Barcelona, Spain



## ABOUT

The UPC is a public institution dedicated to research and higher education.

At our schools and facilities in Barcelona Campuses, we engage in intense research activity and provide our students with an outstanding education.

We transfer technology and knowledge to companies and society and achieve highly recognised results. We are leaders in the transfer of knowledge to local industry and we strive to be an essential element of social progress and balance in the region.

The education we deliver is based on high standards, innovation, interdisciplinarity and internationalisation.

As a leading member of international networks of excellence, the UPC has a privileged relationship with global scientific and educational organisations. As a result, the University is at an advantage when it comes to attracting international talent.

## EXPERTISE

The UPC is a top-quality technical university that is responsible and committed to society and people and that is governed in a transparent, participatory and democratic manner. It is a keeper of knowledge and practice in architecture, engineering, mathematics, nautical studies, optics and physics, and has a humanistic and social base.

The specialisation of teachers and researchers in the Mining Department covers areas as varied as mineral processing, mining, engineering and geodetic mapping, photogrammetry, mining prospecting, mineralogy, petrology, palaeontology, applied chemistry, organic chemistry, analytical chemistry, chemical engineering and the environment. This plural specialisation allows the groups to carry out the execution of many different lines of research and collaboration agreements with companies. To carry out teaching and research, the Department has several facilities, such as laboratories, technical offices, museum, analytical instrumentation, pilot plants, and computer networks. Moreover, since its inception, the Department has encouraged collaboration with other universities, both in the country and abroad, with industry and government.

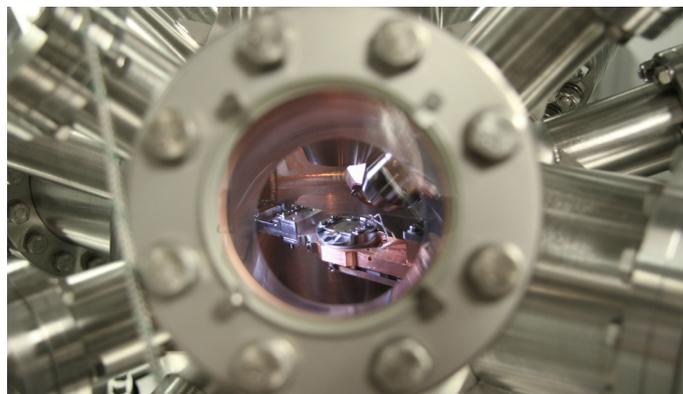
## FACILITIES & SERVICES

The UPC makes available to enterprise, research groups of the university and other public and private institutions and research centres, the scientific and technical services of the UPC to support your research and innovation. Users with science and technology needs can search for the equipment and services (798) that best meet their needs.

### Services:

Atomic absorption spectrometer, Coating analyser, Confocal laser microscope, Cylinder crusher, Dissolution tester, Electric furnace, FTIR spectroscopy, Flame photometer, Flotation cell, Gas chromatograph, Gas chromatograph and mass spectrometer, Grinding mill, Hardness tester, High magnification optical microscope, High-Velocity Oxy-Fuel Thermal Spray equipment for coating manufacturing, Hydraulic universal testing machine, In vitro cell behaviour testing, Induction furnace, Infrared spectrometer, Ion chromatograph, Jaw crusher, Low pressure plasma system, Microhardness tester, Microindentation hardness testers, Optical microscope, Pin-on-disk tribometer, Potentiostat, Profilometer, Petrographic microscope, Resistivity tester, Seismograph, Resonance fatigue testing machine, Salt fog chamber, Scanning electron microscope (SEM), Sieve, Stereographic aerial pictures Plotter (photogravimetry), Tabletop electron microscope, Topographic station, Ultraviolet and visible spectrometer (UV / VIS), Vibrating table, X-ray photoelectron spectroscopy, etc.

More information: <https://www.upc.edu/sct/en/>



## MORE INFORMATION

Website: [www.upc.edu](http://www.upc.edu)

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