

Thin section lab

In this laboratory, preparations are made from rocks, powders, grains of sand, minerals and fossils.

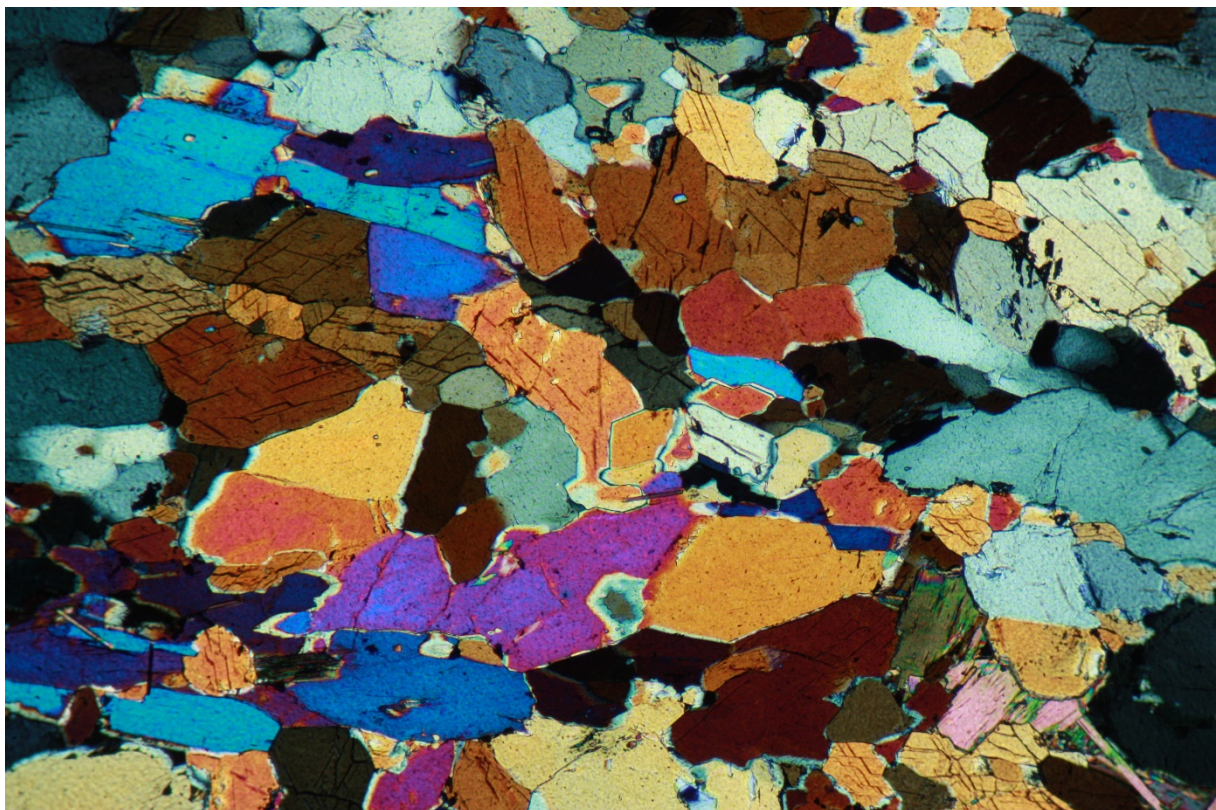
Thin sections constitute most of the production. A finished slide consists of a 30 μm thick rock sample mounted on glass. See picture (Thin section prod) for the production line.

When rocks become this thin, most minerals will become transparent and let light through. Using a polarizing microscope, it is possible to determine the minerals based on their optical properties. Textures and mineral orientation can also be studied. Pictures Thin section 1 and 2.

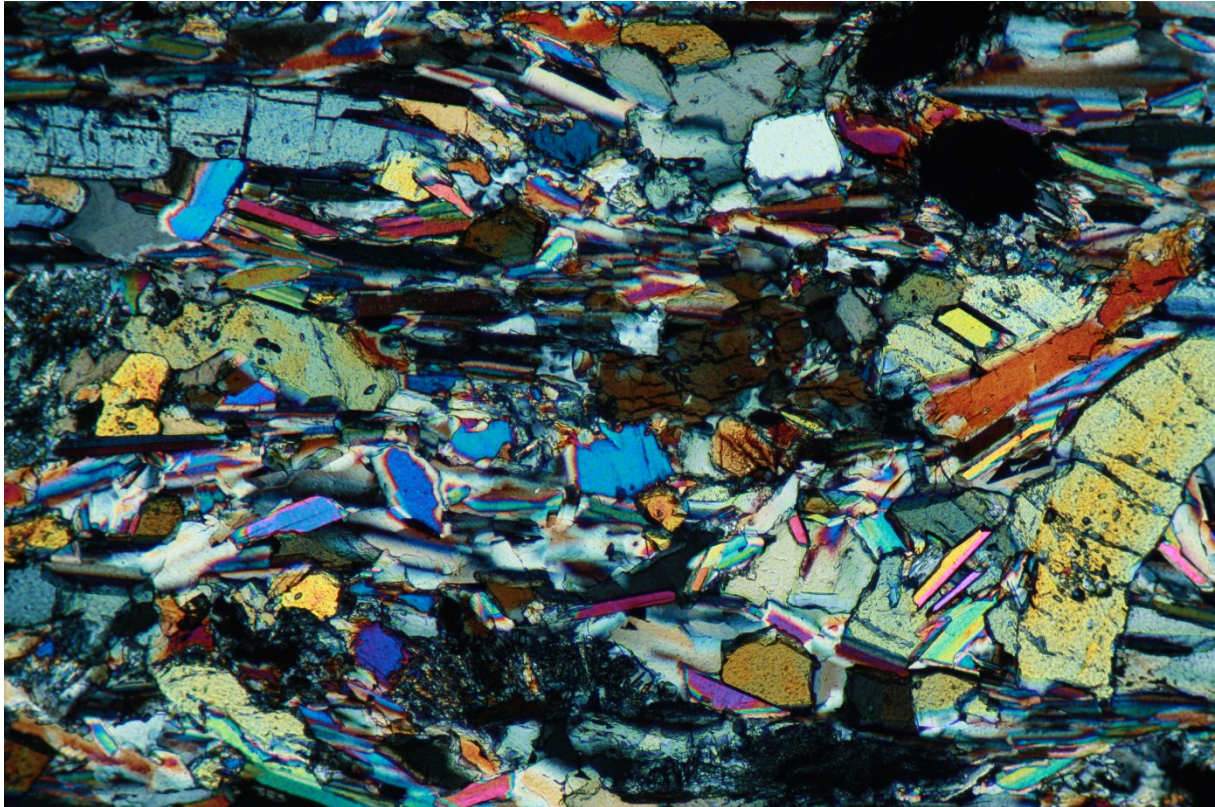
The further objective will be to use this information to say something about the conditions that were present during the formation. This can include pressure and temperature conditions in addition to the rock's deformation history.



Production line.



Thin section 1



Thin section 2



Thin section lab (photo: Kai Mortensen)



Polishing lab (photo: Kai Mortensen)