

CURSO DE POSGRADO

El rol de las divisorias térmicas en la evolución de las series y las clasificaciones

Docente: Dr Eugenio Aragón

Duración: 25 horas, distribuidos en tres días

Programa:

Primer día:

Magma y minerales petrogenéticos; feldespatos, plagioclasas, olivinas, piroxenos, minerales accesorios. Equilibrio sólido-líquido. Respuesta al incremento de presión, fugacidad de oxígeno y presión de agua.

Segundo día:

Curvas cotécticas, peritécticas y altos térmicos. Sistemas complejos de tres y cuatro componentes. Diagramas de fases de Ne-Si-Ol-Di, Ne-Si-Ol-An, An-Si-Ol-Di, Ne-An-Ol-Di, Ab-An-Ol-Di.

Tercer día:

Diagramas de clasificación TAS y R1-R2, proyección de los diagramas de equilibrio en los diagramas de clasificación. Efecto de los altos térmicos en los diagramas de clasificación. Zona de transicionalidad.

Conclusiones petrogenéticas a partir del TAS.

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