



## Course Units

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### **Argilas Curativas : Identificação e caracterização** **Healing minerals : Identification and characterisation, advanced clay for health**

#### **Contents**

Mineralogical composition (XRD, SEM). Chemical composition (XRF, AAS, SEM-EDAX). Grain size distribution by X-ray absorption (Sedigraph). Maturation. Certification and normalization. Quality control. Prototype maturation plant. Microalgae development during maturation and physiologic effect of thermal muds.

#### **Learning outcomes**

With this course the student becomes familiar with the fundamental characteristics that clay minerals must possess for use in health and wellness (including hot springs cases); preparation of thermal mineral-water mixtures; essential characteristics; maturation.

#### **Horary**

2TP+2P per week (total 56 h)

#### **Teachers**

Fernando Rocha, Eduardo Silva, Ana Quintela

#### **ECTS delivered**

6 ECTS

#### **Evaluation**

50% written exam; 50% exercises