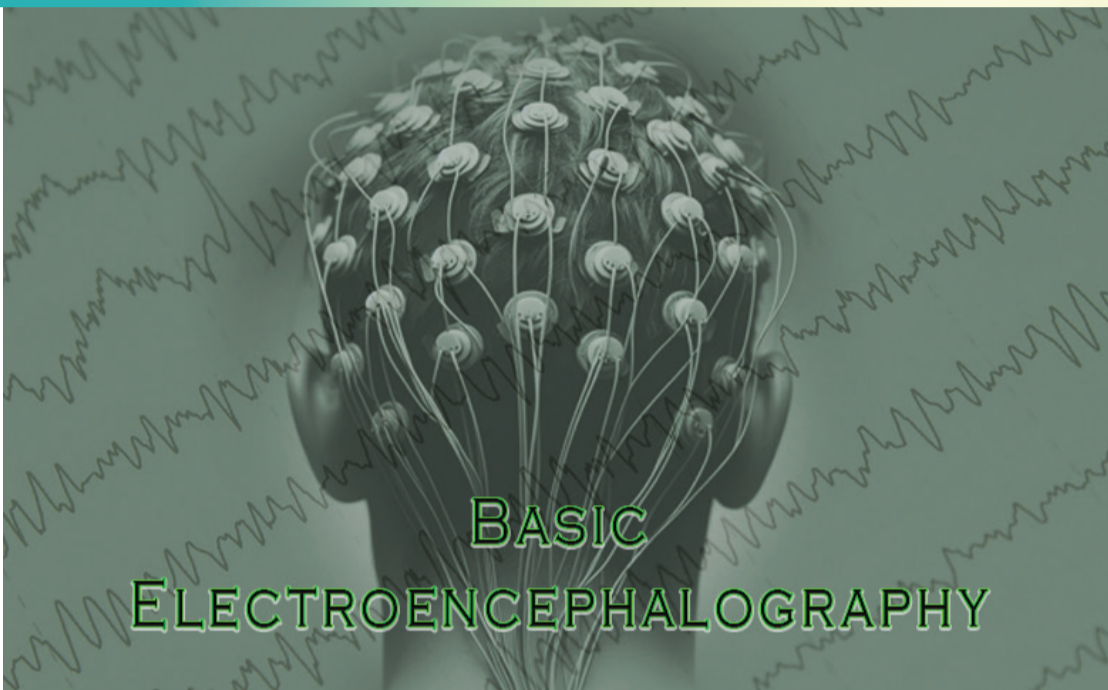




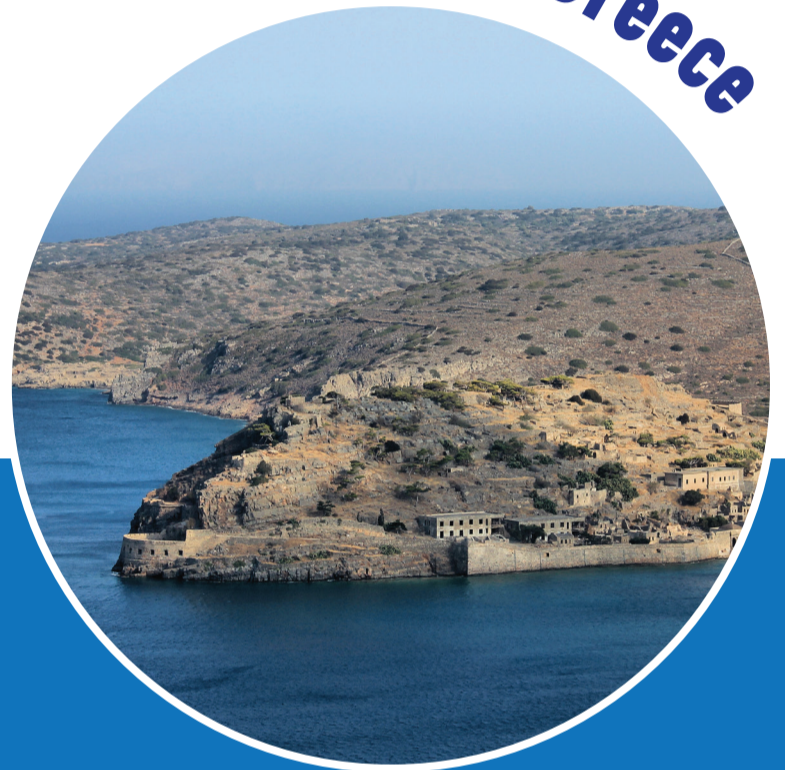
ΠΑΝΕΠΙΣΤΗΜΙΟ ΚΡΗΤΗΣ
UNIVERSITY OF CRETE

SUMMER
SCHOOLS

ELECTROENCEPHALOGRAPHY COURSE



Crete - Greece



24-29 JUNE 2024

<https://welcome.uoc.gr/2024/03/14/basic-electroencephalography-course/>

Scientific coordinator:

Ioannis Karakis, MD, PhD, MSc

Coordinating Department / Laboratory: Neurology

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Institutions:

University of Crete, in collaboration with:

Yale University

Northwestern University

Rush University

Emory University

Washington University

St. Louis University,

George Washington University

University of Pittsburgh

University of South Florida

Neurotech Foundation

In collaboration with 10 academic institutions in the United States, this hybrid (in-person and via zoom) course will review the basics in electroencephalography (EEG) across the age spectrum. It will include the fundamental tenets of signal generation, technical considerations of signal acquisition, types of EEG recordings and reporting standards. Normal EEG examples and their variants across various age groups will be presented and contrasted with artifacts. Both non epileptiform and epileptiform abnormalities will be demonstrated and their relationship with underlying neurologic disorders will be discussed. The applications of EEG in the epilepsy monitoring unit (EMU), intensive care unit (ICU), intracranial monitoring service (ICM) and operative room (OR) will be reviewed. The course will include hands-on workshop by registered EEG technicians on the application of EEG electrodes and hands-on review session of EEG cases to complement the formal lectures. Students will also rotate through the EEG laboratory of the University Hospital of Heraklion. There will be an optional welcome dinner on Tues 25 June evening and an optional excursion to the island of Spinalonga on Sat 29 June morning.