



UNIVERSITY OF CRETE

1977-78 { 40 } 2017-18
years

Summer Schools 2018



HERAKLION

- Medicine
- Mathematics & Applied Mathematics
- Chemistry
- Biology
- Computer Science

RETHYMNON

- Primary Education
- Economics
- Philology

www.uoc.gr

Dear Prospective Participants,

It is a great pleasure for us to introduce the University of Crete Summer Schools, one of the most popular Academic summer programs of the Mediterranean region. The Summer Schools are organized by the University of Crete and take place in both the University campuses of Heraklion and Rethymnon, on the island of Crete.

Investing in academic excellence constitutes a strategic goal of the University of Crete, along with the active promotion of mobility programs. The Faculty members of the University of Crete are very excited to offer talented young students from all over the world the opportunity to broaden their



scientific horizons and experiences. The UoC Summer Schools provide the students a unique opportunity to experience excellence in research and teaching, and gain a unique insight into university life. You will enjoy an international atmosphere, meeting people from all over the world, learning about different cultures and making friends on a truly international summer program.

The University of Crete Summer Schools are dynamically growing over the last years. We are proud of a summer program which offers young adults a chance to explore a variety of disciplines: Ancient Greek History, Archaeology, as well as Life Sciences, Arts and Humanities, Education, Chemistry, Medicine, Business and Social Sciences.

Our past summer experience has been absolutely wonderful, with students coming from all over the world and contributing to the Summer Schools in so many ways beyond the academic experience. Thus, we are very proud of the UoC summer schools performance so far, reflected in our students' excellent assessments. We will certainly take great care to ensure that we continue offering a truly unique and enjoyable experience to all.

The Summers Schools in Crete also offer a unique opportunity for the students, to combine educational courses with inspiring social activities, explore the Minoan and the modern Cretan civilizations, discover the spectacular scenery of Crete, join local cultural events and taste the traditional Cretan cuisine.

We look forward to welcoming you to the Summers Schools of the University of Crete next summer!

Sincerely yours,

Prof. George Sourvinos
Director of Summer Schools



Prof. Odysseas I. Zoras
Rector, University of Crete



Summer Schools - University of Crete 2018

HERAKLION



RETHYMNON



“ <http://www.heraklion.gr/en/visitor/welcome.html>

<https://www.rethymno.gr/en/city/welcome.html> ”

Director: Prof George Sourvinos,
Tel: +30 2810 394 835, e-mail: sourvino@med.uoc.gr

Secretary: Mrs Evgenia Skountaki,
Tel: +30 2810 393 180, e-mail: evgenia.skountaki@uoc.gr

Why choose the Summers Schools of the University of Crete

1 University Enrichment

Live in a young but well-established European university, experience excellence in research and teaching and gain a unique insight into university life. The University of Crete offers a vibrant social and intellectual environment for research and education.

2 Academic Excellence

It is a strategic choice of the University of Crete to invest in academic excellence and make an ongoing effort for a continuous improvement in all scientific fields. The international orientation of the University of Crete presents an outstanding track record of collaborations with many of the leading research and educational institutions in Europe and worldwide, as well as active promotion of mobility and exchange programs.

3 International Experience

At the University of Crete you can meet people from all over the world, learn about different cultures and make friends on a truly international summer program.

4 Personal Development

You can learn how to manage your own free time outside class, choosing among sports, sightseeing, shopping, and food tasting or just hanging out!

5 Exciting Social Life

You can combine our educational courses with brilliant activities and trips to the most famous places of Crete, explore ancient and modern Mediterranean civilizations, experience the local culture and traditions and discover the unique scenery of Crete.

MEDICAL SCHOOL

Summer School Title:
*Urology from A through Z:
Appliance in Primary Health
Care*

Course Director: Charalampos Mamoulakis

Time and Place:

July 30- August 3, 2018

Dept of Urology (Pa.G.N.I),
University of Crete, Medical School

Description:

General Urology – Primary Health Care

Summer School Title:
*Non-surgical management of common
musculoskeletal injuries:
Everything I need to know*

Course Director: Theodoros Tosoundis

Time and Place: 18-20 July 2018

School of Medicine – University of Crete
Univesity Hospital of Herakleion Crete

Description:

Education and training of doctors (general practitioners, orthopaedic surgeon, emergency medicine physicians), nurses, and other allied health professional (physiotherapists, paramedics) in the non-surgical management of the commonest musculoskeletal injuries.



Summer School Title: *Summer School of Clinical Immunology*

Course Director:

Chrysoula Perdikogianni

Time and Place:

July, 2-6 2018

University of Crete, Medical
School, Heraklion Crete

Description:

The summer school will cover a spectrum of topics in the field of Clinical Immunology. The programme is organised on 5 main modules: immunology of and susceptibility to infections, vaccine immunology, primary immunodeficiencies, autoimmune diseases from diagnosis to treatment and the new field of autoinflammatory diseases.

A system-based approach will be implemented, with emphasis on clinical approach, from theory to case studies. The programme is aimed primarily at undergraduate and graduate students of Medicine, Biology and relevant fields with interest in clinical aspects of Immunology.



MEDICAL SCHOOL

Summer School Title: *Vaccines*

Course Director: Emmanouil Galanakis

Time and Place: 09-13 July 2018
Heraklion, School of Medicine

Description:

Health Sciences, Public Health, Prevention, Epidemiology, Policies, Communication and Networking. Theory, Skills, and Social Aspects, Facts and Misconceptions

Summer School Title: *Aegean Summer School in Visual Optics*

Course Director: Ioannis Pallikaris

Time and Place: 7-9 July 2018
Heraklion, Crete (IBIS hotel)

Description: An international course organized since 2002 providing up-to-date knowledge in the field of Optics and Vision with application in ophthalmology and optometry.

Webpage: <http://www.ivo.gr/en/summerschool/summer-school.html>



Summer School Title:

Spinalonga 2018: Stigma in medicine-Old and New Concepts

Course Director:

Marianna Karamanou, Associate Professor of History of Medicine, Medical School, University of Crete

Time and Place:

9-12 July 2018

Elounda-Spinalonga

Description:

The study of the diseases which marked the social structures from antiquity to the present day as well as their interaction with society and the way of practicing medicine. The ultimate goal of summer school is to educate participants on issues related to the social stigma in medicine and to find ways to manage, tackle and eliminate it.



MATHEMATICS
& APPLIED
MATHEMATICS

Summer School

Title:
*Math Summer School for
children, 10-12 years old*

Course Director:

Georgios Kossioris, Professor, Department
of Mathematics and Applied Mathematics

Time and Place:

4-6 July 2018

Dept. of Mathematics & Applied Mathemat-
ics, University of Crete, Voutes Campus,
Heraklion, Crete, Greece

Description:

The Department of Mathematics and Ap-
plied Mathematics of the University of Crete
along with the Heraklion and Lasithi Branches
of the Hellenic Mathematical Society organiz-
es a summer school in mathematics with
math and science games and other fun
activities for children 10-12 years
old.



Summer School Title:
Bioinspired Materials for Solar Energy Utilization

Course Director: Coutsolelos Athanassios

Time and Place: July 8 to 21, 2018, Heraklion

Description: One route to harvesting the energy of the sun involves learning to mimic natural photosynthesis. Here, sunlight falls on a porphyrin, one member of a family of molecules that includes the chlorophylls, which play a central role in capturing light and using its energy for photosynthesis in green plants. Efficient light-harvesting of the solar spectrum by porphyrins and related molecules can be used to power synthetic molecular assemblies and solid-state devices - applying the principles of photosynthesis to the production of hydrogen, methane, ethanol, and methanol from sunlight, water, and atmospheric carbon dioxide.

Website:
<http://www.chemistry.uoc.gr/bimasouti/>



BIOLOGY DEPARTMENT

Summer School Title:
*Care and use of laboratory
animals: mice, rats, zebrafish*

Course Director:
Michalis Pavlidis Professor of Biology -
Physiology of Marine Organisms.
Department of Biology, University of Crete

Time and Place:
June 04, 2018 – June 15, 2018
Department of Biology, UoC, Heraklion, Crete, Greece

Description:

The course through modern pedagogical and didactical approaches will offer to the participants a thorough understanding of the philosophical concepts and scientific principles in animal welfare and practical skills to conduct research with the use of laboratory animals (mice, rats & zebrafish).

Website: [https://labanimal-
course-crete.weebly.com/](https://labanimal-course-crete.weebly.com/)



Summer School Title:

Speech Processing Courses in Crete 2018

Course Director:

Professor Yannis Stylianou

Time and Place:

23-27 July 2018 Computer Science Department, Heraklion, Crete

Description:

The Speech Processing Courses in Crete (SPCC) are targeting to teach graduate students and researchers the latest advancements of speech processing covering theory, hands on, and establishing contacts between the academics and industry.

Website: <http://spcc.csd.uoc.gr>

Summer School Title:

In country program "Modern Greek Studies"

Course Director:

Chatzidaki Aspasia

Time and Place:

July (three weeks program about 60 hours total)

Rethimno, University of Crete –Gallos Campus

Description:

Greek Language Lessons in Students learning greek as a Second or a foreign language

Website: http://www.flinders.edu.au/ehl/languages-studies/departmen-tal-sections/modern-greek/studying-abroad/studying-abroad_home.cfm



DEPARTMENT
OF ECONOMICS

Summer School Title:
*Advanced Summer School in
Economics and Econometrics*

Course Director:
Professor Vangelis Tzouvelekas

Time and Place:
15-22 July
Rethymnon

Description:

This course will introduce attendees to recent developments in semi- and nonparametric statistical and econometric methods. The emphasis will be on kernel-based approaches.

Website: www.assee.eu



Summer School Title:

*2nd Crete Summer School of Linguistics
[CreteLing2018]*

Course Director: Vina TSakali

Time and Place: 15-22: 16-27 July 2018
Rethymnon, University Campus

Description: The orientation of the Creteling summer school is towards human cognition, that is, the study of language as a function of the brain. The target audience of CreteLing are students in linguistics and related fields (e.g. computer science, cognitive science, neurolinguistics etc.) and research and faculty members from various universities.

Website:
<http://www.phl.uoc.gr/confs/cssl18/>

The programme includes introductory courses and advanced seminars in theoretical linguistics (syntax, semantics, morphology and phonology), sign language and animal communication. Overall, the programme includes 16 different courses to choose from, while the schedule is structured in five consecutive class slots every day, each of which contains three parallel sessions.

DEPARTMENT
OF PHILOLOGY



Summer Schools - University of Crete 2018

Graphic design: Anna Arkoulaki - University of Crete



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- **Director:** Prof George Sourvinos,
Tel: +30 2810 394 835, e-mail: sourvino@med.uoc.gr
- **Secretary:** Mrs Evgenia Skountaki,
Tel: +30 2810 393 180, e-mail: evgenia.skountaki@uoc.gr