



The Faculty of Engineering and Architecture of the University of Enna Kore

The Degree Course in Aerospace Engineering

in collaboration with

The department of Aerospace Engineering of the University of Naples Federico II

ISIS Arturo MALIGNANI Udine

with the patronage of

ENAC (Ente Nazionale Aviazione Civile)

present

“Principles of Aeronautics & Piloting Techniques”

3rd International Summer School

Enna – Caltanissetta August 30th - September 4th 2013

Introduction

Due to the great success of the first and second editions, the University of Enna Kore, with the collaboration of the Department of Industrial Engineering of the University of Naples “Federico II” and the ISIS Arturo MALIGNANI of Udine, presents the 3rd International Summer School in Principle of Aeronautics & Piloting Techniques. The course wants to provide basic knowledge relevant to the aeronautical engineering sciences and necessary to obtain the pilot license for ULM vehicles. The school activities provide both class lessons on the principle of Aerodynamics, Flight Mechanics, Aircraft Structures and Piloting techniques and in flight missions, allowing the students to practically experience the theoretical knowledge. The professors and the lecturers will come from the Universities, from the world of the pilots, and from the ENAC-Ente Nazionale Aviazione Civile. The flight missions are organized with the cooperation of the Avio Club Centro Sicilia “Walter Fonti”, flight school recognized by the AeroClub Italia. After a final verification test, the activities of the summer school lead to the acquisition of 2 formative credits that can be recognized for the academic study.

The accommodation facility is represented by the farm “La Fenice”, located in the proximity of the Airfield Centro Sicilia, and very close to the University of Enna “Kore”.



I.S.I.S.
“A. MALIGNANI”
UDINE



Didactic modules

- Principle of Aircraft Structures and Maintenance;
- Principles of Aerodynamics;
- Principles of Flight Mechanics;
- Principle of Piloting Techniques;
- Meteorology and Human Factor;
- Principles of Air Navigation and Systems.

Practical activities

- Flight missions;
- Pre-flight and post-flight check;
- Routine maintenance activities of the aircraft.

Proponents

- Faculty of Engineering and Architecture - University of Enna "Kore"
- Aerospace Engineering and Aeronautical Infrastructures Course- University of Enna "Kore"
- Department of Industrial Engineering – University of Naples "Federico II"
- ISIS Arturo MALIGNANI Udine

Patronage

- ENAC Ente Nazionale Aviazione Civile

Scientific Responsible and Coordinator

Prof. Giovanni Tesoriere *Kore University of Enna*

Scientific Committee

Prof. Giovanni Tesoriere *Kore University of Enna;*
Prof. Giuseppe Davì *University of Palermo;*
Prof. Leonardo Lecce *University of Naples;*
Prof. Alberto Milazzo *University of Palermo;*
Prof. Vito Riggio *ENAC (Ente Nazionale Aviazione Civile);*
Prof. Andrea Alaimo *Kore University of Enna;*
Prof. Davide Tumino *Kore University of Enna;*
Prof. Adele Marino *University of Messina;*

Teacher and Expert list

Prof. Giovanni Tesoriere	<i>Kore University of Enna;</i>
Prof. Leonardo Lecce	<i>University of Naples;</i>
Prof. Andrea Alaimo	<i>Kore University of Enna;</i>
Prof. Davide Tumino	<i>Kore University of Enna;</i>
Prof. Calogero Orlando	<i>Kore University of Enna;</i>
Eng. Augusto Fonti	<i>Avioclub "Walter Fonti;"</i>
Com. Massimiliano Linosa	<i>Civil aircraft pilot;</i>
Com. Francesco Leotta	<i>Civil aircraft pilot;</i>
Com. Dario Catalisano	<i>Civil aircraft pilot;</i>

Organizing Committee

Prof. Giovanni Tesoriere	<i>Kore University of Enna;</i>
Prof. Leonardo Lecce	<i>University of Naples;</i>
Prof. Andrea Alaimo	<i>Kore University of Enna;</i>
Prof. Calogero Orlando	<i>Kore University of Enna;</i>
Doct. Enrico Baldi	<i>Kore University of Enna;</i>
Eng. Augusto Fonti	<i>Avioclub "Walter Fonti;"</i>

Tutors

Eng. Alessandro Barracco	<i>Kore University of Enna;</i>
Eng. Flavio Trentacosti	<i>Kore University of Enna;</i>
Eng. Tiziana Campisi	<i>Kore University of Enna;</i>
Eng. Antonio Esposito	<i>Kore University of Enna;</i>

Places of works

- *Faculty of Engineering and Architecture - University of Enna "Kore"*
Enna, Italy
- *Avioclub Centro Sicilia "Walter Fonti"*
Caltanissetta, Italy

Duration and period

Six days from August 30th to September 4th 2013

Maximum number of participants

21 participants

Total hours activities

40 hours consisting of class lessons, workshop, flight mission and final verification test.

Starting date

August 30th at 9:30, Faculty of Engineering and Architecture - University of Enna "Kore"

Programme Details

August 30th

Faculty of Engineering and Architecture of Enna "Kore"

09:30 Welcome

Prof. Giovanni Tesoriere

Dean of the Faculty of Engineering and Architecture

University of Enna "Kore"

Prof. Cataldo Salerno

Chairman of University of Enna "Kore"

Prof. Gianni Puglisi

Rector of University of Enna "Kore"

Prof. Angelo Moceri

Chairman ERSU Enna

Prof. Andrea Alaimo

Introduction to the Summer School

11:00 Break

11:30 Keynote Lecture

13:30 Lunch

15:00 Keynote Lecture: *"Introduction to the Aeronautical Sciences"*

16:30 Keynote Lecture: *"Introduction to Flight"*

18:30 Transfer to the airfield "Walter Fonti" and accommodation at farmhouse "La Fenice"

20:30 Dinner

August 31th

Airfield "Walter Fonti"

08:30 Breakfast

09:30 Organization of working groups

10:00 Keynote Lecture: *"Aircraft Architecture"*

11:30 Keynote Lecture: *"Principles of Aerodynamics"*

- 13:30 Lunch
- 15:00 Keynote Lecture: *"Principles of flight mechanics"*
- 17:00 Keynote Lecture: *"Introduction to Piloting Technics"*
- 20:30 Dinner
- 21:30 Star Observation

1st September *Airfield "Walter Fonti"*

Group A

- 8:30 Breakfast
- 9:30 Keynote Lecture: *"The Weather Condition"*
- 11:00 Keynote Lecture: *"The principles of navigation and radio communications"*
- 13:30 Lunch
- 15:00 Workshop: *"Pre-flight check"*
- 15:30 Flying- lesson: *"The on-board instrumentation"*
"Maneuvers"
- 20:30 Dinner
- 22:30 Dancing night

Group B

- 8:30 Breakfast
- 9:30 Workshop: *"Pre-flight check"*
- 10:30 Flying-lesson: *"The on-board instrumentation"*
"Maneuvers"
- 13:30 Lunch
- 15:00 Keynote Lecture: *"The Weather"*
- 16:30 Keynote Lecture: *"The principles of navigation and radio communications"*
- 20:30 Dinner
- 22:30 Dancing night

September 2nd *Fontanarossa Airport*

- 08:30 Breakfast
- 09:30 Keynote Lecture: *"VFR/IFR Flight rules "*
- 11:30 Flying lesson
- 13:30 lunch
- 18:00 guided tour to Agrigento (Valley of the Temples)
- 20:30 Dinner
- 21:30 karaoke

September 3rd Airfield "Walter Fonti"

Group A

08:00 Breakfast

09:00 Workshop: *"Weather conditions and definition of the flight plan"*

10:00 Flying-Lesson: *"The driving traffic circuit"*

13:30 Lunch

15:00 Keynote Lecture: *"Piloting Techniques for commercial aircraft"*

17:00 Lezione frontale: *"Principles of aircraft design"*

21:00 Gala Dinner

Group B

8:00 Breakfast

9:00 Keynote lecture: *"Principles of aircraft design"*

11:00 Keynote Lecture: *"Piloting Techniques for commercial aircraft"*

13:30 Lunch

15:00 Workshop: *"Weather conditions and definition of the flight plan"*

16:00 Flying-Lesson: *"The driving traffic circuit"*

21:00 Gala Dinner

September 4th

8:00 Breakfast

9:00 Flying-Lesson:

11:00 Verification test

14:30 Transfer to the University of Enna Kore

15:30 Keynote lecture "Human Factor"

17:00 End of works

18:30 Depart Enna

Conditions for participation and admission requirements

The maximum number of students is set to 21.

The school is addressed to students coming from the Aerospace Engineering degrees course of the University of Enna "Kore", and to graduates and students of Aerospace and Mechanical Engineering courses coming from other National and International University.

Will be allowed with priority 4 participants coming from the University of Enna Kore, 4 participants coming from the University of Naples, 6 participants coming from ISIS A. MALIGNANI Udine, 4 participants coming from foreign Universities and 3 coming from other Italian Universities. The rank will be defined following the chronological order of submission of the application forms.

The outline of the application form with the list of required documents, in Italian and English, can be downloaded from the web site of the University of Enna Kore.

Rank

The selection of participants will be carried out according to a ranking compiled in chronological order of dispatch of documentation required.

The full list of successful candidates will be published on the website of the Faculty of Engineering and Architecture, University of Enna Kore by the date of July 15th 2013.

The list will be considered final after confirmation of payment of the fees or following any eventual notices of cancellation. In the latter case will be entitled to take over the candidates included after on the list then that will be notified by e-mail from the day July 30th 2013.

The list published on the website will be considered to all intents and purposes as official notification. The candidate will not receive future communications and he declare informed about the activities of registration and participation.

Participation fee and organization costs:

The cost for the participation fee is set at €450,00 (Four hundred fifty /00) and must be paid after having had the confirm on the position in the list published and before July 22nd, on the bank account of the Faculty of Engineering and Architecture, University of Enna Kore, which acts as a single expense centre.

The costs for registration, insurance, materials, local transport, stay, food and the issuance of Certificate, are included in the fee.

Details of bank account, make payments on which are:

Name: Università Kore di Enna – Facoltà di Ingegneria e Architettura

Bank: Banca Nuova

IBAN Code: IT47Y0513216800847570220353

Code SWIFT: BPVIT3T847

For payment shall be indicated as a cause:

"Fee for the Third International Summer School in Principle of Aeronautics & Piloting Techniques 2013".

Registration:

The outline of the application form, In Italian and English language, with the list of required documents can be downloaded from the website of Faculty of Engineering and Architecture, University of Enna Kore.

Applicants must submit the application form with the required documents by e-mail address:

e-mail: aero.summerschool@unikore.it within 12:00 pm July 10th 2013.

The candidate selected and usefully in the ranking must adjust the payment of the fee within and not beyond 12:00 pm of July 22nd 2013, and then send a copy of the payment to the email address

e-mail: aero.summerschool@unikore.it within and not beyond 12:00 pm of July 23rd 2013.

Certificate and formative credits:

At the end of the activities will be provided a Certificate of Participation of the Summer School, issued by the Università Kore di Enna.

The participation to the summer school also includes the acquisition of n. 2 formative credits that can be recognized for the Academic study.

Organizing Secretariat:

For any further information please contact the organizing secretariat:

Doct. Gaspare Gentile Tel. +39 0935536351 e-mail: aero.summerschool@unikore.it

