

COMPUTER ENGINEERING (LM55)

(Lecce - Università degli Studi)

Teaching SYSTEM AND NETWORK PROGRAMMING

GenCod A003127

Owner professor Francesco TOMMASI

Teaching in italian SYSTEM AND NETWORK PROGRAMMING

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SSD code ING-INF/05

Reference course COMPUTER ENGINEERING

Course type Laurea Magistrale

Credits 9.0

Teaching hours Front activity hours: 81.0

For enrolled in 2018/2019

Taught in 2018/2019

Course year 1

Language ENGLISH

Curriculum PERCORSO COMUNE

Location Lecce

Semester First Semester

Exam type Oral

Assessment Final grade

Course timetable
<https://easyroom.unisalento.it/Orario>

FULL SYLLABUS

System and Network Programming (A.Y. 2018-2019)

Computer Engineering 2nd level Master Degree

Credits: 9

Course start: First semester (TBD, last days of september 2018)

Course aims: The course aims at introducing the students to system programming for a real operating system. The selected system is UNIX (in its MacOS and Linux variety). The course presents (with examples) most System APIs (the "System Calls").

References:

Stevens, Rago - Advanced Programming in the UNIX Environment, 3rd Edition 2013, ISBN 978-0321637734

Stevens, Fenner, Rudoff - Unix Network Programming, Volume 1: The Sockets Networking API (3rd Edition), ISBN 978-0131411555

Kerrisk - The Linux Programming Interface - ISBN 978-1593272203

Didactic method: While lectures are delivered, the students sit in front of a computer and are requested to reproduce every step as shown by the teacher.

Students evaluation: The students must be able to write an actual C program to solve a proposed problem, with the classroom computer. Time allowed is two-three hours. They are free to google and to consult any kind of documentation they wish to bring with themselves.

Meet the teacher: the teacher is always available. Just write to francesco.tommasi@unisalento.it for an appointment.

Exam dates: see https://easytest.unisalento.it/Calendario/FAC_Ingegneria/index.html