

# 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** Ore-Attività-frontale: 81.0

**For enrolled in** 2018/2019

**Taught in** 2018/2019

**Course year** 1

**Language** INGLESE

**Curriculum** PERCORSO COMUNE

**Location** Lecce

**Semester** Primo-Semestre

**Exam type** Orale

**Assessment** Voto-Finale

**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](mailto:francesco.tommasi@unisalento.it) for an appointment.

**Exam dates:** see [https://easytest.unisalento.it/Calendario/FAC\\_Ingegneria/index.html](https://easytest.unisalento.it/Calendario/FAC_Ingegneria/index.html)