ROUTING ARCHITECTURES AND PROTOCOLS LAB (LPA)

Master Programme in Computer Science and Networking
About LPA

- Teacher name: Davide Adami
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- Semester: First

- Exam mode: Oral

- Pre-requisites:
  - Networking fundamentals
  - Understanding of destination-based, hop-by-hop IP routing in a Classless Inter-Domain Routing (CIDR) environment

- Area: Networking
Course Overview

- **Goal:** Basic knowledge and key concepts to understand the functional components required to design and implement **routing in Internet Service Providers**
- **Topics:** Router configurations and monitoring basics; Routing Policy; Packet Filters; Routing protocols (OSPF, BGP); Class of Service; IPv6.
- **How:** Traditional lectures are coupled with **hands-on lectures** which provides students with the possibility to work with Juniper routers and GNS3 VM

**JNAA Certification Program**

- **JNCIA-Junos Certification:** students may obtain Juniper Certification
Lab Equipment

J4350 Router

SRX-240 Router

Layer 2 switches

Juniper VM and Appliances for GNS3