Introduction

Tecnologie e Servizi di Rete
Computer Network Technologies and
Services

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Teachers

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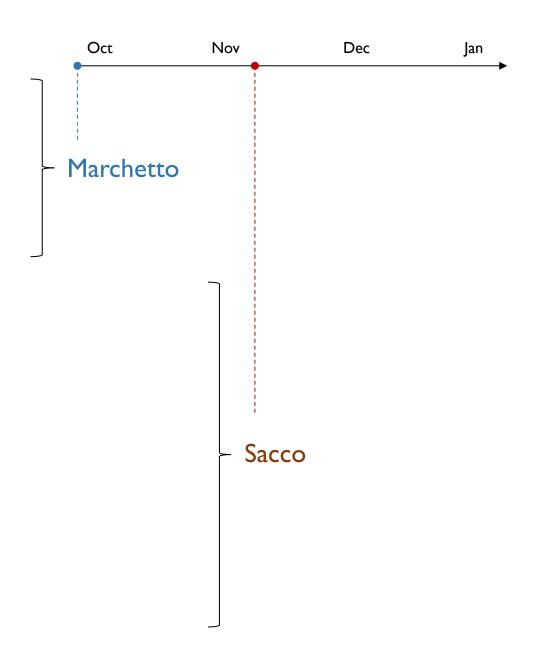
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Topics

- IPv4 network design
- IP Multicast
- IPv6 protocol and network design
- Cellular networks
- Ethernet local area network design
- Principles of dynamic routing
- Virtual Private Networks (VPN)
- SDN/NFV
- Content Delivery Networks
- MPLS protocol architecture
- Quality of service on IP networks
- Optical networks





Schedule 2023-24

- Usually 6h or 4.5h per week
 - Exact schedule will be announced weekly
- Some slots for Labs, only in some specific weeks



Labs

- Three lab experiences
 - IPv6 configuration
 - VPN configuration
 - MPLS configuration
- Virtual labs (Crownlabs)
 - Schedule to be defined
 - Duration: 3h timeslots, with the choice of two alternate dates for each lab



Material

- Polito e-learning portal
 - Slides
 - Recorded lectures



Exam

- I-hour written exam, including 33 multiple-choice questions
 - Correct answer: I point
 - Wrong answer: -1/3 points
 - No answer: 0 points
 - Final mark rounded to nearest integer (25 and 1/3 -> 25; 25 and 2/3 -> 26)
- Additional oral exam is not possible, so don't ask!



One more thing... Rules of Communication

- When you write to any of the Professors always state:
 - Your name and matricola number
 - The title of the course (each of us teaches multiple courses)
 - E.g., "I am in your Networks course" is not enough

This will speed up our reply!

- When you register for an exam and cannot attend: unregister or send an email
 - This will allow us to optimize the logistics and to avoid printing additional exam material
- Your exam mark is final:
 - Emails asking for:
 - a redress of your mark (e.g., "please add 1.6 points so I can pass, otherwise I lose my scholarship")
 - an oral exam to increase the mark
 - an extra exam session
 - registration of an exam in a different session
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