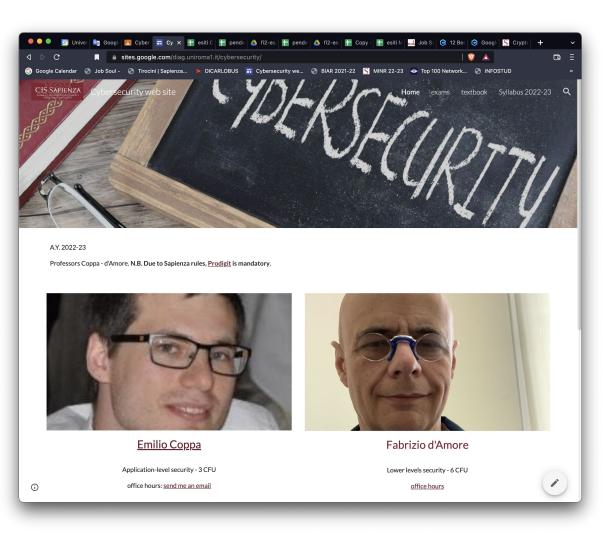
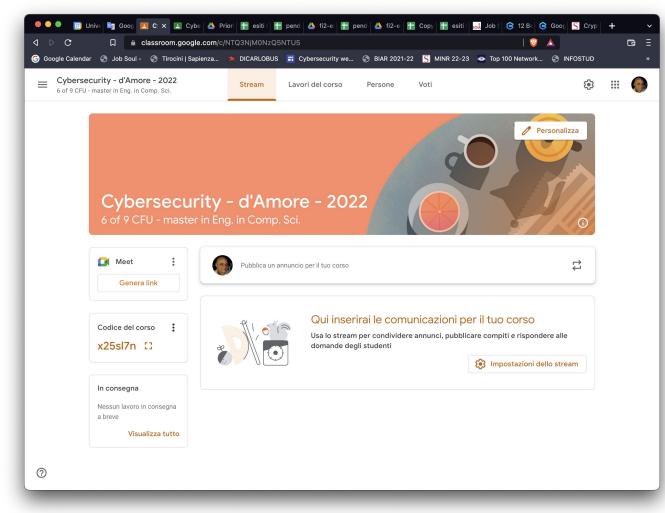


contents

- 1. Cybersecurity, CNS and Web security and privacy (long and partially sad story)
- 2. Part of d'Amore (6 ECTS) and part of Coppa (3 ECTS)
- 3. Google classroom: x25sl7n
 - slides (both in advance tentatively and in retrospect; they may slightly differ)
- 4. Website: https://sites.google.com/diag.uniroma1.it/cybersecurity/
 - Calendar
 - Textbook
 - Log





contents (continued)

- 5. Homeworks
- 6. Exam
 - Final grade is (2/3)(d'Amore)+(1/3)(Coppa)
 - Oral exam optional (grade positive or negative)
 - Partial grade handling
- 7. Organization of the lectures
 - Only in presence
 - Choose between 90min and 45min+ break+45min
 - <u>Prodigit</u> (now not working)
- 8. Master theses
 - Many and demanding

Syllabus 2022

- 1. Information security
- 2. Symmetric encryption
- 3. Data integrity
- 4. Public key encryption
- 5. Digital signatures and PKI
- 6. CSPRNG (Cryptographically Secure Pseudo-Random Number Generators)
- 7. Authentication
- 8. Secret sharing
- 9. Access control
- 10. Secure protocols (tls, ipsec, ssh)
- 11. Firewalls
- 12. Email security
- 13. Application security
- 14. Authentication again
- 15. CTF (Capture The Flag)

- Coppa
- d'Amore

• But **log** is the official reference

CIA requirements

other (non secondary) requirements

what is a requirement?

safety vs. security

Cybersecurity d'Amore