



# UPM International Summer School

## Cybersecurity

ETSIT, 24, 25 & 28 June 2019

Director: Dr. Víctor Villagrà

Cybersecurity is about balancing risks and opportunities in the cyberspace, the global interconnection of digital networks. Cybersecurity is designed to protect digital property, personal information, and business transactions from accidents, errors, and deliberate attacks.

Students: Bachelor

Pre-requisites: None

ECTS: 1 (10 class hours)



## Cyber Security



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## Cybersecurity

### Syllabus

#### MODULE 1: I. Cybersecurity Objectives and Planning.

Why and how? Risk Assessment  
Cybersecurity Policy Design

#### II. Know your enemy

Human Threats  
Technological Threats

#### MODULE 2: I. Security Services: Access Control Services

Authentication  
Perimeter Defense

#### II. Security Services: Network Security Security Protocols.

#### MODULE 3: Industry Talk

TBD

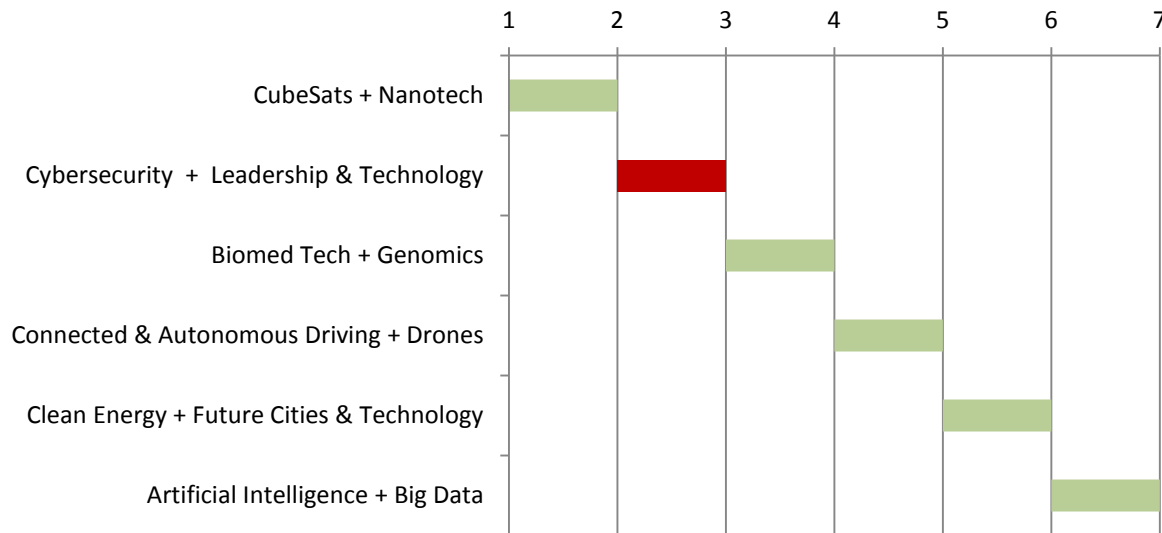




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### Schedule



Week	Monday	Tuesday	Wednesday	Thursday	Friday
2	Lecture (1.I) Lecture (1.II)	Lecture (2.I) Lecture (2.II)			Industry Talk



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### Faculty



**Víctor A. Villagrà** is

associate professor at the School of Telecommunications Engineering (ETSIT), UPM, since 1992. His main research areas are Cybersecurity and Network and Service Management, teaching different undergraduate and graduate courses in these areas.

He is currently the Director of the UPM's MSc in Cybersecurity.

TBD

TBD