



# UNIVERSITÀ DI PAVIA

Anno Accademico 2021/2022

## ENTERPRISE DIGITAL INFRASTRUCTURE

<b>Anno immatricolazione</b>	2021/2022
<b>Anno offerta</b>	2021/2022
<b>Normativa</b>	DM270
<b>SSD</b>	ING-INF/05 (SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI)
<b>Dipartimento</b>	DIPARTIMENTO DI INGEGNERIA INDUSTRIALE E DELL'INFORMAZIONE
<b>Corso di studio</b>	COMPUTER ENGINEERING
<b>Curriculum</b>	Computer Science and Multimedia
<b>Anno di corso</b>	1°
<b>Periodo didattico</b>	Secondo Semestre (07/03/2022 - 17/06/2022)
<b>Crediti</b>	12
<b>Ore</b>	100 ore di attività frontale
<b>Lingua insegnamento</b>	English
<b>Tipo esame</b>	ORALE
<b>Docente</b>	CALZAROSSA MARIA (titolare) - 12 CFU
<b>Prerequisiti</b>	Computer networks.
<b>Obiettivi formativi</b>	<p>The course focuses on the complex technological infrastructures being deployed nowadays. Particular emphasis will be given to the role of their hardware and software components and to the issues related to performance and Quality of Service (QoS). The course will introduce the techniques and tools for analyzing and predicting the performance of the infrastructures and discuss some case studies.</p> <p>At the end of the course, students will have enough competence to plan and successfully undertake performance evaluation and capacity planning activities.</p>
<b>Programma e contenuti</b>	<p>Queueing network models. Metodi didattici Lectures and hands-on sessions in the laboratory. Testi di riferimento J. Kurose, K. Ross: Computer Networking - A top down approach featuring the Internet. 7th Edition. Addison Wesley, 2017.</p>

Protocol RFCs.

Edward D. Lazowska, John Zahorjan, G. Scott Graham, Kenneth C. Sevcik:

Quantitative System Performance Computer System Analysis Using Queueing Network Models. Prentice Hall, 1984. Modalità verifica

apprendimento Final project work and oral exam. Altre informazioni None.

Obiettivi Agenda 2030 per lo sviluppo sostenibile

[Gli obiettivi](#)