



ENTERPRISE DIGITAL INFRASTRUCTURE

Anno immatricolazione	2019/2020
Anno offerta	2019/2020
Normativa	DM270
SSD	ING-INF/05 (SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI)
Dipartimento	DIPARTIMENTO DI INGEGNERIA INDUSTRIALE E DELL'INFORMAZIONE
Corso di studio	COMPUTER ENGINEERING
Curriculum	Data Science
Anno di corso	1°
Periodo didattico	Secondo Semestre (02/03/2020 - 12/06/2020)
Crediti	12
Ore	100 ore di attività frontale
Lingua insegnamento	English
Tipo esame	ORALE
Docente	CALZAROSSA MARIA (titolare) - 12 CFU
Prerequisiti	Computer networks.
Obiettivi formativi	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. At the end of the course, students will have enough competence to plan and successfully undertake performance evaluation and capacity planning activities.
Programma e contenuti	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.

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

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