



# UNIVERSITÀ DI PISA

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## SPACECRAFT STRUCTURES AND MECHANISMS

**MARIO ROSARIO CHIARELLI**

Academic year	2018/19
Course	INGEGNERIA AEROSPAZIALE
Code	666II
Credits	12

Modules	Area	Type	Hours	Teacher(s)
SPACECRAFT STRUCTURES AND MECHANISMS	ING-IND/04	LEZIONI	120	MARIO ROSARIO CHIARELLI

Obiettivi di apprendimento

*Modalità di verifica delle capacità*

### Prerequisiti per studi successivi

knowledge on stress analysis methodology and verification procedures  
knowledge on kinematics and dynamics of discrete and continuous systems  
knowledge on dynamics of mechanical systems (discrete and continuous)  
knowledge on random analyses (stresses, acoustics and/or random vibrations)  
basic knowledge and practical use of a commercial Finite Element software/or code  
basic knowledge for the preliminary design of a spacecraft  
basic knowledge of standard codes and/or rules for the preliminary design of a spacecraft

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