- **COMPUTATIONAL SOLID MECHANICS**

  Master Courses:

  Erasmus Mundus "Computational Mechanics"

  Numerical Methods in Engineering

Lecturers:
A. Huespe, J.A. Hernández
C. Agelet ,
M. Arroyo,

Coordinator (course responsible): X. Oliver

2017-2018

Master Erasmus Mundus on Computational Mechanics
Master Numerical Methods in Engineering

COMPUTATIONAL SOLID MECHANICS

Campus Nord UPC, Building A1, Classroom A1-205 Time : Tuesdays 16:00-19:00 (15:00-18:00)
(28/02/2018) Building A3, Classroom A3-104, Time : Monday 09:00-12:00

Lecture #	Date/Time	Topic	Lecturer
1	06/02/2018 16:00-19:00	Course presentation Thermodynamic foundations of constitutive modeling (1)	X. Oliver A. Huespe
2	08/02/2018 16:00-19:00	Thermodynamic foundations of constitutive modeling (2)	A. Huespe
3	13/02/2018 16:00-19:00	Continuum Damage Models (1)	A. Huespe
4	15/02/2018 16:00-19:00	Continuum Damage Models (2)	A. Huespe
5	20/03/2018 16:00-19:00	Continuum Damage Models (3)	A. Huespe
6	28/02/2018 09:00-12:00	Continuum Damage Models (4) Introduction to Matlab programming+codes	X. Oliver J.A. Hernández
	ASSIGNEMENT # 1 (delivery to students)		
7	06/03/2018 15:00-18:00	Plasticity Models (1)	C. Agelet
8	08/03/2018 15:00-18:00	Plasticity Models (2)	C. Agelet
9	13/03/2018 15:00-18:00	Plasticity Models (3)	C. Agelet
10	20/03/2017 15:00-18:00	Plasticity Models (4)	C. Agelet
ASSIGNEMENT # 2 (delivery to students)			
11	10/04/2018 15:00-18:00	Finite deformation computational solid mechanics	M. Arroyo
12	17/04/2018 15:00-18:00	Solution methods for nonlinear problems	M. Arroyo
13	08/05/2018 15:00-18:00	Buckling and structural instability. Continuation methods	M. Arroyo
	ASSIGNEMENT # 3 (delivery to students)		