COURSE: Strenght of Materials			
ACADEMIC YEAR: 2017-18			
TYPE OF EDUCATIONAL ACTIVITY: Characteristics			
TEACHER: Claudio Franciosi			
e-mail: claudio.franciosi@unibas.it		web:	
phone:		mobile (optional):	
Language: Italian			
ECTS: 12	n. of hours: 120	Campus: Potenza School of Engineering Program:	Semester: I and II

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES
The static behaviour of skeletal structures should be clearly understood, in the simplifying hypothesis of linear elastic behaviour.

PRE-REQUIREMENTS
Basic notions of linear algebra and calculus

SYLLABUS
Elasticity theory: equilibrium equations, compatibility equations, constitutive equations (mainly Hooke linear law) – Theory of structures: rigid systems, and indeterminate structures. Virtual work principle Simple concepts of stability analysis: critical loads.

TEACHING METHODS
Theoretical lessons, Classroom tutorials

EVALUATION METHODS
Written examination, Oral examination, .

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL
Web material

INTERACTION WITH STUDENTS
Monday 8.30-9.30, Wednesday 11.30-12,30.

EXAMINATION SESSIONS (FORECAST)[1]
The examinations sessions will be defined according to the faculty requirements.

SEMINARS BY EXTERNAL EXPERTS YES □ NO X

FURTHER INFORMATION

[1] Subject to possible changes: check the web site of the Teacher or the Department/School for updates.