**COURSE:** Strength of Materials

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**Language:** Italian

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<th>ECTS: cu</th>
<th>n. of hours: 90</th>
<th>Academic year: 2019.20</th>
<th>Campus: Potenza</th>
<th>Semester: I,II</th>
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**TOPICS**  
Study of elastic solids.  
Beam theory and its applications

**TEACHING METHODS** (please tick one or more options)  
- Theoretical lessons  
- Tutorials in classroom  
- Tutorials in laboratory  
- Project works  
- Technical visits  

**TEXTBOOKS**
- You sharpen theoretical and examples furnished during course  

**ON-LINE EDUCATIONAL MATERIAL**
web address: http://profauciello.altervista.org/

**LEARNING OUTCOMES**
Ability to set up and solve problems related to the behavior of structures through the procedures set out during the course.

**REQUIREMENTS**  
Calculus I and II, Geometry, Mathematical Physics

**EVALUATION METHODS** (please tick one or more options)
- Intermediate verifications  
- Written examination  
- Discussion of a project work  
- Practical test  
- Oral examination  

**DETAILED CONTENT**
Introduction to vector and tensors, linear transformation, antisymmetric and symmetric transformation.  

**SEMINARS BY EXTERNAL EXPERTS**  
YES ☑  NO ☐

**FURTHER INFORMATION**