**COURSE:** Physics II: Electromagnetism  
**ACADEMIC YEAR:** 2018/19  
**TYPE OF EDUCATIONAL ACTIVITY:** Basic  
**TEACHER:** dr Francesco Esposito  
  e-mail: francesco.esposito@unibas.it  
  web: http://oldwww.unibas.it/utenti/esposito/home.html  
  Phone: 0971 205164  
  mobile (optional):  
  Language: Italian  
  **ECTS:** 6  
  **n. of hours:** 60  
  **Campus:** Potenza  
  **School of Engineering:**  
  **Semester:** First

**EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES**  
Obtain a comprehensive understanding of the fundamental concepts in electricity and magnetism. Obtain analytical skills for solving problems in Electricity and Magnetism.

**PRE-REQUIREMENTS**  
Knowledge of mechanics, mathematical analysis

**SYLLABUS**  
Electrostatics, Magnetostatics, Maxwell equations, Electromagnetic waves.  
**DETAILED CONTENT:**  

**TEACHING METHODS**  
Theoretical lessons

**EVALUATION METHODS**  
Written and oral examination  
Intermediate verifications

**TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL**  
http://oldwww.unibas.it/utenti/esposito/home.html

**INTERACTION WITH STUDENTS**  
Professor's office hour: every day after appointment by e-mail  

**EXAMINATION SESSIONS (FORECAST)**  
18/5/2020, 6/7/2020, 14/9/2020, 16/11/2020, 1/2/2021

**SEMINARS BY EXTERNAL EXPERTS**  
YES □ NO X

**FURTHER INFORMATION**

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