

Analiza Matematica I

Mathematical Analysis I

Obiectiv principal

Insusirea metodelor matematice care au aplicatii in inginerie, fizica, mecanica, organe de masini, rezistenta materialelor, informatica, metode numerice, studiul si tehnologia materialelor

Course Objective

Assimilation of mathematical methods with application in engineering, physics mechanics, resistance of materials, informatics, numerical methods, technology of materials.

Curs

2 ore/săptămână, total 28 ore

- Elemente de teoria multimilor
- Siruri si serii de numere reale
- Continuitatea functiilor reale
- Derivata unei functii
- Grafice de functii
- Integrala definita
- Integrala improprie
- Serii de puteri

Course

2 hours weekly, 28 hours total

- Elements of Set Theory
- Real Sequences and Series
- Continuity of real –valued functions
- The Derivative
- Graphs of Functions
- The Definite Integral
- The Improper Integral
- Power Series

Seminar

2 ore/săptămână, total 28 ore

- Elemente de teoria multimilor
- Siruri si serii de numere reale
- Continuitatea functiilor reale
- Derivata unei functii
- Grafice de functii
- Integrala definita
- Integrala improprie
- Serii de puteri

Laboratory

2 hours weekly, 28 hours total

- Set Theory
- Real Sequences and Series
- Continuity of real –valued functions
- The Derivative
- Graphs of Functions
- The Definite Integral
- Improper Integral
- Power series