

"GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI FACULTY OF CIVIL ENGINEERING AND BUILDING SERVICES



ROADS

BRIDGES

CE.415

RAILWAY

Transportation infrastructures requires permanent maintenance and continuous development. In pressent, Romania is currently in an extensive process of developing the road and rail network, both through the construction of highways and the modernization of the vast railway network. At the same time, the national, county and local road network needs to be modernized to support increasing traffic. The shortage of specialists requires an increase in employability for construction engineers, especially in works management.





- Types and dimensions of highways and roads
- Road structure rigid, semirigid and flexible
- Elemens of a road
- · Current technologies for roads and road platforms
- Life of a road and maintenance solutions





- Types of bridges concrete and steel bridges
- Structural elemens of bridges
- Constructive elements of bridges
- Overview of bridge calculation
- Current technologies for bridge construction
- Maintenance work for bridges





- Elemens for railway structure
- Types of rail and support
- Rules for railway utilization
- Restrictive elements for design and construction of railway
- Interaction between railway and roads

