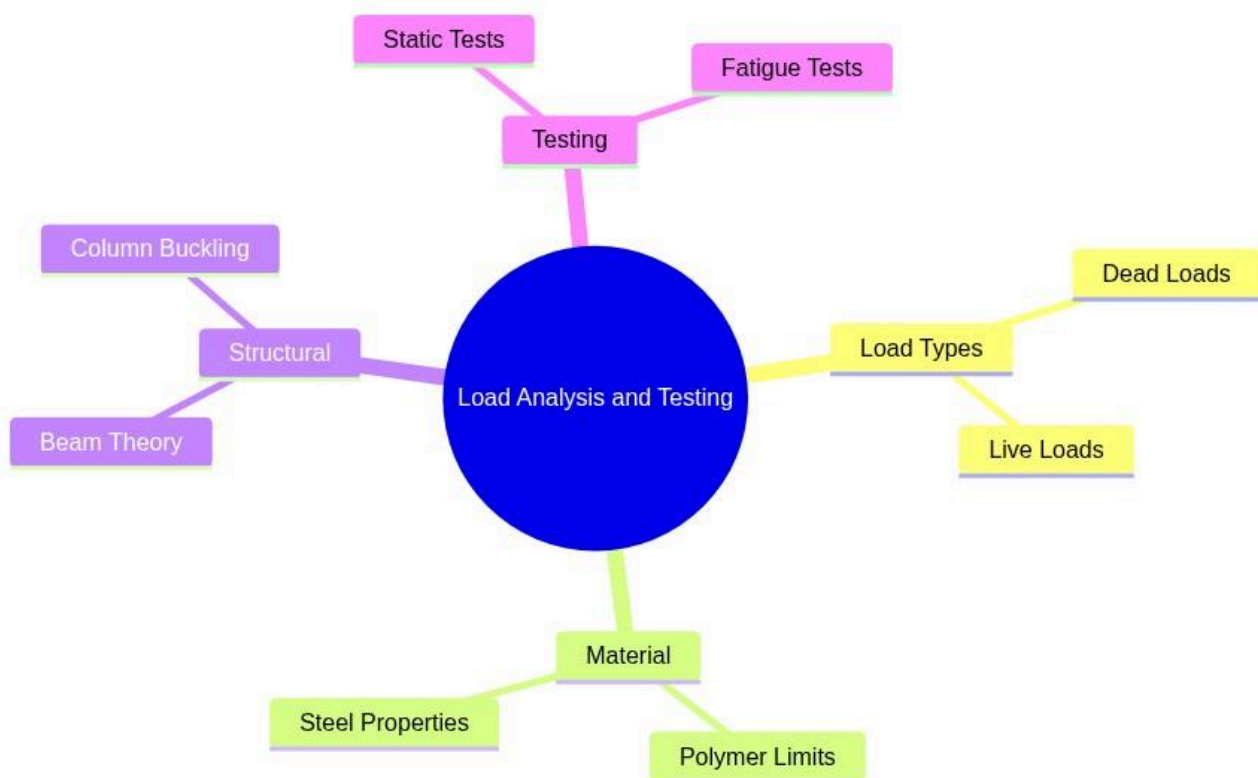


Gym Machinery Engineering and Safety

Load Analysis and Testing



```
mindmap
  root((Load Analysis and Testing))
    Load Types
      Dead Loads
      Live Loads
    Material
      Steel Properties
      Polymer Limits
    Structural
      Beam Theory
      Column Buckling
    Testing
```

Static Tests
Fatigue Tests