

【工程材料】

Examination scope

1. Phase diagrams and their application
2. Engineering materials tests (tensile test, hardness test, impact test, fatigue test, creep test) and their application
3. Strengthening methods and strengthening mechanisms in engineering materials
4. Steels alloys, aluminum alloys, copper alloys and their application
5. Fundamentals of materials

Reference books

1. Introduction to Engineering Materials, Vernon John (本校圖書館藏書)
2. Structure and Properties of Engineering Alloys, William F. Smith (新月圖書公司、本校圖書館藏書)