

수업계획서

기본정보

- 교과목명 : 기계공작법
- 개설학기 : 2022년 1학기
- 교강사 : 이 건상
- 학점 /시간 : 3/3

강의개요

- This course introduces you to manufacturing processes.
- Topics include nature of materials, metal casting, powder metallurgy, metal forming, and metal machining.

수업 목표

- Define Material Processing
- Describe Various Manufacturing Processes
- Describe the Technical Differences between Various Manufacturing Processes
- Describe the Ecological Differences between Various Manufacturing Processes
- Describe the Manufacturing Economics of Various Manufacturing Processes

주요 키워드

교재

Groover's Principles of Modern Manufacturing, M.P.Groover, Wiley, 2017, 978-1-119-24912-2

주차별 수업계획

1주차	Introduction and Overview of Manufacturing
2주차	Fundamentals of Metal Casting
3주차	Metal Casting Processes
4주차	Metal Casting Processes
5주차	Bulk Deformation Processes in Metalworking
6주차	Bulk Deformation Processes in Metalworking
7주차	Bulk Deformation Processes in Metalworking
8주차	Sheet Metalworking
9주차	Sheet Metalworking
10주차	Theory of Metal Machining
11주차	Theory of Metal Machining
12주차	Machining Operations and Machine Tools
13주차	Cutting-Tool Technology
14주차	Grinding and other Abrasive Processes
15주차	Nontraditional Machining