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	现代模具数字化设计与制造技术				
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	key technologies and method for software system development. The students shall be able to design the specific die and mold based on the commercial CAD software, and conduct some advanced coding for specific functions. The students shall grasp the following key knowledge points about die and mold manufacturing: traditional machining and precision machining processes, NC controlled machining process and intelligent machining, electrode and wire electric discharging machining and intelligent EDM, electro-chemical machining, laser machining, automation of die making process, manufacturing for typical die and mold components, typical tool materials, traditional heat treatment and surface treatment processes. The students shall be able to analyze the die & mold specifications and work out a detailed machining plan, and extend the above knowledge to other metal component manufacturing topics.
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