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bq m	<p>"Principle and Technology of Liquid Forming " is a elective course of the Materials Science and Engineering, but also the main technical course of this major. Liquid forming has the basic position in industry, which is one of the important ways to produce various types of semi-finished and finished products in the machines and equipments. With the deepening of industrialization, higher requirements have been put forward on the study of principle and technology of liquid forming. Meanwhile, a series of new forming technologies have been developed. Through classroom teaching, discussing and extracurricular practices, the principles of liquid forming and related process technology will be explained in this course, including the flow and heat transfer in liquid forming, formation and control of the microstructure of castings, casting stress, deformation and cracks, moulding</p>				

materials, gravity casting, special casting, new liquid forming technology under the external field and so on. Apart from teaching the traditional liquid forming method, the new liquid forming methods and basic principles appeared in recent years are also introduced, in order to give students a solid foundation for the subsequent courses, tracking the development of modern technology, and the future work in materials processing.

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