

课程编号：1713602640

课程名称：百年物理与诺贝尔奖

学分/学时： 2/32

先修课程：是

适用专业：全校各专业

课程性质：全校选修

教材：田战省 编著. 百年诺贝尔奖 物理卷（第1版）. 北方妇女儿童出版社, 2010年

主要参考书：赵铮 编著. 物理学与人类文明十六讲（第1版）. 高等教育出版社, 2016年

内容简介：

《百年物理与诺贝尔奖》课程以百年诺贝尔奖为线索，介绍在物理科学技术发展过程中，具有里程碑意义的重大科技事件、人物、科技内容及其对现在科技的重大影响。同时展望未来的发展方向与趋势，并展现一些现代高科技手段和成果。本课程在纵览古今中外物理学的辉煌发展历史的同时，交叉跨越多学科领域的尖端科技（如化学与生物）。本课程以通俗易懂的方式讲述物理学发展中的重大发明与事件，富于趣味性、真实性、科学性，知识性。开阔学生视野，激发学习兴趣，领略科技魅力，培养科学素养。本课程通过现代化教学手段展现科技给人带来的视觉震撼。

Course Description

Course Code: 1713602640

Course Name: ONE-HUNDRED-YEAR PHYSICS & NOBEL PRIZE

Credit/Hours: 2/32

Textbooks: Zhanxing Tian . One hundred Nobel prize for physics. Northern Women & Children Press, 2010

Reference Books : Zheng Zhao. Sixteen lectures of physics and human civilization. Higher Education Press, 2016

Course Description:

ONE-HUNDRED-YEAR PHYSICS & NOBEL PRIZE is in the clue of one-hundred-year physics Nobel

Prize(1901-2000) and introduce some great technical cases, persons in the progressing of physics .IN the meanwhile ,the course tells us the tendency of development and shows us some advanced high-technology and achievements .The course covers not only the brilliant history of physics but also other areas of science(such as chemistry and biology).The course is designed in a easy way and is interesting, scientific and knowledgeable .The course is aiming to broaden the eye of view of students ,and impulse the interest of them , mostly the course exhibit the charming of technology and foster the scientific habit of student .The course will use modern teaching methods to give you a deep impression.