**弹性力学课程教学大纲**

课程代码：12121620

课程中文名称：弹性力学

课程英文名称：Elastic Mechanics

课程类别：专业课

学分：2.0 周学时：2.0-0.0

面向对象：土木工程专业及水资源与海洋工程专业本科生

预修要求：理论力学、材料力学、微积分

一、课程介绍

（一）中文简介

弹性力学是固体力学的一门基础学科，是解决大型、复杂工程结构分析的基础技术课程。该课程的主要内容有：一、弹性力学的基本概念，及其与其他相关课程的区别与联系。二、平面问题的基本理论、平面问题的直角坐标解答、平面问题的极坐标解答。三、空间问题的基本理论与解答。四、薄板弯曲理论。课程将采用讲授与讨论相结合的方法。

（二）英文简介

This course is a degree program for civil engineering undergraduate students of Zhejiang University. The course provides basic theories and analytical methods to solve mechanical problems of complex engineering structures. It include three parts: a)The history and the key concept of policy science, the main-stream of the area of policy study. b)Some important theory correlative to the study of public policy and important theoretical progresses in policy science. c)Methods and methodology in policy-making and policy analysis.
The Methods of discussion and case study will be used in this course, and the capacity of quick-primary policy analysis will be emphasized.