**绿色建筑课程教学大纲**

课程代码：12195660

课程中文名称：绿色建筑

课程英文名称：Green Building

课程类别：专业课

学分：2.0 周学时：2.0-0.0

面向对象：

预修要求：

一、课程介绍

（一）中文简介

本门课程是面向建筑学专业的必修课。课程的内容主要涉及以下五个方面的内容：一、绿色建筑技术：包括建筑节能技术、建筑室内环境控制技术、节地及室外环境技术、水资源利用及节水技术、绿色建材、绿色建筑技术集成应用等；二、国内外绿色建筑评价标准的对比；三、绿色建筑性能模拟软件学习及优化设计；四、绿色建筑技术性能测试实验；五、国内外绿色建筑案例分析及现场实践参观。课程将采用讲授、讨论、实验、设计实践、现场参观相结合的方法。

（二）英文简介

This course is a compulsory course for architecture majors.It covers five aspects as follows: 1. Green building technology: including building energy saving technology, building indoor environment control technology, land-use saving and outdoor environment technology, water resource utilization and water saving technology, green building material, operation and management technology, green building technology integrated application, etc; 2. Comparison of green building evaluation standards home and abroad; 3.Green building performance simulation software learning and optimization design; 4. Green building technical performance test experiment; 5. Domestic and foreign green building case analysis and on-site visits. Combinations of lectures, discussions, experiments, design practices and on-site visiting will be adopted in this course.