

课程编号：1713602710

课程名称：绿色海洋开发与海防科技

学分/学时：2/32

先修课程：无

适用专业：全校各专业

课程性质：全校选修

教材：黄明哲编著. 海洋奥秘：高科技与海洋. 中国科学技术出版社, 2011 年

主要参考书：阿尔弗雷德·塞耶·马汉编著. 海权论. 北京日报出版社, 2012 年

内容简介：

《绿色海洋开发与海防科技》课程详尽介绍了海洋、海防相关知识，课程内容包括海洋意识与海权；世界航母发展与我国航母技术；深海探测技术与开发；潮汐发电与海水淡化。众所周知，海洋是生命的摇篮，它为生命的诞生与繁衍提供了必要的条件；海洋是资源的宝库，它给人类提供了极为丰富的食物和巨大储量的多种资源；海洋是交通的要道，它为人类隔海交流提供了最为经济便捷的运输途径；海洋是现代高科技研究的基地，是人类探索自然奥秘、发展高科技产业的重要领域。本课程致力于文理互补、开阔学生视野，以通俗易懂、图文影视并貌的方法向学生展示海洋科技与奥秘。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，培养科学素养。

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Course Description

Course Code: 1713602710

Course Name: Development of green ocean and science & technology for coast defence

Credit/Hours: 2/32

Textbooks: Mingzhe Huang. Mysterious Ocean: High technology and Ocean. China Science & Technology Press, Year 2011

Reference Books: Alfred Thayer Mahan. The theory of sea power. Beijing Daily Press, Year 2012

Course Description:

DEVELOPMENT OF GREEN OCEAN AND SCIENCE & TECHNOLOGY FOR COAST DEFENCE introduces

the knowledge about the ocean and coast defence. The main parts include the maritime sense and thalassocracy, the development of aircraft carrier in the world and the technology of aircraft carrier in China, deep sea diving technology, tide generates electricity and sea water desalination. It is well known that the sea is the cradle of life, and it provides the necessary conditions for the birth and development of life. The ocean is a treasure house of resources, and it provides rich food and multiple resources. The ocean is the main traffic arteries, and it provides human to communicate across the sea with the most convenient means of transport economy. Ocean is the study of modern high-tech base, and it has been an important field of human exploration of the mysteries of nature and the development of high-tech industries. This course is aimed at enlarging students' scope of knowledge in multimedia way. The characteristics of the course are interesting, true, scientific and knowledgeable. Students can learn knowledge in an interesting way.