

Course Outline

Course No. IO 624

Course Title: The Oceans and Politics

Course Credits: 3

Course Instructor: Dr. Krishnendra Meena

Instruction Method: Lectures/Seminars, Tutorials

Evaluation: Sessional Work, Assignments, End Semester

Winter Semester 2014

Rationale

Oceans as a physiographic division of the earth's surface today play an increasingly significant role in the international system. The oceans facilitate international trade and therefore, globalization, through the waterways which function as sea lines of communication. The oceans are storehouses of marine living resources and mineral resources which accord the oceanic space a geopolitical and geostrategic importance. The course will try to familiarize the students with the physiography of the oceans and how it plays a role in designating some oceanic spaces as more important than others.

Course Content

1. Origin of Oceans and Physical Oceanography:
Land-Water Distribution and Relief Features of the First Order and General Theoretical Framework; Plate-Tectonic theory and Physiography of Ocean floor
2. Dynamics of Oceanic Waters and Spatial Distribution of Living Resources:
 - A. Distribution of zoo-plankton and productivity level of sea water; Food from the sea-potentials and types; technological requirements and Fishing; Main fishing areas and nations; conflicts and agreements; Growing Importance of Marine Products and Future dependence
 - B. Geology of shelf and deep-sea bed mineral potential areas and assessment of sea-wealth; Future Dependence and Strategic Importance of Minerals and hydrocarbons from the sea.
3. Shipping Lane and Sea-borne trade:
Ocean passage for the world and straits and their significance; Growing foreign trade; trading zones and shipping lanes; regulations and agreements, security of shipping and arrangements; Volume and orientation of maritime trade and commerce, ships and shipping of tomorrow
4. Changing Law of the sea, Coastal Management and Question of Maritime Security:
National jurisdiction and the concept of open-sea; coastal zone management and off-shore economic development; Growing importance of marine resources and environment; Developing nations and their perspectives on maritime security;

technological requirements and dependence; Issues and problems of coastal management; Growing maritime pollution and ecological concern; planning and international cooperation and agencies

5. Contemporary World Order and the Oceans:

Global Security perspectives and maritime strategies of the Super-powers; Growing insecurity and the Developing Countries; Developments in naval equipments and capacities; strategic bases and capabilities; Antarctica and the Southern Oceans maritime strategic models and perspectives; Geostrategic Oceanic areas and conflict situation and perspectives. Indian Ocean-questions and perspectives.

Reading List

Henriksen, Tore, Geir Hønneland and Are Sydnnes (2006), *Law and Politics in Ocean Governance: The UN Fish Stock Agreement and Regional Fisheries Management Regimes*, Martinus Nijhoff, Leiden

Thorpe, Steve A. (ed.)(2009), *Encyclopaedia of Ocean Sciences: Elements of Physical Oceanography*, Academic, London

Mertens, Lea P. (ed.) (2008), *Biological Oceanography: Research Trends*, Nova Science, New York

Pinet, Paul R. (2009), *Invitation to Oceanography*, Jones and Bartlett, Boston

Stewart, Robert H. (2008), *Introduction to Physical Oceanography*, Orange Grove, Austin

Yanagi, Tetsuo (1999), *Coastal Oceanography*, Kluwer Academic, Dodrecht

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Ceccaldi, Hubert Jean, Ivan Dekeyser, Mathias Gerault and Georges Stora (eds.)(2012), *Global Change: Mankind-Marine Environment Interactions*, Springer, Dodrecht

Berlin, Donald L. 2006. 'India in the Indian Ocean', *Naval War College Review*, Vol. 59, No. 2, pp. 58-89.

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Brewster, David. 2010. 'An Indian Sphere of Influence in the Indian Ocean?', *Security Challenges*, Vol. 6, No. 3, pp. 1-20.

Chaturvedi, Sanjay. 1998. 'Common Security? Geopolitics, Development, South Asia and the Indian ocean', *Third World Quarterly*, Vol. 19, No. 4, pp. 701-724.

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*Corbett, Julian S. 2003. *Some Principles of Maritime Strategy*. London: Naval and Military Press.

Crowl, Philip A. 1986. 'Alfred Thayer Mahan: The Naval Historian', in Peter Paret (ed.), *Makers of Modern Strategy: from Machiavelli to the Nuclear Age*. New Jersey: Princeton University Press.

Dodds, Klaus, Merje Kuus and Joanne Sharp. 2012. 'Introduction: Geopolitics and its Critics', in Klaus Dodds, Merje Kuus and Joanne Sharp (eds.). *The Ashgate Research Companion to Critical Geopolitics*. London: Ashgate.

Harrison, Selig S. and K. Subrahmanyam (eds.). 1989. *Superpower Rivalry in the Indian Ocean: Indian and American Perspectives*. Oxford: Oxford University Press.

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*Integrated Headquarters, Ministry of Defence (Navy). 2009. *Indian Maritime Doctrine (INBR 8)*, New Delhi.

Kaplan, Robert D. 2010. *Monsoon: The Indian Ocean and the Future of American Power*. New York: Random House.

*Mahan, Alfred Thayer. 1890. *The Influence of Seapower upon History 1660-1783*. Boston: Little Brown and Company.

McPherson, Kenneth. 1993. *The Indian Ocean: A History of People and the Sea*. Oxford: Oxford University Press.

Menon, Raja K. 2009. 'The Maritime Interests of the United States, India and Japan', *Conference Report, Centre for Strategic and International Studies*, Washington D.C.

Pearson, Michael. 2003. *The Indian Ocean*. London: Routledge.

- Prakash, Arun. 2011. 'The Rationale and Implications for India's Growing Maritime Power', in Michael Kugelman (ed.). *India's Contemporary Security Challenges*. Washington D.C.: Woodrow Wilson International Centre for Scholars.
- Rahn, Daniel. 2006. 'Unlocking Indian Maritime Strategy', Masters Dissertation submitted to the Naval Postgraduate School, Monterey, California.
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- Yang, Andrew N. D. 2008. 'China's Growing Naval Force and its Impact on ROC's Security and its Implications for Indian Ocean', in Raghavan, V.R. and W. Lawrence

(eds.), *Maritime Security in the Indian Ocean Region: Critical Issues in Debate*.
New Delhi: Tata-McGraw Hill.