

PSE – 511: MARITIME STUDIES

(Open Elective)

Course Objectives:

1. To enable students understand the significance of the Maritime domain and the issues involved, develop interest and orient themselves to explore career options in the Maritime sector.
2. To familiarise the students with the structure and operation of the Maritime related activities and enabling them to have necessary knowledge to pursue careers in Maritime sector.
3. To make students comprehend the importance of Maritime sector to India and to critically reflect on the challenges.
4. To impart necessary knowledge about the Indian initiative in Maritime domain for development and protection of its interest.

Course Outcome:

At the end of the course students will –

1. Understand and value the significance of Maritime domain, grasp the issues involved and consider career options in Maritime sector.
2. Become knowledgeable of the structure and operation of the Maritime related activities at the global level and acquire have necessary knowledge to pursue careers in Maritime sector.
3. Grasp the importance of the Maritime sector to India and critically reflect on the nature of challenges.
4. Understand and assess the Indian initiative in Maritime domain and recommend appropriate policy responses.

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Unit 1: Maritime Studies: An introduction

- 1.1 Significance of the Study
- 1.2 Oceanography- general introduction; Maritime Geography and Maritime regions – Brown water, Green Water and Blue Water; Oceans and Seas
- 1.3 Maritime Zones (UNCLOS) – Internal Waters, Territorial Sea, Contiguous Zone, Exclusive Economic Zone (EEZ) and the High Seas
- 1.4 Importance of Oceans and Seas; Sea blindness

Unit 2 Maritime Domain and Order

- 2.1 Maritime Domain Awareness (MDA) and Underwater Domain Awareness (UDA)
- 2.2 Maritime security; Link between maritime security and economy
- 2.3 Securing the Sea – International Maritime Organisation (IMO); UN Convention on the Sea (UNCLOS) ; Maritime (Admiralty) law
- 2.4 Protective Measures at Sea - International Ship and Port Security Code (ISPS) and Container Security Initiative (CSI); Maritime Cyber security

Unit 3: India, Maritime economy and trade

- 3.1 India's Maritime heritage; India's coastline – An outline, Ports in India – Major and minor; Coastal Regulation Zone - importance
- 3.2 Blue economy and India's Maritime Trade – Significance, trends and challenges
- 3.3 India's EEZs; Maritime trade, Sea Lanes of Communication (SLOC) and Choke Points
- 3.4 Indian initiatives - Sagarmala and Maritime India Vision 2030

Unit 4 India, Maritime Geopolitics and security

- 4.1 India and Maritime Security; Coastal Security and Marine Police
- 4.2 Indian Ocean and Indo-Pacific region – Importance, issues and challenges; China's maritime activities, String of Pearls; QUAD
- 4.3 India and major maritime security threats – Maritime Terrorism, Piracy and Armed Robbery; Smuggling and Human Trafficking; Maritime disputes of India
- 4.4 Indian Security initiatives – SAGAR, Indian Maritime Doctrine (2015), Indo-Pacific Oceans Initiative (2019)

Select Readings:

1. Agnihotri, Kamlesh Kumar., *Leveraging High-Technology Developments in the Chinese Military and Maritime Domains: Impact on Indian Ocean Regional Security*, New Delhi; National Maritime Foundation (NMF), 2022.
2. Bhaskar, Chitrapu Uday., and Upadhyaya, Shishir ., *Furthering Maritime Connectivity: India and Southeast Asia*, New Delhi; NMF, 2011.
3. Chan, Edward Sing Yue., *China's Maritime Security Strategy, The Evolution of a Growing Sea Power*, London; Taylor & Francis, 2021
4. Chauhan, Pradeep., Seshadri Vasan., Athreya, Rishi., ed., *Securing India's Maritime Neighbourhood: Challenges and Opportunities*, New Delhi; NMF, 2020.
5. Das, Himadri, *Coastal Security- Policy Imperatives for India*, New Delhi; NMF, 2019.
6. Evans, Malcolm D. and Sofia Galani, eds., *Maritime Security and the Law of the Sea Help or Hindrance?*, London, Edward Elgar, 2020
7. Lehr, Peter, Herbert-Burns, Rupert and Bateman, Sam., *Lloyd's MIU Handbook of Maritime Security*, Florida, CRC Press, 2008
8. Malik, Aruna Kumar, Patel, Bimal N. and Nunes, William, eds., *Indian Ocean and Maritime Security, Competition, Cooperation and Threat*, London; Taylor & Francis, 2016
9. McNicholas, Michael ., *Maritime Security An Introduction*, London Elsevier, 2016
10. Otto, Lisa., *Global Challenges in Maritime Security: An Introduction*, Springer, 2021
11. Pavithran, K.S., *Foreign Policy and Maritime Security of India*, New Delhi; 2013
12. Roy-Chaudhury, Rahul., *India's Maritime Security*, New Delhi; Knowledge World, 2000
13. Ryan, Barry J., Boşilcă, Ruxandra-Laura and Ferreira, Susana., eds, *Routledge Handbook of Maritime Security*, London; Taylor & Francis, 2022
14. Sakhuja, Vijay., *Reinvigorating IOR-ARC*, New Delhi; NMF, 2012
15. Sakhuja, Vijay., and Narula, Kapil., *The Blue Economy: Concept, Constituents and Development*, New Delhi; NMF, 2017
16. Sakhuja, Vijay., and Rai, Adwita., *Essays on India's Maritime History*, New Delhi; NMF, 2016
17. Sakhuja, Vijay., and Mishra, Raghavendra., *Partnering Together for a Secure Maritime Future*, New Delhi; NMF 2016.