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EnSaCo Oil Spill Response curricula module

Tarmo Kull, Estonian Academy of Security Sciences

Kadi Luht, Estonian Academy of Security Sciences

Madli Kopti, Estonian Maritime Academy

One aim in the EnSaCo Oil Spill project was to develop oil spill response curricula. The curricula module consists of 25 ECTS and includes 9 different subjects. Curricula module is constructed using method what allows to integrate it into different curricula and study programs all over the Baltic Sea countries.



The module of oil spill response 25 ECTS		
1. Maritime traffic in Baltic Sea	3	A
<p>Objective of the subject: To provide an overview of the main topics of the maritime traffic in Baltic Sea; possible polluters and their response.</p> <p><u>Upon successful passing of the subject, the student:</u></p> <ul style="list-style-type: none"> ▪ Knows the principles of navigation in the Baltic Sea and its regulations; ▪ Is familiar with the main rules of maritime traffic and accidents in the past; ▪ Is familiar with the communication problems related to maritime traffic and has the overview about the vessels reporting system in the Gulf of Finland; ▪ Has the overview of the maritime traffic frequency in the Baltic Sea and about the different types of cargoes transported in the Baltic Sea 		
2. Baltic Sea and living environment	3	E
<p>Objective of the subject: To provide the students with an aim of the coastline and the beach of country and to give an overview about the characteristics and peculiarities of living environment in the Baltic Sea.</p> <p><u>Upon successful passing of the subject, the student:</u></p> <ul style="list-style-type: none"> ▪ Knows the different coast and shoreline types and has an overview of environmental sensitivity and mapping; ▪ Knows the most common populations in the sea and the possible effects of oil spill; ▪ Is familiar with the legislation of marine environment protection and organization; ▪ Is familiar of the oil spill consequences to the marine environment. 		

3. Dangerous goods and safety technique	3	E
<p>Objective of the subject: To provide the students with the knowledge of the dangerous goods, their identification and naturalizing which are transported by sea.</p> <p><u>Upon successful passing of the subject, the student:</u></p> <ul style="list-style-type: none"> • Knows the possibilities to identify dangerous goods; • Is able to use methods for identification most common dangerous goods; • Knows the main risks and consequences, safety management and techniques for working with dangerous goods; 		
4. Detecting pollutions and response authorities. International co-operation.	4	A
<p>Objective of the subject: To provide an overview of the oil spill detecting methods, response authorities and international co-operations in the area of the Baltic Sea.</p> <p><u>Upon successful passing of the subject, the student:</u></p> <ul style="list-style-type: none"> • Knows the main possibilities for the detecting an oil spill; • Knows the different authorities in the area of the Baltic Sea and it's costal countries responsible in the case of oil spill; • Is able to use the software of oil spill modeling; • Knows the main principles of oil spill evaluation; • Has an overview of the international co-operation in case of oil spill. 		
5. Oil spill response work at the sea	3	A
<p>Objective of the subject: To provide an overview of the oil spill response activities and authorities responsible of response at the sea.</p> <p><u>Upon successful passing of the subject, the student:</u></p> <ul style="list-style-type: none"> • Is familiar with the legislation of oil spill response at the sea area; • Knows the needed oil spill response equipment and oil spill response resources and its locations; • Based on oil spill location is able to estimate the time of oil spill response 		

<p>equipment arrival on the scene.</p> <ul style="list-style-type: none"> • Knows the co-operation system for oil spill response work at the sea; • Knows the financing, management and drilling system for oil spill response at the sea area; 		
6. Oil spill response works in the coastal waters	3	E
<p>Objective of the subject: To provide an overview of the oil spill response work and authorities in the coastal waters.</p> <p><u>Upon successful passing of the subject, the student:</u></p> <ul style="list-style-type: none"> • Is familiar with the legislation of oil spill response in the coastal waters; • Knows the needed oil spill response equipment and oil spill response resources and its locations to react to the oil spill in the coastal waters; • Knows the co-operation system for oil spill response work in the coastal waters; • Knows the financing, management and drilling system for oil spill response in the coastal waters. 		
7. Practical shoreline clean up	4	E
<p>Objective of the subject: To provide an overview of the oil spill response work and authorities on the coast.</p> <p><u>Upon successful passing of the subject, the student:</u></p> <ul style="list-style-type: none"> • Is familiar with the legislation of oil spill response on the shoreline; • Knows the needed oil spill response equipment and oil spill response resources and its locations to react to the oil spill on the shoreline; • Knows the co-operation system for oil spill response work on the shoreline; • Knows the financing, management and drilling system for oil spill response on shoreline. 		

8. Wildlife Response and Preparedness	2	A
<p>Objective of the subject: To provide an overview of the wildlife rescue methods and techniques.</p> <p><u>Upon successful passing of the subject, the student:</u></p> <ul style="list-style-type: none"> • Knows the principles of the process of wildlife rescue; • Knows the legislation related to Wildlife oil spill response • Knows the authorities who are responsible for wildlife oil spill response and the co-operation system with other authorities in case of oil spill; • Has an overview about the volunteer troops, their duties, protective measures of volunteers and communication system; • Knows the needed wildlife response equipment and its locations. 		
9. Investigation and criminal response for polluters	2	A
<p>Objective of the subject: Rules of investigation, detention and arrest of vessels as well as composing maritime claims against ship owners and crew in cases of illegal dumping and pollution of the marine environment</p> <p><u>Upon successful passing of the subject, the student:</u></p> <ul style="list-style-type: none"> • Knows basic international conventions dealing with protection of the marine environment (UN Convention on the Law of the Sea, Part XII; respective IMO conventions) from vessels whether intentional or accidental as well as conventions related to the maritime safety of ships • Knows about participation of country in those conventions and respective legal acts; • Knows about possibilities of a flag State to provide diplomatic protection in cases of investigations, detentions or arrests in foreign ports; • Knows about regulations in dealing with maritime casualties as well as salvage of property at sea; • Knows the international legal meaning of pollution damage and possibilities to get compensated as well as functioning of the IOPC Fund. 		