

1-1-1979

The facilities available for the university

Anonymous

Follow this and additional works at: http://commons.wmu.se/wmu_news

Recommended Citation

Anonymous, "The facilities available for the university" (1979). *WMU in the News*. 110.
http://commons.wmu.se/wmu_news/110

This News Article is brought to you courtesy of Maritime Commons. Open Access items may be downloaded for non-commercial, fair use academic purposes. No items may be hosted on another server or web site without express written permission from the World Maritime University. For more information, please contact library@wmu.se.

6. The facilities available for the University

The building, its equipment and other facilities

In Malmö the WMU will have its administrative buildings as well as the lecture rooms and workshops of the former Malmö Merchant Marine Academy. These comprise:

- ✓ a) classrooms and working tutorial rooms (two rooms accommodating 35 people and three rooms accommodating 24 people each); *4st + 1st Kontrollstr.*
- ✓ b) working group rooms; *4st*
- c) lecture theatre, to seat 60 students at a time; *Kockums*
- ✓ d) library;
- ✓ e) administrative buildings; *A+B-huset*
- Σ20 { ✓ f) accommodation for staff; *5st of Kontrollstr. medräkn.*
- ✓ g) tutors' preparatory rooms; *8st*
- ✓ h) engine room demonstration block;
- ✓ i) equipment room for audio visual aids, films and projectors.
- ✓ j) equipment repair and maintenance room;
- ✓ k) laboratories dealing with oil, chemical, and gas transportation;
- ✓ l) coffee room; *+ kafeterian*
- ✓ m) lounge/ante-room.

The roof is provided with an open area for celestial observations and a moving circular platform with binnacle for magnetic compass adjustments.

The fifth floor comprises a moving circular platform with a bridge mock-up installed with radio direction finders to ascertain radio deviation, Decca receiver, Omega receiver, and a radar covering the Baltic Sound. A room is also available for repairing equipment, laboratories for dismantling radars, and rooms for tutors' preparatory work.

The fourth floor is equipped with radar telephone stations, ship's model for studies in compass work; ship design; static water tank; rigging model; ship's behaviour and wire tensions; cargo handling and loading computers; puncher keyboard for making Morse programmes; sextants and transport laboratory experimental utensils are also available.

In an annex to the main building, ship's engines and auxiliary engines are located for engine tests and educational purposes. The engine hall has evaporators, separators, oil content meters, crude oil washing demonstration model, model inert gas generator, reefer chamber, gas measuring instruments etc. Laboratories for various tests and research work are available, as well as an infraspctrofotometer, gaschromatographs etc.

A second annex to the main building contains testrooms for demonstrating the Administration's obligation to control and certify navigational lights, colour of light-glasses, compasses and compass details etc. which are at the disposal of the WMU. Rooms are also available for administration purposes.

Technological and scientific environment

The World Maritime University will have the co-operation of and access to several specialized educational institutions and facilities located in the Malmö-Lund area. These comprise the following five sectors:

- I. technical professions
- II. administrative, economic and social professions
- III. medical and paramedical professions
- IV. pedagogical professions
- V. culture and information professions

Some important pre-requisites for the development of a scientific approach to studies at the World Maritime University are ready access to laboratories of high standards.

In addition to those available at the WMU itself, such laboratories will also be available at the appropriate institutions of the University of Lund, Kockums Shipyard, Kockumation etc. The University of Lund has well equipped laboratories in, electrical

engineering, mechanical engineering, civil engineering and engineering sectors. Its standard of education in marine physics, chemistry and similar subjects is internationally acc

In the section of electrical engineering all research projects are centred around light-current technology. There are basic courses in theoretical electrotechnology and applied courses in telecommunication theory, telecommunication systems and applied electrical and electrometrical technology. In all these fields applied technology has come to play an increasingly dominant role.

In the section of mechanical engineering, work is concentrated into three main areas; design and production, energy and trade and economy.

There is also research and education in civil engineering, traffic engineering, water resource engineering, geotechnological and geology.

The chemical centre is the largest institution for research and education in chemistry in northern Europe.

The Planetarium of the Lund Observatory specializes in travel. It contains unique equipment for demonstration education.

The Environmental Studies Programme engages in future and strategic studies in the field of energy, notably concerning energy and environment. Interdisciplinary courses at the graduate level include e.g. tracer analyses and environmental measurement techniques.

At the Kockums Shipyard, which is adjacent to the World Maritime University, sophisticated laboratories constitute the base upon which the progress of the shipbuilding industry is founded.

The understanding of shipbuilding technique is fundamental to all those who are involved in the shipping industry. In Malmö the Kockums Shipyard has developed a productive way of building highly sophisticated ships as gas tankers, chemical tankers, ferries and combination ships. The laboratory of mechanical materials which occupies an important place in a shipyard provides an ideal opportunity for the accurate calculations of the strength of materials.

WORLD MARITIME UNIVERSITY
LIBRARY



011009

7. Conclusions

Shipping is international by nature and a great deal of its success depends on international co-operation among maritime administrations all over the world. It is also an intensive industry. It is, therefore, vital for its success that the senior maritime officials of the World countries are properly trained and fully qualified.

In most cases, each of these countries needs only a few who are specialized and aware of the most modern technological fields of shipping. The availability of the services of experts would then ensure safe and economical shipping as well as efficient protection of the marine environment benefit not only of the country concerned but also of international trade everywhere in the world.

The proposed World Maritime University would therefore make a contribution of exceptional value in the global endeavours for safer shipping and cleaner oceans in a world characterized by the growing use of modern technology.