**Characteristic of post-degree courses organized in GMU on example “MODERN SHIP MANAGEMENT” course**

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**Abstract** Apart of undergraduate and postgraduate studies offered in GMU new concept of post degree studies was developed on Faculty of Navigation from 30th September 2015. Post degree course follow requirements of Ministry of Higher Education of Poland. According to this requirements post degree course should be continuous minimum 2 semester in total amount of lessons 200 hours and total credits should be minimum 60 ECTS. Curricula’s and programs of post degree studies accepted by Dean’s Board. The group of 15 person in age 30-55 years old was established and they decide that lessons took place on Wednesday afternoon 14:00 – 18:00. Participants of post – degree course “Modern Ship Management” have few years of experience as officers on board or few years as an office workers in different offices. In Feb 2015 was established The Polish Ship Managers’ Association, what is a voluntary organization of Polish business entities performing technical and crew management of ships belonging to foreign shipowners and ship operators and marine risk management concerning those ships. Above association fully accepts post degree course.

Intention of organizers is presenting no theoretical knowledge but practical experience, “keys studies”. Apart of GMU teachers about 80% of presenters were the top managers of ship management companies from Poland and Europe. 30% of lessons were conduct in English language, 70% in Polish. Apart of the lessons in GMU facilities a special exercise were prepared on board vessel mooring in Port of Gdynia (active participation of students in inspection of PSC). Special lessons were done DNV-GL Inspections Simulator in their office in Gdynia. Part of course are the individual students projects for example: organizing of crew exchange, ship supply, medical care on board vessel etc. The final common project it is legal establishing of brand new private ship management company. Realistic plans contain: budgeting for 1 year, organizing office and staff, preparing ISM code, etc.

**Keywords:** ship management, crewing, technical management, GMU, post-degree, course syllabus, commercial management

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**Introduction & System of Maritime Education in Poland**

Gdynia Maritime University founded in 1920 is the biggest Maritime school with over 6000 students in 4 faculties:

1. Faculty of Navigation (1200 students)
2. Faculty of Marine Engineering
3. Faculty of Electrical Engineering
4. Faculty of Entrepreneurship and Quality Science
Actual system of education in Poland existing since 2007 after compulsory adopting Bologne regulations show picture no.1

![Diagram of Polish education system from 2007 to 2015](image)

**Figure 1 Actual system of maritime education in Poland**

Post graduate studies offered in Gdynia Maritime University
1. Maritime transport
2. Management of safety in sea transport
3. Offshore technologies
4. Arctic navigation
5. Ocean yachting

**The specific post degree studies**

Any University or College has a right to open Post Degree Studies, in a field of profile of study. Plans, curricul as and programs of post degree studies should be accepted by Dean’s Board. Duration of post degree studies should be not less than 2 semesters (200 hours) and total quantity of ECTS is minimum 60 points. University or College has a right to collect fee for a period of education. Graduates of post degree studies receive certificate of completing course. The condition of issue of the above certificate are strictly identified in regulations. New certificates should be issued to students which began above study after 30th September 2012. [1]

In the years 2011 and 2012 on request and suggestion of Jeppessen (group Boeing), hydrographic office in Gdynia special post degree study was offered: Geographic information system for navigation application. Each academic year 12 people.

Post degree studies is designed for officials in national marine departments, port and terminal operations, ship owners, ship operators and senior seagoing officers decided to start working shore based shipping field. The studies provide student with excellent knowledge base and helps to move career forward.

New post degree study: Modern Ship management (Pic.2)
There is an interesting analyze of participants to whom post-degree studies addressed. People are working for ship manager companies, crewing agencies, technical management, shipyard, ship owner, training institutions. From 14 people only 6 have maritime background (Pic. 3A), they are in different age (average 36) (Pic. 3B). After completing 2 semester studies graduate receive special GMU diploma (Pic. 3C) and official standard diploma issued by Ministry of Education (Pic. 3D).

Selected modules
1. Tools of Modern Shipmanagement understanding of international business interface between shore and ship management
2. Quality systems and environmental issues
3. Technical Shipmanagement
4. Manning and training, personnel shipmanagement
5. Operational shipmanagement
6. Budgeting, accounting and business plans
7. Insurance, Maritime law, International Conventions, Port State Control
8. Budgeting, accounting and business plans
9. Insurance, Maritime law, International Conventions, Port State Control
10. Managing a Shipping Company, Shipmanagement Company, etc.

For individual decision of participant:
11. Selected topics: communication skills.
Particulars of course: cost 2750 PLN per semestr (total 5500 PLN), passing all 9 moduls and final project (modul 10), minimum 12 participants, four hours lessons in one day of week (agreed with employers of participants) preferable Tuesday or Wednesday 15:00 – 19:00
Polish Ship Managers’ Association

The name of the association is “Polski Związek Zarządców Statków (hereinafter called “Association”). The Association may also use its English name “Polish Ship Managers’ Association” and abbreviated names: “PZZS” in Polish and “PSMA” in English, was established January 15th 2015. The Association is a voluntary organization of Polish business entities performing technical and crew management of ships belonging to foreign ship owners and ship operators and marine risk management concerning those ships. The Association goal is ensuring the necessary professional level of services provided by the members to the contracting parties, in accordance with international standards and quality norms. President of association, Mr. Irek Kuligowski, managing director of Green Management said: „Our Maritime Universities educate people on a very high level quality and all can find a job only abroad. What for graduates should emigrate? Maritime Universities should change a little their behaviour and start to educate specialist for ship management bussines.”

Prognosis for 2nd edition

In opinion of 14 participants, employers of students, teachers and managers of Gdynia Maritime University first 2 semester studies MODERN SHIP MANAGEMENT were completed in June 2016 with great success. Many request for the next edition were received by director of post degeree studies. Some remarks and practical experience of 12 months studies give organizers opportunity to few changes in moduls of studies and even correction of ideology of curricula. Picture 5 shows new approach of dr Malcolm C. Willingale to content of Modern Ship Management.

![Figure 5 Distribution of moduls for shipmanagement studies](image)

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Proposition of new post degree studies in GMU

Fields of interest for future post degree studies

1. Ship inspection and surveying → together with DNV+GL and PRS
2. Wide spectrum of Hydrography → Maritime Administration
   Polish Science Academy
3. Aero/Air Navigation → Airports administration,
   Sanitary/agro aviation
4. LNG Industry → LNG Terminals, inland LNG
5. Port State Control → Maritime administration,
   Shipmanagers & shipowners
6. Ship operation and modern port operations → for shore based companies
7. Ship Agency Ship Superindendents → ship management companies, port authority
8. SAR Search and Rescue
9. Safety management and risk assessment
10. To be advised …

Conclusions

In opinion of authors of this paper we should define a term in Modern Ship Management which arised from following dates and circumstances.

CLASSIC SHIP MANAGEMENT TILL APR. 1995

MODERN SHIP MANAGEMENT FROM APR. 1995

The best knowledge about ship handling contain contained in classic book of dr Malcolm C. Willingale (Pic. 6) [3]
The following items should be taken into consideration in actual modern ship management:

1. Much more strictly and quality of ship inspection, PSC, DNV-GL
2. New geopolitical situation, ex Yugoslavia, East European Block, Ex-Soviet Union, new nations on market
3. Easier transportation, cheaper flights, non-visa requirements, etc.
4. Changes in standard of living (duration of contract, unification of scale wages)
5. Newest International regulations STCW, MLC, ISM
6. Modern communication (computers, global network)
7. New ecological requirements
8. New negative elements (piracy, terrorist, 11th September effect, ISPS)
9. Changes in new fleet structure, containerization, specialized ferries, LNG, etc.
10. New construction, shipyards revolution, dual fuel, CO2/SO2 requirement, etc.
11. Change of price of fuel and other elements of commercial operations.

Companies employers should permanent develop themselves and have to increase their professional knowledge. Doing every day job in most situation in specific area only is rather difficult to follow changes new information and procedures.

This is why post degree studies which practically take part on second half of 1 working day give an opportunity to listen lessons given by top managers of worldwide shipping (Secretary General of INTERMANAGER Mr. Kuba Szymanski, and few foreign managers visiting Polish offices). Part of studies are practical workshops onboard vessels (PSC) training in inspections on special simulator (DNV-GL), analyze of selected “case studies”, special projects, etc. [2]

Actually 30% of lessons were in English language. Organizers intent to increase above to 50%. New edition of post degree studies will have accreditation of prestigious maritime institution for example: Polish Ship Managers Association, DNV-GL, Intermanager etc. The best graduated students from 1st edition would like to participate in workshops with students of 2nd edition.
References:

