Zatwierdzono
Uchwałą
Rady Wydziału Mechanicznego
19.04.2012 r. korekta 22.06.2017

**UNIWERSYTET MORSKI W GDYNI**
**Wydział Mechaniczny**
**PLAN STUDIÓW**

**SPECJALNOŚĆ:**
**EKSPLOATACJA SIŁOWNI OKRĘTOWYCH**
**I OBIEKTÓW OCEANOTECHNICZNYCH**

**STUDIA STACJONARNE**
**PIERWSZEGO STOPNIA**

**PROFIL**
**PRAKTYKCZNY**

Godziny pracy

Rozkład zajęć programowych w latach

**Poziom zarządzania, zgodnie z STCW**

| Lp. | Nazwa przedmiotu | Razem | w tym W | C | L | P/S | ECTS | I Rok Sem. I W | C | L | ECTS | Sem. II W | C | L | ECTS | II Rok Sem. III W | C | L | ECTS | Sem. IV W | C | L | P/S | ECTS | III Rok Sem. V W | C | L | P | ECTS | Sem. VI W | C | L | ECTS | IV Rok Sem. VII W | C | L | S/P | ECTS | Sem.VIII W | C | L | S/P | ECTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Język angielski * | 180 | | 180 | | | 8 | | | | | | 2 | | 1 | | 2 | | 1 | | 2 | | | 1 | | 2 | | | 1 | | | | | | 2 | | | 2 | | 2 | | | 2 |
| 2 | Podstawy informatyki | 45 | 15 | | 30 | | 3 | | | | | 1 | | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Socjologia | 30 | 30 | | | | 2 | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Podstawy ekonomii i zarządzania | 30 | 30 | | | | 2 | | | | | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Ochrona własności intelektualnej | 10 | 10 | | | | 1 | 0,7 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Bezpieczeństwo pracy i ergonomia | 15 | 15 | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Wychowanie fizyczne | 60 | | 60 | | | 0 | | | | | | 1 | | 0 | | 1 | | 0 | | 2 | | | 0 | | | | | | | | | | | | | | | | | | | |
| 8 | Matematyka I, II | 150 | 60 | 90 | | | 13 | 2 | 4 | | 8 | 2 | 2 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Fizyka I, II | 120 | 45 | 45 | 30 | | 10 | 2 | 3 | | 7 | 1 | | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Mechanika techniczna* I, II | 90 | 60 | 30 | | | 8 | | | | | 2 | 1 | | 4 | 2 | 1 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Wytrzymałość materiałów* I, II | 105 | 45 | 30 | 30 | | 8 | | | | | | | | | 2 | 1 | | 4 | 1 | 1 | 2 | | 4 | | | | | | | | | | | | | | | | | | | |
| 12 | Mechanika płynów* | 45 | 30 | 15 | | | 3 | | | | | | | | | | | | | 2 | 1 | | | 3 | | | | | | | | | | | | | | | | | | | |
| 13 | Grafika inżynierska * I,II | 75 | 15 | | 60 | | 7 | | | | | 1 | | 2 | 4 | | | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Podst. konstr. maszyn + CAD I,II,III | 120 | 60 | | 60 | | 7 | | | | | | | | | 2 | | | 3 | 2 | | | | 2 | | | 4 | | 2 | | | | | | | | | | | | | |
| 15 | Projekt z podstaw konstrukcji maszyn I,II | 30 | | | | 30 | 4 | | | | | | | | | | | | | | | | 1 | 2 | | | | 1 | 2 | | | | | | | | | | | | | |
| 16 | Eksploatacja maszyn I, II | 30 | 30 | | | | 2 | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | 1 | | | 1 |
| 17 | Materiałoznawstwo okrętowe * I,II,II | 90 | 45 | | 45 | | 8 | 2 | | | 3 | 1 | | 2 | 3 | | | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Podstawy inżynierii wytwarzania * I,II,II | 120 | 45 | | 75 | | 8 | 2 | | | 3 | 1 | | 1 | 3 | | | 4 | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Termodynamika techniczna* I,II | 105 | 45 | 30 | 30 | | 7 | | | | | | | | | 2 | 2 | | 4 | 1 | | 2 | | 3 | | | | | | | | | | | | | | | | | | |
| 20 | Elektrotechnika i elektronika* I,II | 60 | 30 | 15 | 15 | | 5 | 2 | 1 | | 3 | | | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Automatyka i robotyka* I, II | 45 | 30 | | 15 | | 5 | | | | | | | | | | | | | 2 | | | | 3 | | | 1 | | 2 | | | | | | | | | | | | | |
| 22 | Metrologia i systemy pomiarowe | 45 | 15 | | 30 | | 3 | | | | | | | | | 1 | | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Ochrona środowiska morskiego* | 25 | 25 | | | | 2 | 1,7 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | Technologia remontów* I, II,II | 100 | 60 | | 30 | 10 | 7 | | | | | | | | | | | | | | | | | | 2 | | | | 2 | | | | | 1 | | | 0,7 | 2 | 1 | | 2 | | 3 |
| 25 | Teoria i budowa okrętu*I,II | 75 | 60 | 15 | | | 6 | | | | | | | | | | | | | | | | | | 2 | | | | 3 | | | | | 2 | 1 | | | 3 | | | | | |
| 26 | Siłownie okrętowe* I, II,II | 85 | 60 | 15 | | 10 | 7 | | | | | | | | | | | | | 2 | | | | 2 | 1 | 1 | | | 2 | | | | | 1 | | | 0,7 | 3 | | | | | |
| 27 | Diagnostyka techniczna* | 15 | 8 | | 7 | | 1 | | | | | | | | | | | | | | | | | | 0,5 | | 0,5 | | 1 | | | | | | | | | | | | | | |
| 28 | Bezpieczna eksploatacja statku* | 40 | 20 | 10 | | 10 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0,7 | 1 | 1,3 | 0,7 | | | 3 |
| 29 | Okrętowe silniki tłokowe* I,II,II | 105 | 65 | | 30 | 10 | 7 | | | | | | | | | | | | | 2 | | | | 2 | 1 | | 1 | | 2 | | | | | 1,3 | | 1 | 0,7 | 3 | | | | | |
| 30 | Kotły okrętowe* I,II | 59 | 34 | 15 | | 10 | 4 | | | | | | | | | | | | | 2,3 | 1 | | | 3 | | | | | | | | | | | | | 0,7 | 1 | | | | | |
| 31 | Turbiny okrętowe | 60 | 30 | 15 | 15 | | 4 | | | | | | | | | | | | | | | | | | 2 | 1 | 1 | | 4 | | | | | | | | | | | | | | |
| 32 | Maszyny i urządzenia okrętowe* I,II,II | 130 | 90 | | 30 | 10 | 9 | | | | | | | | | | | | | 2 | | | | 2 | 2 | | 1 | | 3 | | | | | 2 | | 1 | 0,7 | 4 | | | | | |
| 33 | Chłodnictwo, wentylacja i klimatyzacja* I,II | 55 | 30 | | 15 | 10 | 4 | | | | | | | | | | | | | | | | | | 2 | | | | 2 | | | | | | | 1 | 0,7 | 2 | | | | | |
| 34 | Elektrotechnika i elektronika okrętowa* I,II | 103 | 78 | | 15 | 10 | 6 | | | | | | | | | | | | | | | | | | 2 | | | | 2 | | | | | 3,2 | | 1 | 0,7 | 4 | | | | | |
| 35 | Automatyka okrętowa* | 40 | 15 | 4 | 11 | 10 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 0,7 | 3 | | | | | |
| 36 | Płyny eksploatacyjne* | 60 | 30 | | 30 | | 4 | | | | | | | | | 2 | | 2 | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Prawo i ubezpieczenia morskie* | 15 | 15 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 2 |
| 38 | Symulator siłowni okrętowej* | 44 | | | 44 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2,9 | | 2 | | | | | |
| 39 | Podstawy napędu statku* | 30 | 30 | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | | | 2 | | | | | | | | | | | | | | |
| 40 | Eksploatacja siłowni z silnikami tłokowymi **<br>Urządzenia platform wiertniczych**<br>Eksploatacja siłowni turbinowych** | 30 | 30 | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | 3 |
| 41 | Praktyki morskie I,II* | 0 | | | | | 32 | | | | | | | | | | | | | | | | PM | 2 | | | | | | | PM | 30 | | | | | | | | | | |
| 42 | Seminarium dyplomowe | 30 | | | | 30 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | 1 |
| 43 | Praca dyplomowa | 0 | | | | D | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | D | 15 |
| | Razem obciążenie | **2701** | 1335 | 569 | 647 | 150 | 240 | 15 | 8 | 0 | 30 | 11 | 6 | 10 | 30 | 11 | 7 | 11 | 30 | 18 | 7 | 4 | 1 | 30 | 17 | 4 | 8,5 | 1 | 30 | | | 0 | 30 | 12 | 3 | 7,9 | 9 | 30 | 6,3 | 4,7 | 2 | 0 | 30 |
| | Liczba godzin tygodniowo | | | | | | | 24 | | | | 27 | | | | 29 | | | | 30 | | | | | 31 | | | | | 0 | | | | 32 | | | | | 14 | | | | |
| | Ilość egzaminów | | | | 20 | | | 3 | | | | 2 | | | | 2 | | | | 3 | | | | | 2 | | | | | 0 | | | | 5 | | | | | 3 | | | | |

| | Szkolenie w zakresie bezpieczeństwa i szkolenie specjalistyczne | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | Bezp. własne i odpow. wspólna | | | | | | | III/IV semestr |
| 2 | Ochrona p.poż. stop. pods. [BFF] | | | | | | | |
| 3 | Elementarna pomoc medyczna | | | | | | | |
| 4 | Indywidualne techniki ratownicze | | | | | | | |
| 5 | Szkolenie w zakresie ochrony statku | | | | | | | |

***- Przedmioty konwencyjne wg STCW**

****- Przedmioty do wyboru**

| Praktyki morskie | |
|---|---|
| **2 miesiące** | **II rok** |
| | |
| **2 - 5 miesięcy** | **III rok** |

**- egzamin**

w - wykład
c - ćwiczenia
l - laboratorium
p - projekt
s - seminarium

**- egzamin**

| Przedmiot | Rodzaj zajęć | Semestr | Liczba godzin | ECTS |
|---|---|---|---|---|
| Ekspl. siłowni platform wiertniczych | zajecia fakultatywne | VII | wykład-30 | 2 |
| Wychowanie fizyczne | | I-VIII | 2 godz/sem. | 1/sem. |