**Nazwa przedmiotu:**

Master Diploma Seminar

**Koordynator przedmiotu:**

dr hab. inż. Paweł Pyrzanowski, prof. PW., teacher authorized by the Faculty Council.

**Status przedmiotu:**

Obowiązkowy

**Poziom kształcenia:**

Studia II stopnia

**Program:**

Aerospace Engineering

**Grupa przedmiotów:**

Specialization

**Kod przedmiotu:**

ML.ANW138

**Semestr nominalny:**

3 / rok ak. 2020/2021

**Liczba punktów ECTS:**

2

**Liczba godzin pracy studenta związanych z osiągnięciem efektów uczenia się:**

1) Number of hours that require the presence of a teacher - 30, including:
a) consultancy meetings - 28 hours;
b) final completion – 2 hours.
2) The number of hours of independent work of student – 30.
Total : 60 hours.

**Liczba punktów ECTS na zajęciach wymagających bezpośredniego udziału nauczycieli akademickich:**

1 ECTS credit - number of hours that require the presence of a teacher - 30, including:
a) consultancy meetings - 28 hours;
b) final completion – 2 hours.

**Język prowadzenia zajęć:**

angielski

**Liczba punktów ECTS, którą student uzyskuje w ramach zajęć o charakterze praktycznym:**

1.2 ECTS credits.

**Formy zajęć i ich wymiar w semestrze:**

|  |  |
| --- | --- |
| Wykład:  | 0h |
| Ćwiczenia:  | 0h |
| Laboratorium:  | 0h |
| Projekt:  | 30h |
| Lekcje komputerowe:  | 0h |

**Wymagania wstępne:**

**Limit liczby studentów:**

**Cel przedmiotu:**

The aim of the course is to familiarize with the methods of collecting information on a given topic and its presentation in a public forum.

**Treści kształcenia:**

1. Collection of materials on a given topic taking into account all available sources, including books, academic textbooks, journals and the Internet. The collected material should be included in the form of a written brief containing references to the sources of information used and their analysis. This part should be formed in cooperation with the leading job and be controlled during individual meetings.
2. Defense work. It is recommended that the defense takes place in a larger group of students. Each person during 10-15 minutes shows the result of the work in the form of a presentation, then answer questions about the work asked by all present.

**Metody oceny:**

The evaluation shall assess the quality of collected information and the manner of its presentation. It is recommended that the presentation took place in a wide circle of students, who together with the teacher will evaluate the work.

**Egzamin:**

nie

**Literatura:**

Books and academic textbooks, journals, Internet.

**Witryna www przedmiotu:**

**Uwagi:**

## Charakterystyki przedmiotowe

### Profil ogólnoakademicki - umiejętności

**Charakterystyka ML.ANW138\_U1:**

Can gather information from literature, databases and other chosen sources, also in English or another foreign language which is a language of international communication in areospace engineering; can integrate the information obtained, interpret it and evaluate critically, as well as draw conclusions, and formulate and justify opinions well.
Can set the goals of further education and organise his/her learning process.

Weryfikacja:

Prepared and evaluated report, oral presentation of the work.

**Powiązane charakterystyki kierunkowe:** Aero2\_U16

**Powiązane charakterystyki obszarowe:**

**Charakterystyka ML.ANW138\_U1:**

Can gather information from literature, databases and other chosen sources, also in English or another foreign language which is a language of international communication in areospace engineering; can integrate the information obtained, interpret it and evaluate critically, as well as draw conclusions, and formulate and justify opinions well.
Can set the goals of further education and organise his/her learning process.

Weryfikacja:

Prepared and evaluated report, oral presentation of the work.

**Powiązane charakterystyki kierunkowe:** Aero2\_U15

**Powiązane charakterystyki obszarowe:**

**Charakterystyka ML.ANW138\_U1:**

Can gather information from literature, databases and other chosen sources, also in English or another foreign language which is a language of international communication in areospace engineering; can integrate the information obtained, interpret it and evaluate critically, as well as draw conclusions, and formulate and justify opinions well.
Can set the goals of further education and organise his/her learning process.

Weryfikacja:

Prepared and evaluated report, oral presentation of the work.

**Powiązane charakterystyki kierunkowe:** Aero2\_U05

**Powiązane charakterystyki obszarowe:**

**Charakterystyka ML.ANW138\_U1:**

Can gather information from literature, databases and other chosen sources, also in English or another foreign language which is a language of international communication in areospace engineering; can integrate the information obtained, interpret it and evaluate critically, as well as draw conclusions, and formulate and justify opinions well.
Can set the goals of further education and organise his/her learning process.

Weryfikacja:

Prepared and evaluated report, oral presentation of the work.

**Powiązane charakterystyki kierunkowe:** Aero2\_U01

**Powiązane charakterystyki obszarowe:**

**Charakterystyka ML.ANW138\_U2:**

The student is able to present in writing the results of their work in the form of a short report.

Weryfikacja:

Prepared and evaluated report.

**Powiązane charakterystyki kierunkowe:** Aero2\_U03

**Powiązane charakterystyki obszarowe:**

**Charakterystyka ML.ANW138\_U3:**

The student is able in a short and clear way to present the results of their work in the form of oral expression during a meeting of several people.

Weryfikacja:

Oral presentation of the work.

**Powiązane charakterystyki kierunkowe:** Aero2\_U04

**Powiązane charakterystyki obszarowe:**

### Profil ogólnoakademicki - kompetencje społeczne

**Charakterystyka ML.ANW138\_K1:**

Understands the need for life-long learning; can inspire and organise the learning process of other people.

Weryfikacja:

Prepared and evaluated report, oral presentation of the work.

**Powiązane charakterystyki kierunkowe:** Aero2\_K01

**Powiązane charakterystyki obszarowe:**

**Charakterystyka ML.ANW138\_K2:**

The student understands the need of discussion, both in the aim of presenting own results, as well as the joint work on the issue.

Weryfikacja:

Oral presentation of the work.

**Powiązane charakterystyki kierunkowe:** Aero2\_K07

**Powiązane charakterystyki obszarowe:**

**Charakterystyka ML.ANW138\_K2:**

The student understands the need of discussion, both in the aim of presenting own results, as well as the joint work on the issue.

Weryfikacja:

Oral presentation of the work.

**Powiązane charakterystyki kierunkowe:** Aero2\_K04

**Powiązane charakterystyki obszarowe:**

**Charakterystyka ML.ANW138\_K2:**

The student understands the need of discussion, both in the aim of presenting own results, as well as the joint work on the issue.

Weryfikacja:

Oral presentation of the work.

**Powiązane charakterystyki kierunkowe:** Aero2\_K03

**Powiązane charakterystyki obszarowe:**

**Charakterystyka ML.ANW138\_K3:**

He/She is aware of non-technical aspects of engineering activity.

Weryfikacja:

Prepared and evaluated report, oral presentation of the work.

**Powiązane charakterystyki kierunkowe:** Aero2\_K02

**Powiązane charakterystyki obszarowe:**