

Nazwa w jęz. angielskim: *UAV in technical inspection*

Dane dotyczące zajęć:
Information on course:

Jednostka oferująca: Wydział Inżynierii Środowiska i Energetyki // dr inż. Andrzej Wilk
Course offered by: Faculty of Energy and Environmental Engineering // dr inż. Andrzej Wilk

Język wykładowy:
Angielski
Language:
English
Strona WWW: Course homepage:
Skrócony opis:
Short description:
Measurement methods, principles of operation and use of measuring instruments used by UAV. Regulations for the use of UAV.
Opis:
Description:
1. Airspace supervision and rules of using it, 2. Basics of aviation law, 3. Categories of pilot certificates for UAV, duties of a UAV pilot, 4. Classes of UAV, technical parameters of the equipment, types of air operations 5. Measurement methods used by UAV, 6. Principles of operation and use of measuring instruments used by UAV, 7. Rules for the development of measurement results obtained with the use of UAV, Number of contact hours involving academic staff or other lecturers and students: Lecture: 30 hours; Total number of hours: 30 Number of ECTS credits: 2
Literatura:
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Bibliography:
• Commission Delegated Regulation (EU) 2019/945 of 12 March 2019 on unmanned aircraft systems and on third-country operators of • unmanned aircraft systems • Commission Implementing Regulation (EU) 2019/947 of 24 May 2019 on the rules and procedures for the operation of unmanned aircraft • UAV manual. • Aviation Weather Handbook, U.S. Department of Transportation, Federal Aviation Administration, Washington, 2022 (FAA-H-8083-28)
Efekty uczenia się:
Learning outcomes:
Knowledge: the student knows and understands the basic problems of modern civilization in relation to the achievements of science and technology, Skills: the student is able to independently plan and implement their own lifelong learning,

Social competences: the student is ready to critically evaluate the knowledge they possess and the content they receive, recognize the importance of knowledge in solving cognitive and practical problems and seek expert opinions in the event of difficulties in solving a problem and practical problems on their own.

Metody i kryteria oceniania:

Assessment methods and assessment criteria:

Lecture:

Test. Passing criterion: obtaining at least 50% of the points.

Przynależność do grup przedmiotów w cyklach:

Element of course groups in various terms:

Opis grupy przedmiotów Course group description	Cykl pocz. First term	Cykl kon. Last term
przedmioty obieralne studia stacjonarne stopień studiów – dowolny kierunek studiów – dowolny, semestr dowolny elective courses full-time degree - any field of study - any semester - any	2024/25	