

Przedmiot: **Mechanics of Structures 2**

1080-BU000-ISA-0405

Koordynatorzy: **dr hab. inż. Grzegorz Dzierżanowski, prof. dr hab. inż. Tomasz Lewiński**Cykl: **rok akademicki 2024/2025 - sem. letni 2025L**Data zatwierdzenia: **18.02.2025**

## 1. Przeznaczenie przedmiotu

Course on the Mechanics of Structures 2 (MoS2) ac. year 2024/2025 is held during the sixth (summer) semester of First Degree (B.Sc.) studies at the Faculty of Civil Engineering in the amount of

lectures – 30 hours

tutorial meetings – 15 hours

project meetings – 15 hours

## 2. Prowadzenie zajęć

### 1. Lectures

1.1. Lectures are carried out according to the sixth semester schedule.

1.2. Students should attend the lectures.

1.3 Students may record sound and image during lectures only upon the consent of the lecturer. Should such consent be granted, the recorded materials may not be made publicly available.

### 2. Tutorial/project meetings

2.1. The following requirements are mandatory for taking the tutorial/project part of the MoS2 course: a) valid grades for the tutorial/project part of the course on Mechanics of Structures 1 and valid overall grade for the course on Theoretical Mechanics; b) registration in the USOS system on the lists for tutorial meetings (CWI) and project meetings (PRO).

2.2. Tutorial/project meetings are carried out according to the sixth semester schedule.

## 3. Materiały do przedmiotu

<https://mk.il.pw.edu.pl/index.php/pl/>

## 4. Obecność na zajęciach

Tutorial/project meeting attendance is controlled. Justification of non-attendance is not required, however absence from three meetings may result in dropping the student from the course roster.

Students should attend the lectures. Written tests during lectures may be organized.

Students may record sound and image during classes only upon the consent of the course tutor. Should such consent be granted, the recorded materials may not be made publicly available.

## 5. Weryfikacja osiągnięcia efektów uczenia się

Completing the project part of the course

Students are obliged to pass all tests and to complete and defend all parts of the project.

Projects are defended during instructor's office hours. Details of the solution and its presentation are evaluated together with the general knowledge relevant to the topic covered by given part of the project.

At least a satisfactory grade ("3") for each test is necessary for completing the tutorial part of the course. Main date and two resit ones are appointed for each test. The second resit date of a given test coincides with the main date of the next one. Students who fail in one test will be able to take the test of last resort. Students who fail in two tests are not allowed to take the test of last resort. Consequently, these students will have to re-take the entire tutorial/project part of the course.

Completing the tutorial part of the course

Two tests should be passed. Obtaining two positive grades is the necessary condition to complete the tutorial part of the course. Each test is organized 3 times: the basic term, the first resit and the additional resit, the latter being during the first term of the subsequent test. The students who did not pass (within the given schedule) one test can correct it in the test of the last resort ( R ). Students who fail in two tests are not allowed to take the test of last resort. Consequently, these students will have to re-take the entire tutorial/project part of the course.

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Moreover, additional written tests may be organized; the corresponding grades will contribute to the final grade of the tutorial part of the course.

The tests will be organized according to the schedule:

K1.1: gr. 1 -24.03.2025;

K1.2 : gr. 1 -31.03.2025;

K1.3, K2.1: 1 - 12.05.2025;

K2.2 : gr. 1 - 19.05.2025;

K2.3: gr. 1 - 26.05.2025;

The test of last chance - 13.06.2025 hour. 8.00

The tutorial/project final date of defence is June 28, 2025.

If either the tutorial or project part of the course is not passed prior to this date, it is necessary to retake the whole course.

Final grades for the tutorial/project part of the MoS2 course obtained in the academic year 2023/2024 entitle to take the examination in the winter exam session in the academic year 2024/2025 at the latest.

Final grades for the tutorial/project part of the MoS2 obtained in previous academic years are invalid and do not entitle to take the examination in the current examination of the course. Students whose tutorial/project grades are expired are obliged to retake the entire MoS2 course.

## Exam

The final exam on MoS2 is open for all students registered in the USOS system on the list for the lecture (WYK) and having: a) overall grades for courses on Mechanics of Structures 1 and Theoretical Mechanics; b) final degree for the tutorial/project part of the MoS2 obtained in the academic year 2024/2025.

Examination dates are set by the Dean.

Students are entitled to take examinations within the period of validity of final grades for the tutorial/project part of the course on MoS2. If the exam is not passed during this time, it is necessary to repeat the entire MoS2 course.

Students who wish to take an exam need to declare it by signing up for it through the USOSweb system. Students who do not sign up for the exam will be refused to take it.

Rules set in Annex 2 apply during the exam.

Examination consists of two parts: written and oral. The oral exam is not obligatory, which is explained in the next parts of the regulations. Oral part of the exam is organized on a date appointed during the written part. Substantial knowledge of student's own lecture notes is required for taking the oral part of the exam.

## 6. Pomoce dopuszczone do użycia podczas weryfikacji osiągnięcia efektów uczenia się

### POLICY APPLICABLE DURING TESTS AND EXAMS ON MECHANICS OF STRUCTURES CONDUCTED IN THE CLASSROOM LEARNING PROCESS

1. All devices, except for items necessary to conduct an exam, must be turned off and placed in students' bags. All bags must be put near the wall of the classroom, out of students' reach.
2. If a student does not have a bag, he or she puts a turned-off device on an examiner's desk.
3. The examiner is not responsible for students' devices.
4. None of the devices which receive or transmit data can be used as watches or calculators.
5. Students are allowed to have on their desks only the items necessary for writing a test such as: a pen or sheets of paper. All sheets must be signed with a student's name, surname and "indeks" number.
6. Student must put on the desk her or his "index" or Student Identity Card or other ID document including student's photograph.
7. The examiner should prepare a list of students sitting the exam and check every student's identity.
8. In accordance with Academic Regulations, if it is established that the student works with external assistance or uses unauthorized materials or devices or violates any rule described herein, the student loses the right to pass the course being currently pursued.
9. If such a situation takes place during a test or exam, the failing grade is entered immediately into the protocol.
10. The examiner informs in a written or electronic form the Vice-Dean for Academic Affairs and the Vice Dean for Student Affairs about a

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student who violated this policy. Having discussed the case with the faculty students' union the deans take further disciplinary action against the student.

11. The students whose lecture notes are approved and signed by the lecturer before June 12, 2025 can use these notes during the written exams. Other aids are not allowed during the written exams. Neither the unapproved notes nor any other aids can be used during the written exams.

## 7. Zasady zaliczenia przedmiotu i wystawiania oceny końcowej

1. The grade of the tutorial part is set on the basis of the grades of written tests
2. The grade of the project part is set on the basis of the projects and their defenses
3. The grade of the exam is set on the basis of three grades on three problems to be solved during the written exam. To pass the exam one should receive at least grade 3.0 from at least two problems. The final grade on the exam is computed according to the sum of grades on three problems:

0-7,5 – the final grade of the exam is 2,0

8,0-10,5 - the final grade of the exam is 3,0

11,0-12,5 - the final grade of the exam is 3,5

13,0-15,0 - the final grade of the exam is 4,0

Upon passing the written exam the highest grade cannot be bigger than 4.0.

a. The students who received (after the written exam) the grade 3.0 or higher can take the oral exam in order to improve the grade.

b. The grade on the exam is set on the written part, or on both the written and oral parts

The total grade is set after the exam as the arithmetic mean of the grades on the tutorial part, project part and the exam. However, if the oral examination has not been passed the total grade cannot exceed 4.0.

## 8. Termin i tryb ogłaszania ocen

The grades on the tutorial part and project part are introduced into the USOS system by the tutor not later than 30.06.2025.

The total grade is introduced into the USOS system by the lecturer after each exam session (June, September 2025, February 2026).

## 9. Zasady powtarzania zajęć z powodu niezaliczenia przedmiotu

The last day for completing the project part and the tutorial part of the course is 28.06.2025.

In case of not passing through the project part or the tutorial part of the course by the term mentioned above the whole course should be repeated.

The grades confirming completing the project part and tutorial part in the academic year 2024/2025 allow for taking the exam not later than during the winter session in February 2026. The earlier grades on the project part and tutorial part cease to be valid and do not allow for taking the exam in the current process of the course. A student having non-valid grades is obliged to repeat the whole course MoS2. The students can take the exam only within the valid terms i.e. so long as the grades on the project part and tutorial part are valid. The exam should be passed within the valid term, otherwise the whole course should be repeated.

## 10. Inne

Final regulations

Students pursuing the MoS2 course are obliged to read the course regulations. Comments may be submitted to the course coordinator by e-mail until 27.02.2025. After this date, course regulations are deemed to be known and accepted by all students of the course.

Other issues unmentioned in these Regulations should abide by the Academic Regulations of the Warsaw University of Technology.