

Rules of the course „ Neural Networks” (PE)

Basic information

- The course encompasses 15 two-hour lectures in remote mode with use Microsoft Teams program.
- Consultation hours: <https://ztmir.meil.pw.edu.pl/web/eng/Pracownicy/Contact-hours>
- The students can participate in consultations in other hours, subject to making an appointment by e-mail: akordecki@meil.pw.edu.

Evaluation

The passing methods is through is the test at the last lecture classes, which consists of two parts:

- Theoretical – single choice test,
- Task-based – calculate solution of problem.

The notes, formulas, cell phones and other aids other than the calculator cannot be used during test. Additionally, you can increase the grade for:

- Writing projects,
- Activity during classes.

Grades

The test results will be uploaded on the Neural Network website. Final grade:

$$G = (G_t + G_p + G_a)/25$$

where: G_t – test points in range 0-25, G_p – project points in range 0-4, G_a – activity points.

Grading scale [%]:

- Points 0 – 50: grade 2
- Points 51 – 60 grade: 3
- Points 61 – 70 grade 3.5
- Points 71 – 80 grade 4
- Points 81 – 90 grade 4.5
- Points 91 – 100 grade 5

Each participant has the right to improve the test result.

Attendance: Attendance at lectures is strongly encouraged, but is not considered compulsory,

Rules of the course „Neural networks for classification and identification” (Rob/EMARO)

Basic information

- The course encompasses 15 two-hour lectures and 15hrs tutorial exercise in remote mode with use Microsoft Teams program.
- Consultation hours: <https://ztmir.meil.pw.edu.pl/web/eng/Pracownicy/Contact-hours>
- The students can participate in consultations in other hours, subject to making an appointment by e-mail: akordecki@meil.pw.edu.

Evaluation

The passing methods is through:

- Examination test,
- Examination project.

Additionally, you can increase the grade for activity during classes.

Examination test consists of two parts:

- Theoretical – single choice test,
- Task-based – calculate solution of problem.

The notes, formulas, cell phones and other aids other than the calculator cannot be used during test. The students are not allowed to share information during the examination. The students must have an identification document with their photo.

Examination project consists of three parts:

- Report (theory) – front page, purpose of the work, description of the method and description of its implementation, obtained results with comments, short summary and bibliography (at least 5 positions).
- Program - code with comments. It has to contain all the necessary elements needed to run it, e.g. list of used libraries and images.
- Presentation (15 minute) .

The report, program and presentation should be submitted in electronic version by email.

Time schedule

- Examination test: The test will be at the last lecture classes.
- Examination project: The project report should be handed over in second part of December. The presentation will be given during the exercise in January. The order of the presentation in accordance with the date of handing over the work. The maximum number of presentations during exercise hour is 3. Information about presentation day will be send to the end of December.

The test and project results will be uploaded on the Neural Network website.

Grades

The student may attain the following maximum scores:

- 25 points for the examination test,
- 10 points for the examination project.

Final grade:

$$G = 0.7*(G_t + G_a)/25 + 0.3*(G_{proj} + G_{prog} + G_{pres})/10$$

where: G_t – test points in range 0-25, G_a – activity points, G_{proj} – project points in range 0-4, G_{prog} – project program points in range 0-4, G_{pres} – presentation points in range 0-2.

Grading scheme: Robotics

- Points 0 – 50: grade 2
- Points 51 – 60 grade: 3
- Points 61 – 70 grade 3.5
- Points 71 – 80 grade 4
- Points 81 – 90 grade 4.5
- Points 91 – 100 grade 5

Grading scheme: EMARO

<i>ECTS grade</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F/FX</i>
<i>Points</i>	100-90	89-80	79-70	69-65	64-60	59 or less
<i>Local grade</i>	5.0	4.5	4.0	3.5	3.0	2.0

Robotics students have the right to improve the test result.

Attendance

- Attendance at lectures is strongly encouraged, but is not considered compulsory,
- Attendance at exercises is compulsory.