Self-work in "Applied Microeconomics" in 2021-2022

1. The student's number is determined by a draw, which will be conducted by the teacher.
2. Tasks of self-work are RESEARCH and CREATIVE, and therefore it is necessary to research the problem, determine its prospects for development and retrospectives of analysis, to offer their **own** vision of solving the problem. When developing your own model**, all the assumptions used should be clearly stated.**
3. To complete the task, you need to prepare a report and make a speech on the topic specified in your variant. The report should highlight the main aspects of the topic, identify relevant authors and analyse the literature, which supports the theory (at least 10 sources), provide a statement of the problem, ways to solve it, existing scientific discussions, and illustrate the solution with graphs, formulas. The main attention should be paid to the original works of the respective authors (all references should be given in the presentation). It is recommended to use the source suggested for the topic, but it is only the beginning of the search for information! Also based on the presented information, it is necessary to develop a simulation or other model to illustrate the topic of the main speaker based on MODEL data that **can be changed by the user**. The model should take into account all economic entities mentioned in the report. Using the model and different options for starting conditions, show the results of modelling, and conclude the suitability of a theory. It is necessary to provide input of initial data during the presentation and demonstration of the modelling process.
4. An electronic version of the report (presentation in MS PowerPoint format[1]) with a file name in the format SURNAME_SPEECH_TOPIC, electronic version of the model with a file name in the format SURNAME_MODEL_TOPIC) at a.stavytskyy@knu.ua.

[1] The size of the fonts in the presentation **should not** be less than 24, and the number of words on one slide - more than 50. If you need to place additional large materials, you should use the tool "notes".

5. The presentation of the work will be carried out on the last 4 pairs of the discipline. The total speaking time is 15 minutes. It **is forbidden to read text from the screen or other media** during the speech, the oral report should be different from what is written on the slide. Remember that your speech is a presentation first of all of you! During the presentation of the model, it is allowed to run demonstration videos to illustrate the work of the program.
6. The results of the performances are evaluated according to the following criteria:

- **compliance with the approved schedule for submission of works and their presentation;**
- **timely delivery of works (late submission of electronic materials leads to a decrease in the overall score by 50%);**
- correctness and completeness of coverage of the topic, its presentation;
- the number of **actually** processed sources;
- **creative** rethinking of the topic;
- the quality of **the constructed model**, the number of considered options and initial conditions, the ease of use of the model;
- **own approach** to the analysis of the proposed topic;
- availability of own examples and their number;
- compliance with the conditions for formatting documents and presentations;
- the complexity of the invented problems and the correctness of their solution;
- **competence to participate in discussions** on the topics of speeches during the semester, as well as the **continuity** of participation in discussions.

7. In case of technical, organizational or force majeure problems, the teacher has the right to change the dates of performances.
8. The final results of the evaluation of self-work will be published in the electronic journal of the group AFTER the last class of the course, based on a maximum score **of 20 points**.

Themes of works

№	Topic	Main file
1.	Application of life cycle models	http://www.nber.org/papers/w23972.pdf
2.	Inequality distribution in the market conditions	http://www.nber.org/papers/w22850.pdf
3.	Immigration qualified working forces	http://www.nber.org/papers/w23387.pdf
4.	Problems of wages in the public sector	http://www.nber.org/papers/w22966.pdf
5.	Influence of technological changes on microeconomic indices	http://www.nber.org/papers/w23127.pdf
6.	The role of technology changes in microeconomics	http://www.nber.org/papers/w23315.pdf
7.	Productivity work in conditions of market failures	http://www.nber.org/papers/w23905.pdf
8.	Models of optimal taxation	http://www.nber.org/papers/w22664.pdf
9.	Incentives through taxes	http://www.nber.org/papers/w23391.pdf
10.	Modelling auctions	http://www.nber.org/papers/w23770.pdf
11.	Analysis trade policy	http://www.nber.org/papers/w23237.pdf
12.	Microeconomics insurance	http://www.nber.org/papers/w23579.pdf
13.	Shocks in the model effective demand	http://www.nber.org/papers/w18420.pdf