

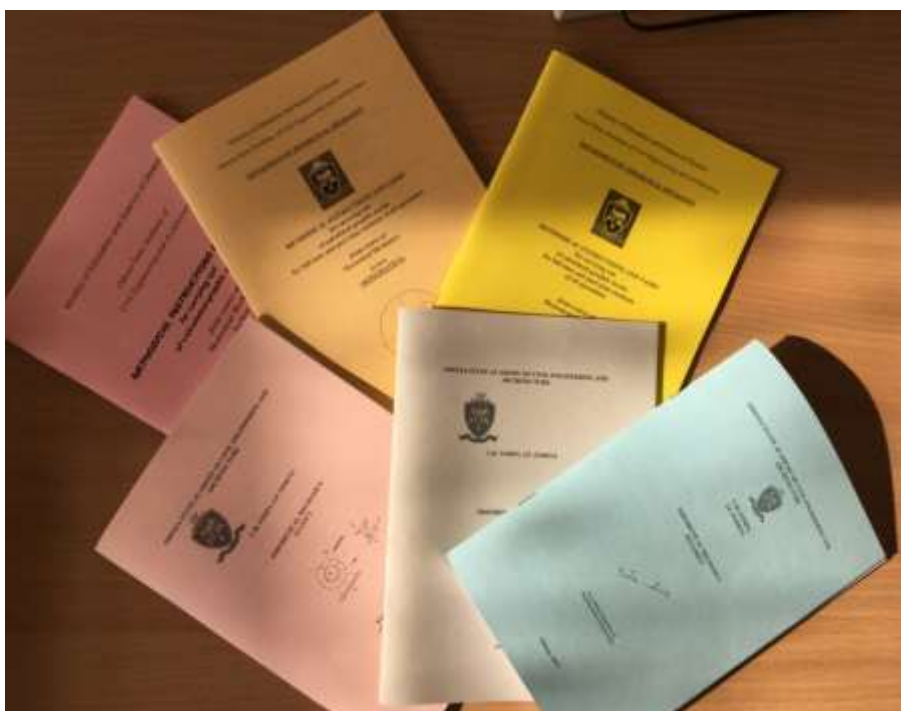
METHODS OF TEACHING COURSES DEPARTMENTS OF THEORETICAL MECHANICS AT ENGLISH

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Modern science and production are unthinkable without cooperation with colleagues from different countries of the world.

The ever-changing structure of science and the non-evasive scientific progress makes it necessary to constantly peak the news.

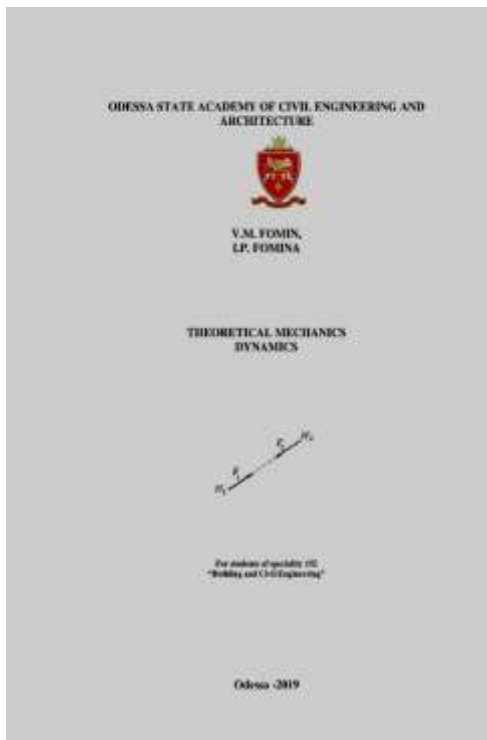


Numerous international congresses in various fields of science and technology provide the need for communication, exchange of views and knowledge with scientists, engineers in different countries of the world in various foreign languages. In order to communicate

their innovations in science and technology, and especially in production, modern specialists are printed a lot in one-person scientific and specialized publications, where the language of communication is, in particular, English.

Many students and teachers are constantly sharing experiences in other countries of the world. Therefore, the question of a thorough and thorough study of foreign languages is coming to an end. Thus, the beginning of this study is laid in the form of teaching students in English, in particular, the course "Theoretical Mechanics" and in the future a special course "Dynamic models in engineering problems".





For the qualitative presentation of the material by the teachers of the Department of Theoretical Mechanics, courses of the subjects read were drawn up in the form of lecture summaries for sections of theoretical mechanics: "Static", "Kinematic", "Dynamics". Also, for these sections, methodical instructions were drawn up for solving the calculated - graphic tasks.

Each edition is provided with a detailed theoretical material with isolated axioms, theorems and definitions. Also at the end of each topic there are examples of solving problems and questions for self-control, as well as drawings. These materials are published both in hard copy and electronically.

Students and teachers communicate in English in the classroom, but if there are specific questions they can supplement them in Ukrainian, and in Russian.

If a student wants to discuss a topic or questions about the solution of a problem, he/she can visit the instructor for consultation, the plan approved at the meeting of the department.

In order to improve the language training, teachers also attend foreign language courses both at our Academy and outside it, as well as regularly participate in various international conferences with reports and articles.

Also, in the future, when students begin to study the special course «Dynamic models in engineering tasks», for them the entire package of methodical material in English has been prepared. This package includes a course of lectures and tasks for performing design works. Students have the opportunity to prepare themselves for the classes, since all the methodical materials are executed in electronic form and are equipped with a large number of examples and theoretical questions to independently test students' knowledge. Teachers are preparing for the publication and tutorial on a readable special course. Students also prepare articles and reports on the courses of the department and publish them in various publications.

