Title of the dyscipline	**3-113-8 Основи механіки руйнування / Fundamentals of fracture mechanics**
Recommended for the field of knowledge (specialty, educational program)	11 Mathematics and statistics
Chair	Theoretical and computer mechanics
Name of Professor *(if possible)*	Loboda V.V.
Level of higher education	III
Course (where it will be taught)	II
Language of teaching	English
Requirements for starting the study of the discipline	Master's degree in the field of study 11
What will be studied	Models and methods of Fracture Mechanisc
Why is it interesting/should be studied?	Knowledge of modern modeling methods is the key to success in solving important problems of Fracture Mechanisc
Why you can learn (learning outcomes)	You can learn modern methods, in particular, using modern application software packages
How to use acquired knowledge and skills (competencies)	To be used in the modeling of various phenomena and processes related to the failure of important constructive elements
Information support	Student versions of "Mathematica" software
Types of educational classes (lectures, practical, seminar, laboratory classes, etc.)	Lectures and practical classes
Type of semester control	Diff. test
The maximum number of students	30

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