

# TEACHING SUBJECTS IN DEPARTMENT

## BACHELOR

№	Item Title	Briefly about the subject
1	Theoretical Mechanics	Theoretical mechanics studies the basic rules and concepts of mechanical motion and the interaction of bodies related to each other.
2	Strength of materials	It studies the strength and stability of elements of construction installations, formulas for the stability and mobility of these elements and the formulas by which these calculations are made.
3	Constructional mechanics	It studies the calculating schemes of installations, their strength under the influence of various forces, methods of calculating the stability and strength of installations .
4	Strength of materials. Constructional mechanics	It studies the strength and stability of elements of installation`s construction, formulas for the stability and mobility of these elements and the formulas by which these calculations are made. It studies the calculating schemes of installations, their strength under the influence of various forces, methods of calculating the stability and strength of installations .
5	Strength of materials and constructional mechanics	It studies the strength and stability of elements of constructive installations, formulas for the stability and mobility of these elements and the formulas by which these calculations are made. It studies the calculating schemes of installations, their strength under the influence of various forces, methods of calculating the stability and strength of installations .
6	Theoretical and Applied Mechanics (Strength of materials)	Theoretical mechanics studies the basic rules and concepts of mechanical motion and the interaction of bodies relative to each other. It studies the strength and stability of elements of constructive installations, formulas for the stability and mobility of these elements and the formulas by which these calculations are made.
7	Environmental safety assessment	Strength of elements of environmental objects, formulas for assessment and calculation of strength and stability of environmental objects.
8	Constructional mechanics and installations for seismic steadiness	It studies the strength and stability of elements of installations` construction, the formulas for the stability and mobility of these elements, and the formulas by which these calculations are made, the dampness of seismic waves on installations, the causes of earthquake and the calculations of installations for steadiness.

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**MASTER`S DEGREE**

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**№ Item Title****Briefly about the subject**

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| 1 | The use of mathematical modeling in agriculture and water management | The study and use of irrigation and melioration, water industry of mathematical modeling by future specialists – It will help them to solve scientific, technical and engineering problems, and solve the fundamental issues. |
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