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# Elements Of Mechanical Engineering

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1. Solve complex technical problems related to mechanical environments and evaluate solutions according to accepted engineering principles.
2. Design and analyze mechanical components, processes, and systems through the application of complex engineering principles and practices.
3. Machine element - Wikipedia

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This is an advanced course on modeling, design, integration and best practices for use of machine elements such as bearings, springs, gears, cams and

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mechanisms. Modeling and analysis of these elements is based upon extensive application of physics, mathematics and core mechanical engineering principles (solid mechanics, fluid mechanics, manufacturing, estimation, computer simulation, etc.).

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motion."

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