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~~Course Listing for Mechanical Engineering~~

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Using simulations, we investigate the thermodynamics of chiral block copolymers ... applies ab-initio techniques to investigate problems in catalysis such as methane activation on various chalcogenide ...

## Research Areas

I was told by a family member that I didn't have a scientific bone in my body, but that didn't stop me being excited and interested in chemical reactivity, and the molecular mechanisms that underpin ...

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Winner: 2022 Corday-Morgan Prize

We develop theories and computer algorithms to reveal the underlying physical principles that govern the complex kinetics ... the intricate catalytic kinetic information, for instance, activation ...

~~Chemistry Department Faculty~~

Mushrif, " First-Principles Investigation of the Coupling-Induced Dissociation ... English, "Dramatic C-C Bond Activation on Protonation of the Persistent Nitroxyl Radical TEMPO • ", invited article for ...

~~Gilles Peslherbe, PhD~~

Our lab specializes in a diverse arsenal of biophysical techniques to determine the affinity, thermodynamics and kinetics of nuclear ...

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Research Interests: Cell and tissue engineering, extracellular ...

## Faculty in the Center for Neuroscience

Topics include force and motion, vectors, gravity, energy and momentum, heat and thermodynamics ... on the fundamental physics principles aimed at upper level undergraduate and graduate students in ...

## Physics & Applied Physics Course Listing

Statistical distributions useful in general insurance. Inferences from general insurance data. Experience rating. Credibility theory: full credibility, partial credibility, Bayesian credibility.

## Undergraduate Courses



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In particular, we leverage a variety of molecular compounds developed in the context of the collaborative research center on “ Intelligent Matter ” (CRC 1459) to realize nonlinear activation ... and ...

~~Colloquium Winter Term 2022/2023~~

Newton ' s law of cooling and Stefan ' s law. UNIT VIII:

Thermodynamics • Thermal equilibrium and definition of temperature (zeroth law of Thermodynamics). Heat, work and internal energy.

~~NEET UG Syllabus~~

Elective courses that fulfill the technical competency requirement are as follows. Note that required courses in the major may not be used to fulfill the elective distribution. Additionally, courses ...

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~~Concentrations and Technical Electives~~

This course is a first introduction to the main topics of environmental science, with emphasis on human interactions with the environment. Sustainability is a unifying theme throughout the course. The ...