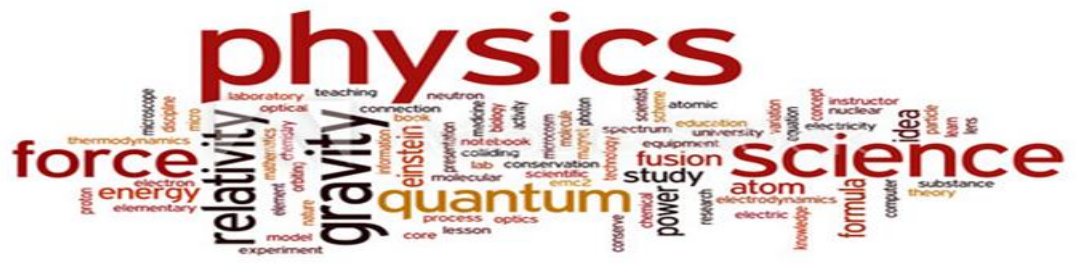


Dual Enrollment Physics



#66713897

Questions? Contact Mrs. Mukherjee at piyasi.mukherjee@lcps.org

- Prerequisite: excelled in Research Chemistry
- Will earn 8 college credits
- Course covers the equivalent of one full year of college level General Physics
- A rigorous math-based course with a strong laboratory component.
- Students should have a passion for Physics and Mathematics

Big Ideas in Dual Enrollment Physics:

1. Mechanics
2. Vibrations and Waves
3. Optics
4. Fluid dynamics
5. Electricity and Magnetism
6. Heat and Thermodynamics
7. Quantum Physics
8. Nuclear physics
9. Atomic physics and Radioactivity

Assignments:

- Homework every night
- Lab reports are graded
- Most Labs will contain a Quiz
- No make-up allowed for any test or quiz
- No extra credit or minimum grades

Assessments:

- Quiz per unit
- Test per unit to include multiple choice and free response
- Cumulative assessments at the middle of each semester

Workload:

- Expect a college-level workload
- Expect 4-6 hours of homework every week in addition to review
- Expect to go home and review notes daily
- Expect a summer assignment

Semester Exams:

- 1st Semester exam Given in January
- 2nd Semester Exam given in May

Description of Dual Enrollment Physics:

NOVA courses *PHY 201* & *PHY 202* will be covered in two semesters.

Total **8 college credits** can be earned (4 credits for Physics 201 and 4 credits for Physics 202). To get college credit, a student should have a **C (70%)** or better. Credits offered by NVCC. No cost for the credits for dual enrollment students.

Dual Enrollment Physics is a rigorous, college-level course that uses a highly mathematical approach (also fulfills college physics laboratory course requirements). Students learn and use many algebraic and trigonometric concepts while investigating physics content. Laboratory work includes graphical analysis. The course is a non-calculus treatment of physics dealing with topics in classical and modern physics.

Dual enrollment students will have access to full NOVA campus services to include tutoring, library, and counseling services.