College Physics I
PH1110, 3 credits

An overview of basic principles of:

Kinematics
Dynamics
Elasticity
Fluids
Heat
Thermodynamics
Mechanical Waves
(including Interference and Diffraction)

College Physics II
PH1210, 3 credits

An overview of basic principles of:

Static Electricity and Fields
Circuits
Magnetism and Electromagnetic Induction
Electromagnetic Waves
Physical and Geometric Optics
Einstein’s Theory of Relativity
Wave Theory of Matter
Theories of the Atom,
The Nucleus, and Elementary Particles
Online Learning

College Physics I and College Physics II are online courses offered by Michigan Tech to high school and early college students during the summer and fall semesters. You enroll in the course as part of the dual enrollment program, which allows high school students to complete both high school and college classes at the same time.

Each course is a 3-credit college-level algebra-based physics course. This means you do not need to have taken any calculus, but a strong background in algebra and trigonometry is needed. If a high school physics course is available at your school, you should also have completed it with a “B” or better before enrolling in College Physics I. College Physics I (or an equivalent) must be completed before enrolling in College Physics II.

If you earn a “C” or better in either College Physics course, you can use the credits to meet degree requirements at Michigan Tech or transfer the credits to other universities.

How does it work?

Students purchase and read a college-level text. They watch recorded, online lectures and demonstrations through the internet at times of their choosing, answering questions online as the lectures proceed. Students complete homework assignments through an internet homework tool on a regular schedule. They “meet” with an instructor on an arranged schedule and by request through a conferencing tool to ask questions, discuss concepts, and see solutions to homework problems.

What is the schedule?

The course follows Michigan Tech’s academic calendar. Course offerings are as follows:

College Physics I - Summer Track A
(May 14 - June 29, 2007)
*College Physics II - Fall Semester
(Sept 4 - December 21, 2007)

*You must complete College Physics I or an equivalent before taking College Physics II.

Can I get extra help?

Online office hours are available throughout the day by appointment. For example, you could connect with the instructor during a study hall or after school.

What is the cost?

The cost is 3-credits tuition, ($827.10 in-state, $2004.00 out-of-state in 2006-07) plus applicable fees ($122.50 in 2006-07) and the cost of the textbook. Under the dual-enrollment plan, your school may pay for part of your tuition if you have exhausted all possible alternative courses at your school. Talk to your school administrator to find out the specific cost to you. A bill is mailed directly to you reflecting the entire cost of the course. You may need to coordinate payments to Michigan Tech with your school administrator if your district has agreed to share the cost.

How do I register?

You can register for this and other online courses at www.techonline.mtu.edu.

Your school must also send a copy of your transcripts and a letter stating that you are eligible for dual enrollment.

How do I get ready?

Purchase the textbook before the class begins. You can do this online at: www.bookstore.mtu.edu/michtech/ and then clicking on “textbooks”.

Additional course information will be sent to you (and your school, if applicable) about one week before the course begins.

Questions? Contact

Your school’s administrator and/or:

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