

## Physics Courses



## Fall 2012

Course information is posted here as made available by instructors.

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## Astronomy Courses

- **Dr. Daunt's Courses** (<http://www.phys.utk.edu/daunt/>)
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## Physics Courses

- **Astrophysics 490: An Introduction to General Relativity, Black Holes, and Cosmology** (<http://eagle.phys.utk.edu/guidry/astro490/>) (Dr. Michael Guidry)
- **Physics 101: How Things Work (Fall-2012/phys101-cheney.pdf)** (Dr. Christine Cheney)
- **Physics 135: Introduction to Physics for Physical Science Majors and Mathematics Majors I** (<http://labman.phys.utk.edu/phys135/>) (Dr. Marianne Breinig)
- **Physics 135: Introduction to Physics for Physical Science Majors and Mathematics Majors I (Fall-2012/phys135-elston.pdf)** (Dr. Stuart Elston)
- **Physics 221: Elements of Physics I (Fall-2012/physics221ef/221-index.html)** (Dr. Yuri Efremenko)
- **Physics 221: Elements of Physics I** (<http://www.phys.utk.edu/jmannik/Syllabus%20PHY221.html>) (Dr. Jaan Mannik)
- **Physics 222: Elements of Physics II** (<http://labman.phys.utk.edu/phys222/>) (Dr. Marianne Breinig)
- **Physics 231: Fundamentals of Physics-Electricity and Magnetism (Fall-2012/phys231-spanier.pdf)** (Dr. Stefan Spanier)
- **Physics 311: Classical Mechanics (Fall-2012/phys311-sorensen.pdf)** (Dr. Soren Sorensen)
- **Physics 341: Elementary Nuclear Physics (Fall-2012/phys341-iones.pdf)** (Dr. Kate Jones)
- **Physics 361: Electronics Laboratory I (Fall-2012/phys361-elston.pdf)** (Dr. Stuart Elston)
- **Physics 411: Introduction to Quantum Mechanics (Fall-2012/phys411-greene.pdf)** (Dr. Geoff Greene)

- **[Physics 431: Electricity and Magnetism \(Fall-2012/phys431-mannella.pdf\)](#)** (Dr. Norman Mannella)
  - **[Physics 505: Physics of Fluids \(Fall-2012/phys-courses-parigger.html\)](#)** (Dr. Christian Parigger)
  - **[Physics 513: Problems in Theoretical Physics I \(http://electron9.phys.utk.edu/phys513/\)](http://electron9.phys.utk.edu/phys513/)** (Dr. Marianne Breinig)
  - **[Physics 531: Graduate Classical Mechanics \(http://web.utk.edu/~kamyshko/P531/P531\\_Fall2012.html\)](http://web.utk.edu/~kamyshko/P531/P531_Fall2012.html)** (Dr. Yuri Kamyshkov)
  - **[Physics 571: Mathematical Methods in Physics I \(http://scs.phys.utk.edu/~moreo/mm12/index\)](http://scs.phys.utk.edu/~moreo/mm12/index)** (Dr. Adriana Moreo)
  - **[Physics 571: Mathematical Methods in Physics I \(Fall-2012/phys-courses-parigger.html\)](#)** (Same as Math 517) (Dr. Christian Parigger)
  - **[Physics 599: Particle/Astro/Cosmology Seminars \(Fall-2012/phys599-particle-seminar.pdf\)](#)**
  - **[Physics 602: Atomic Physics \(Fall-2012/phys-courses-parigger.html\)](#)** (Dr. Christian Parigger)
  - **[Physics 611: Quantum Field Theory I \(http://aesop.phys.utk.edu/ph611/\)](http://aesop.phys.utk.edu/ph611/)** (Dr. George Siopsis)
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## Physics Labs

- **[Physics 137 Lab \(Fall-2012/lab-phys137-harris.pdf\)](#)** (James Austin Harris)
  - **[Physics 221 Lab \(Section 018\) \(Fall-2012/lab-221-018-hussein.pdf\)](#)** (Mostafa Hussein)
  - **[Physics 221 Lab \(Section 022\) \(Fall-2012/lab-221-022-hussein.pdf\)](#)** (Mostafa Hussein)
  - **[Physics 221 Lab \(Fall-2012/lab-phys221-tubergen.pdf\)](#)** (Joseph Tubergen)
  - **[Physics 222 Lab, Section 001 \(Fall-2012/lab-phys222-001-rezaee-papatheodore.pdf\)](#)** (Mohammad Reza Rezaee and Thomas Papatheodore)
  - **[Physics 222 Lab, Section 002 \(Fall-2012/lab-phys222-002-rezaee-copinger.pdf\)](#)** (Mohammad Reza Rezaee and Patrick Copinger)
  - **[Physics 222 Lab \(Fall-2012/lab-phys222-allen-taylor.pdf\)](#)** (Ronald Allen/Steven Taylor)
  - **[Physics 222 Lab \(Fall-2012/lab-phys222-copinger-rawl.pdf\)](#)** (Patrick Copinger/Ryan Rawl)
  - **[Physics 222 Lab \(Fall-2012/lab-phys-222-rawl-taylor.pdf\)](#)** (Ryan Rawl/Steven Taylor)
  - **[Physics 222 Lab \(Fall-2012/lab-phys222-sirica.pdf\)](#)** (Nicholas Sirica)
  - **[Physics 231 Lab \(Section 002\) \(Fall-2012/lab-phys231-002-coello.pdf\)](#)** (Eduardo A. Coello)
  - **[Physics 231 Lab \(Section 011\) \(Fall-2012/lab-phys231-011-coello.pdf\)](#)** (Eduardo A. Coello)
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