

## **Physics & Astronomy**

<u>Overview</u>

Academics & Admissions

**Programs** 

**Minors** 

**Courses** 

Faculty

## Courses

- <u>Astr 101: Descriptive Astronomy I</u>
- <u>Astr 102: Descriptive Astronomy II</u>
- <u>Astr 103: Intro Astronomy of the Solar System</u>
- Astr 104: Intro Astronomy of Stars and Galaxies
- <u>Astr 204: Astronomy of Stars and Galaxies</u>
- <u>Astr 325: Astrophysics</u>
- <u>Astr 436: Introduction to Cosmology</u>
- Phys 101: Introduction to Physics I
- Phys 102: Introduction to Physics II
- Phys 107: Conceptual Physics I
- Phys 108: Conceptual Physics II
- Phys 111: Physics of Sound & Music
- Phys 112: Physics of Light, Color, & Art
- Phys 123: Physics of the Atmosphere
- Phys 201: Physics Toolbox
- Phys 211: Physics for Science & Engineering I
- Phys 212: Physics for Science & Engineering II
- Phys 213: General Physics I
- Phys 214: General Physics II
- Phys 215: Physics for Pharmaceutical Sciences
- Phys 221: Lab Physics for Science & Engineering I
- Phys 222: Lab Physics for Science & Engineering II
- Phys 223: Laboratory Physics I
- Phys 224: Laboratory Physics II
- Phys 303: Physical Theory and Techniques
- Phys 308: Mathematical Physics
- Phys 309: Thermodynamics
- Phys 310: Mechanics
- Phys 313: Physics & Biophysics of Air & Water
- Phys 315: Radiation Science
- Phys 317: Introduction to Modern Physics I
- Phys 318: Introduction to Modern Physics II
- Phys 319: Optics
- Phys 321: Electronics
- Phys 401: Electromagnetic Theory I
- Phys 402: Electromagnetic Theory II
- Phys 413: Introduction to Biophysics
- Phys 415: Radiation Physics Laboratory
- Phys 417: Modern Physics Laboratory
- Phys 422: Digital Electronics & Microprocessors
- Phys 425: Nuclear & Particle Physics Laboratory
- Phys 427: Introduction to Condensed Matter Physics
- Phys 436: Introduction to Cosmology
- Phys 451: Introduction to Quantum Mechanics
- Phys 461: Senior Seminar
- Phys 463: Senior Research Project
- Phys 464: Senior Research Project
- <u>Phys 498: Senior Review</u>

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- Phys 501: Intermediate Electromagnetic Theory I
- Phys 502: Intermediate Electromagnetic Theory II
- Phys 503: Selected Topics in Physics I
- <u>Phys 507: Directed Research</u>
- Phys 510: Physics and Astronomy Colloquium
- Phys 511: Physical Acoustics Seminar
- Phys 514: Physics of Medical Imaging
- Phys 521: Acoustics
- Phys 522: Acoustics Laboratory
- Phys 525: Ultrasonics
- Phys 530: Independent Study in Physics I
- Phys 532: Advanced Acoustics Laboratory
- Phys 533: Survey of Topics in Physics I
- Phys 534: Survey of Topics in Physics II
- Phys 540: Introduction to Scientific Computing
- Phys 605: Advanced Acoustics
- Phys 607: Atomic and Nuclear Physics
- Phys 629: Selected Topics in Physics I
- Phys 630: Selected Topics in Physics II
- Phys 634: Electronics in Research
- Phys 636: Advanced Physical Optics
- Phys 637: Fluid Dynamics
- Phys 651: Mathematical Methods of Physics I
- Phys 652: Mathematical Methods of Physics II
- Phys 695: Physics Research Project
- Phys 697: Thesis Research in Physics
- Phys 709: Advanced Mechanics I
- Phys 710: Advanced Mechanics II
- Phys 711: Quantum Mechanics I
- Phys 712: Quantum Mechanics II
- Phys 717: Modern Physics I
- Phys 718: Modern Physics II
- Phys 721: Advanced Electromagnetic Theory I
- Phys 722: Advanced Electromagnetic Theory II
- Phys 723: Nuclear Physics I
- Phys 724: Nuclear Physics II
- Phys 725: Solid State Physics I
- Phys 726: Solid State Physics II
- Phys 727: Adv Thermodynamics/Statistical Mech I
- Phys 728: Adv Thermodynamics/Statistical Mech II
- Phys 731: Quantum Field Theory I
- Phys 732: Quantum Field Theory II
- Phys 733: Elementary Particle Physics
- Phys 735: Gravitational Physics
- Phys 749: Advanced Topics in Physics I
- Phys 750: Advanced Topics in Physics II
- Phys 795: Advanced Physics Research Project
- Phys 797: Dissertation

