

## **Physics & Astronomy**

**Overview** 

## Academics & Admissions

**Programs** 

<u>Minors</u>

**Courses** 

Faculty

## Courses

- Astr 101: Descriptive Astronomy
- Astr 103: Intro Astronomy of the Solar System
- Astr 104: Intro Astronomy of Stars and Galaxies
- Astr 204: Astronomy of Stars and Galaxies
- <u>Astr 325: Astrophysics</u>
- <u>Astr 340: Introduction to Astrochemistry</u>
- <u>Astr 360: Introduction to Astrobiology</u>
- <u>Astr 436: Introduction to Cosmology</u>
- Phys 101: Introduction to Contemporary Physics I
- Phys 102: Introduction to Contemporary Physics II
- <u>Phys 107: Conceptual Physics I</u>
- 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 I
- Phys 202: Physics Toolbox II
- 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
- <u>Phys 222: Lab Physics for Science & Engineering II</u>
- <u>Phys 223: Laboratory Physics I</u>
- Phys 224: Laboratory Physics II
- Phys 301: Intro to Physics Careers and Research
- 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
- <u>Phys 321: Electronics</u>
- Phys 401: Electromagnetic Theory I
- Phys 402: Electromagnetic Theory II
- Phys 413: Introduction to Biophysics
- <u>Phys 415: Radiation Physics Laboratory</u>
- 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
- <u>Phys 461: Senior Seminar</u>

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- Phys 463: Senior Research Project
- Phys 464: Senior Research Project
- Phys 498: Senior Review
- Phys 501: Intermediate Electromagnetic Theory I
- <u>Phys 502: Intermediate Electromagnetic Theory II</u>
- Phys 503: Selected Topics in Physics
- Phys 507: Directed Research
- Phys 510: Physics and Astronomy Colloquium
- <u>Phys 511: Physical Acoustics Seminar</u>
- Phys 514: Physics of Medical Imaging
- <u>Phys 521: Acoustics</u>
- <u>Phys 522: Acoustics Laboratory</u>
- <u>Phys 525: Ultrasonics</u>
- Phys 530: Independent Study in Physics I
- <u>Phys 532: Advanced Acoustics Laboratory</u>
- Phys 533: Survey of Topics in Physics I
- Phys 534: Survey of Topics in Physics II
- Phys 540: Introduction to Scientific Computing
- <u>Phys 605: Advanced Acoustics</u>
- Phys 607: Atomic and Nuclear Physics
- Phys 629: Special Topics in Physics
- Phys 630: Independent Study in Physics II
- Phys 634: Electronics in Research
- Phys 636: Advanced Physical Optics
- Phys 637: Fluid Dynamics
- <u>Phys 651: Mathematical Methods of Physics I</u>
- <u>Phys 652: Mathematical Methods of Physics II</u>
- Phys 695: Physics Research Project
- Phys 697: Thesis Research in Physics
- <u>Phys 709: Advanced Mechanics I</u>
- <u>Phys 710: Advanced Mechanics II</u>
- Phys 711: Quantum Mechanics I
- Phys 712: Quantum Mechanics II
- Phys 717: Modern Physics I
- Phys 718: Modern Physics II
- <u>Phys 721: Advanced Electromagnetic Theory I</u>
- <u>Phys 722: Advanced Electromagnetic Theory II</u>
- <u>Phys 723: Nuclear Physics I</u>
- 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
- Phys 750: Independent Study in Physics III
- Phys 795: Advanced Physics Research Project
- Phys 797: Dissertation

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