Physics Department Contacts

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Physics Club  
*President* – Sofya Levitina, [sofya.levitina@uconn.edu](mailto:sofya.levitina@uconn.edu)  
*Faculty Advisor* – Dr. Matt Guthrie, [guthrie@phys.uconn.edu](mailto:guthrie@phys.uconn.edu)

Undergraduate Women in Physics  
*President* – Danya Alboslani, [danya.alboslani@uconn.edu](mailto:danya.alboslani@uconn.edu)  
*Faculty Advisor* – Nora Berrah

The PLRC is located in **Gant South 216**, Staffed by physics grad students, this is an excellent resource for physics majors.

University Contacts

CLAS Academic Services Center – 860-486-2822, [http://clasadvising.uconn.edu/](http://clasadvising.uconn.edu/)  
*Advising and other academic services; online forms such as Excess Credit Request, Late Drop Petition, CLAS Online Program Change; Dean’s signature*

Undergraduate Catalog – [http://catalog.uconn.edu/](http://catalog.uconn.edu/)

*Registration issues, academic calendar, final exam schedule*


Counselling and Mental Help Services – 860-486-4705, [http://counseling.uconn.edu/](http://counseling.uconn.edu/)
The Academic Achievement Center – http://achieve.uconn.edu/
The Academic Achievement Center assists students in attaining their academic and personal goals by providing a comprehensive, personalized array of programs, resources, and services which enhance skill development, effective decision-making, and personal transitions to and within the university setting.

The Writing Center – http://writingcenter.uconn.edu/
Tutoring, drop in and by appointment

Physics Department Events

Weekly Physics Colloquium
The Physics Department holds colloquia every Friday afternoon 3:30 – 4:30. Students and visitors are welcome!

Physics Club
Meets every other Thursday, 6:30 for pizza, and a presentation by a faculty member or visiting scholar.

Waffle Wednesdays, Movie Nights, and Liquid Nitrogen Ice Cream
Throughout the year, as needed!

Mount Monadnock Hike and BBQ
Typically in October, the Physics Department travels to New Hampshire to hike Mount Monadnock. This is a 5 mile hike with 1700 ft elevation gain, at the height the fall colors. All are welcome!

Holiday Party, Ice Cream Social, and End of Year Picnic
Early in the fall semester we have an ice cream social; we conclude the semester with a potluck holiday party; and we end the year in May with a department picnic.

Summer Research Opportunities Seminar
Scheduled for late in the fall semester, a tutorial in applying for summer research funding – REU applications (Research Opportunities for Undergraduates); SURF Awards (Summer Undergraduate Research Fund Awards); SULI Internships; SLAC Summer Positions; The Mark Miller Undergraduate Research Award; NASA CTGC Student Grant and Scholarships.
PHYSICS MAJOR TRACKS

- General Option (BS)
- Applied Option (BS)
- Bachelor of Arts (BA)
- Engineering Physics (application required)
- Math-Physics (BS)
- Astrophysics minor

More information on the undergraduate program as well as Plans of Study for each concentration can be found here: https://physics.uconn.edu/undergraduate/

PHYSICS COURSE BY SEMESTER

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog</th>
<th>Course Title</th>
<th>Semester Offered</th>
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<tbody>
<tr>
<td>PHYS</td>
<td>1040E</td>
<td>Cosmic Origins of Life</td>
<td>Spring</td>
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<tr>
<td>PHYS</td>
<td>1075Q</td>
<td>Physics of Music</td>
<td>Fall alternate years odd</td>
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<td>PHYS</td>
<td>1201Q</td>
<td>General Physics</td>
<td>Fall Spring</td>
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<tr>
<td>PHYS</td>
<td>1202Q</td>
<td>General Physics</td>
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<tr>
<td>PHYS</td>
<td>1230</td>
<td>General Physics Problems</td>
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<td>PHYS</td>
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<td>General Physics with Calculus</td>
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<td>PHYS</td>
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<td>General Physics with Calculus</td>
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<tr>
<td>PHYS</td>
<td>1501Q</td>
<td>Physics for Engineers I</td>
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<td>PHYS</td>
<td>1502Q</td>
<td>Physics for Engineers II</td>
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<td>PHYS</td>
<td>1600Q</td>
<td>Introduction to Modern Physics</td>
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<td>PHYS</td>
<td>1601Q</td>
<td>Fundamentals of Physics I</td>
<td>Spring</td>
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<tr>
<td>PHYS</td>
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<td>PHYS</td>
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<td>Computational Physics</td>
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<td>PHYS</td>
<td>2300</td>
<td>Development of Quantum Physics</td>
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<tr>
<td>PHYS</td>
<td>2400</td>
<td>Math Methods</td>
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<td>PHYS</td>
<td>2501W</td>
<td>Lab Electric, Magnetism,&amp; Mech</td>
<td>Fall Spring</td>
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<td>PHYS</td>
<td>2701</td>
<td>Foundations Modern Astrophysics</td>
<td>Fall</td>
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<td>PHYS</td>
<td>2702</td>
<td>Techniques Modern Astrophysics</td>
<td>Spring</td>
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<tr>
<td>PHYS</td>
<td>3101</td>
<td>Mechanics I</td>
<td>Fall Spring</td>
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<td>Mechanics II</td>
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<td>Electronics</td>
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<td>PHYS</td>
<td>3201</td>
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<td>3202</td>
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<td>PHYS</td>
<td>3300</td>
<td>Statistical &amp; Thermal Physics</td>
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<td>PHYS</td>
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<tr>
<td>PHYS</td>
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<td>Spring</td>
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<td>PHYS</td>
<td>3501</td>
<td>Modern Experimental Methods</td>
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<td>4093</td>
<td>Foreign Study</td>
<td>By arrangement</td>
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<td>PHYS</td>
<td>4095</td>
<td>Special Topics</td>
<td>As needed</td>
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<td>PHYS</td>
<td>4096W</td>
<td>Research Thesis in Physics</td>
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<td>PHYS</td>
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<td>Variable Topics</td>
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<td>PHYS</td>
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<td>Physics of Earth’s Interior</td>
<td>Fall alternate years, odd</td>
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<tr>
<td>PHYS</td>
<td>4130</td>
<td>Fund of Planetary Science</td>
<td>Fall alternate years, even</td>
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<tr>
<td>PHYS</td>
<td>4140</td>
<td>Principles of Lasers</td>
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<td>PHYS</td>
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<td>Optics</td>
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<td>PHYS</td>
<td>4210</td>
<td>Intro to Solid State Physics</td>
<td>Fall alternate years, even</td>
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<tr>
<td>PHYS</td>
<td>4350</td>
<td>Nuclei and Particles</td>
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<tr>
<td>PHYS</td>
<td>4710</td>
<td>Stars and Compact Objects</td>
<td>Alternates with 4720</td>
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<tr>
<td>PHYS</td>
<td>4720</td>
<td>Galaxies and the Interstellar Med</td>
<td>Alternates with 4710</td>
</tr>
<tr>
<td>PHYS</td>
<td>4730/6730</td>
<td>General Relativity and Cosmology</td>
<td>Spring alternate years even</td>
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<td>PHYS</td>
<td>4740/6740</td>
<td>Observational Astrophysics</td>
<td>Fall alternate years, odd</td>
</tr>
</tbody>
</table>

Research Opportunities with Physics Faculty

The UConn Physics Department strongly encourages and facilitates undergraduate physics majors in engaging in research with our faculty. Our physics professors are accessible and welcoming. Students are invited to reach out to professors to discuss their research and inquire about opportunities in their labs. Students can receive academic credit for research through PHYS 3989 “Undergraduate Research,” and PHYS 4099 “Independent Study.” Advanced students can also complete a three credit capstone “Research Thesis in Physics” (PHYS 4096W).

A seminar in early November will provide students with information regarding summer research opportunities, and tips for applying. These include:

- Independent Studies/Research with faculty
- REU (Research Experience for Undergraduates, funded by the National Science Foundation)
- NASA Connecticut Space Grant Consortium, Undergraduate Scholarship
- SULI (Science Undergraduate Laboratory Internships, funded by the Department of Energy)
- SURF Awards (Summer Undergraduate Research Fund, Office of Undergraduate Research)
- SLAC National Accelerator Laboratory, Summer Student Program
Searching and Applying for Internships

Whether you intend to go to graduate school or enter the work force, an internship can provide you with an opportunity to gain hands-on work experience and help build your professional credentials.


The UConn Center for Career Development can help you find internship opportunities and prepare for your interview. https://career.uconn.edu/

- Schedule a career coaching appointment to discuss internships
- Get help preparing an effective resume
- Practice interview skills
- Search for opportunities
- Attend a Career fair

UCONN Career Fairs

UConn sponsors a number of career fairs where students have an opportunity to meet potential employers and establish professional relationships.

- At the “Navigating the Career Fair” info session, you can hear from a panel of recruiters from prominent employers on what to expect and how to prepare for the upcoming fairs.
- Fall Career Fair is held in early fall – hosts representatives from numerous companies and organizations
- STEM Career Fair is held in early fall – designed for employers with opportunities in Science, Technology, Engineering, and Mathematics
- Internship & Co-op Fair held in February – provides an opportunity for businesses and government agencies to meet with students and focus specifically on cooperative education, internship and summer career-related experiences
- Spring Career Fair held the end of March – for students looking for full-time positions and internship opportunities
UConn Academic Support Services

The Physics Learning Resource Center
http://physics.uconn.edu/learning-resource-center/
The PLRC is located in GS 216. Staffed by physics grad students, this is an excellent resource for physics majors.

The Q-Center
http://qcenter.uconn.edu/
Tutoring and review sessions. Check their schedule, however some courses that the Q-Center provides review sessions for are: CHEM 1128, MATH 1131 and 1132, PHYS 1502.

The Academic Achievement Center
http://achieve.uconn.edu/
The Academic Achievement Center assists students in attaining their academic and personal goals by providing a comprehensive, personalized array of programs, resources, and services which enhance skill development, effective decision-making, and personal transitions to and within the university setting.

UConn Connects
http://achieve.uconn.edu/program-information/
UConn Connects serves as an intervention program to help students be more successful. Students may participate in the UConn Connects program on a semester by semester basis. UConn Connects pairs each student with a faculty, staff or peer facilitator who will guide them through the semester. Students and Facilitators will meet to go over course work and academic progress on a weekly basis. The facilitator provides the student with a variety of resources, support and list of workshops offered by the AAC.

The Writing Center
http://writingcenter.uconn.edu/
Tutoring, drop in and by appointment.

Students Requesting Accommodations
http://csd.uconn.edu/

Counselling and Mental Help Services
http://counseling.uconn.edu/
860-486-4705
Arjona, 4th floor
Hours of operation:
Monday - Thursday 8:30 am - 4:30 pm
Fridays 9:00 am - 4:30 pm
Together with Student Health Services, CMHS offers a holistic and collaborative model of care. The mission of CMHS is to provide the highest quality clinical services to promote the emotional, relational, and academic potential of all students.
The Dean of Students Office serves as an advocate for students and as a centralized resource for connecting students with appropriate university and community programs, offices and individuals. The office supports students in resolving educational, personal and other

Hints for Academic Success

- Stay on top of your homework and studies.
- Collaborative study is encouraged – the Physics Reading Room (Gant West 103) is a gathering place for undergraduate physics majors to work and study.
- If you find yourself struggling, reach out for help! Micki (our department academic advisor), the physics faculty, as well as your fellow physics majors are available to assist you.

SCHOLASTIC PROBATION

Scholastic probation is an identification of students whose scholastic performance is below University standards. The student and the student’s advisor are informed that a marked academic improvement in future semesters is necessary to obtain the minimum scholastic standards.

Students are on scholastic probation for the next semester in which they are enrolled if their academic performance is such that they are included in any of the following conditions:

- Students who have earned 0-11 credits (considered to be first semester standing) and who have earned less than a 1.8 semester grade point average.
- Students who have earned 12-23 credits (considered to be second semester standing) and who have earned less than a 1.8 semester grade point average.
- Students who have earned 24 credits or more (considered to be third semester or higher) and who have earned less than a 2.0 semester grade point average or cumulative grade point average.

Any student placed on scholastic probation because of a cumulative grade point average less than 2.0 shall be removed from probation when the cumulative grade point average reaches 2.0 or above.

Students will remain on probation until both their semester and cumulative GPA reaches 2.0.

Please see the University Undergraduate Catalog for more information regarding academic policies and procedures.

College of Liberal Arts and Sciences students who are placed on scholastic probation will have the following conditions attached to their enrollment:

- There is a 14 credit limit on their account and they must adjust their credits by the 10th day of classes or the ASC will adjust their schedule for them.
They are required to meet with an advisor in the Academic Services Center during the semester. After the 10th day of classes an enrollment hold will be placed on their account, which will only be lifted once they’ve met with an ASC advisor.

ACADEMIC DISMISSAL

Students are eligible for academic dismissal when they fail to meet the minimum scholastic standards (see above) for two consecutive registered semesters.