

**Graduate Student Meeting Fall 2012**  
**Thursday, 23 August 2012, 4:05 pm, NPB 1002**

**Agenda**

- 1. Orientation for 1<sup>st</sup> year students**
- 2. All years**
- 3. Elections of student representatives**

# Graduate Student Advisory Committee (GSAC)

<http://www.phys.ufl.edu/academics/graduate/gsac.shtml>



**Pam Marlin**

**Faculty mentors:** Detweiler  
Hamlin  
Hebard  
Mueller  
Ray  
Sikivie

**Awards:** Muttalib  
**Student**  
**Representative:** Katie Leonard  
**Miscellaneous:** Maslov

Prelim results: after Sept. 4

# Join the American Physical Society



**Free One-Year Trial Membership for Undergraduate and Graduate Students**

**After the trial year, consider retaining membership at a reduced rate of 33 per year**

**(your future supervisor will ask you to join anyway)**

**Benefits: a copy of Physics Today**

**informational resources**

**reduced participation fees at APS meetings**

**<http://www.aps.org/membership/student.cfm>**

# Fall Travel Support Applications are due Aug 28!

- Go back to your e-mail, find a message from Maslov, fill out a form, send an e-mail to Maslov.
- Four applications will be forwarded from the Department to the College
- You snooze—you (*and your supervisor*) lose...

# International Student Awards

The solicitation for the Annual Outstanding International\* Student Award is out. Please send me your nomination packages for The Alec Courtelis Award or self-nominate yourself for the Scarborough Scholarship and Scarborough-Maud Fraser Award by 5 p.m. of Friday, **September 14**.

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**\*) An "international student" is defined as a holder of J1 and F1 visas only.**

# NSF Graduate Fellowships

**All first-year students with BACHELOR degrees are eligible**

**Application deadlines:**

**November 13, 2012 for Material Research**

**November 14, 2012 for Physics**

**3 years of support (\$30,000/year stipend; travel funds, etc.)**

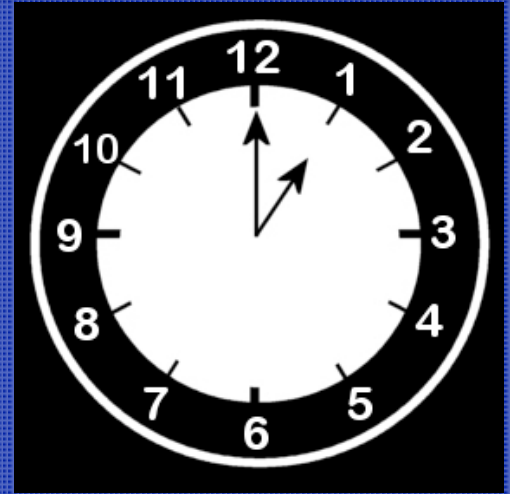
<http://graduateschool.ufl.edu/files/nsf-grfp-2012.pdf>

# Year-by-Year schedule





# YEAR 1



**pass the prelim  
score well\* in core courses  
look around\* for a research  
topic, and ...don't relax yet**

# Fine print

“score well\*”: maintain average GPA no lower than 3.3

“look around for a research topic\*”:

Talk to people, especially, to senior students—they know.

Attend all colloquia and—at least selected— research seminars

List of seminars: <http://www.phys.ufl.edu/seminars/index.shtml>

*Contact seminar organizers for suggestions on particularly interesting seminars of the semester*

*Pay special attention to student seminars and journal clubs:*

- a) Graduate Student Seminar
- b) Biophysics Journal Club
- c) Condensed Matter Theory Journal Club

**Attend—at least selected--group meetings**

**“Meet the Research Groups/Meet the Faculty” Poster Session  
Christmas Party**

**November 26**

**Speaker CMP Meet the Faculty**

**Two training seminars  
mandatory for 1<sup>st</sup> year students  
all other students are welcome to  
attend**

**September 26 4:00 pm NPB 2205: “Ethics of Scientific Research”  
October 17 4:00 pm Marston Science Library: “Library Resources**

**Dr. Donna Wrublewski  
Assistant Librarian, Marston Science Library**

# Summer Y1/Y2



**Summer Y1/Y2: an excellent opportunity to get your hands on research**  
***Center for Condensed Matter Studies (CCMS) and Institute for High Energy Physics and Astrophysics offer summer fellowships for 1<sup>st</sup> year graduate***

## **Timeline**

**Applications deadline: mid February**  
**Summer course registration deadline: mid March**

# Year 2



take more specialized/advanced courses  
find a supervisor  
satisfy—at least partially—”class distribution requirement”\*

**FORM A SUPERVISORY COMMITTEE\* by the end of Y2.**



Have you formed  
a committee?

# Supervisory Committee

**your immediate supervisor (Chair/co-Chair)+3 faculty in Physics+ 1 external member**

**Rationale: complementary expertise, advise, resolving of student/faculty conflicts, unforeseen circumstances**

**Advantages for you: certain commitment on behalf of your supervisor (*not* a guarantee for PhD!); more resources of expertise**

**Annual review of your progress**

**plus you can take as many “supervised research classes” PHY7979,7980 as you like**

# Distribution requirement: finished by the end of Y3

- **You must take at least three (3) advanced (>6000 level) in three different subfields of physics.**
- **Example: 1) Solid State I; Solid State II, Modern Condensed Matter. Scanning Tunneling Microscopy (EE), etc.**
  - 2) Standard Model**
  - 3) Cryogenics**

**Classes can be taken outside the Department**

# Year 3



**Take more advanced courses**  
**Get into research full speed**  
**Complete the distribution requirement**  
**Pass the ORAL EXAM**

Have you  
passed the  
oral exam?





# Oral Exam

written part: research paper

oral part: presentation

- **Do I need to have original results for the oral?**
- **No ! (*although it would not be held against you*)**
- **You need to demonstrate**
  - a) basic understanding of your field of research;**
  - b) knowledge of the literature;**
  - c) solid research PLAN towards your PhD**

**Therefore, there is NO reason to postpone the oral exam!**

Year 4



**Do a major discovery**

**Year 5**



**Do another major discovery and ...  
Get out of here: we need your office space.**

**Median time to graduation: 5.7 years.**

# Year 6



Are you  
still here?!

# Professional Behavior

## A. Sexual Harassment & Related Issues

<http://www.hr.ufl.edu/eoo/harassment.htm>)

On-line tutorial: <http://www.hr.ufl.edu/eoo/tutorial.htm>

## C. Suggestions/Guidelines for Lecturers and Leaders of Discussion Sections

<http://www.phys.ufl.edu/~meisel/Lecture-Discussion-v15Dec04.doc>

## D. Academic honesty: Dr. Wrublewski seminar 09/26

## E. Timing of Requests and Return of Paperwork

**Do Not Wait until the Last Moment.**

## F. Maintain a professional and courteous tone in your e-mail messages.

There is life beyond Physics...



**Lake Wouburg (free with UF id)**





**RECSPORTS**  
DIVISION OF STUDENT AFFAIRS  
UNIVERSITY of FLORIDA

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Gainesville Health Club and Fitness Center

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Go Primal Fitness is a gym. The purpose of our training is to teach, to prepare, and to equip those individuals who want more from themselves. To us training is a medium for self-inquisition; an opportunity to advance, endure, outlive, persist, and progress. We value





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# UF Performing Arts IT ALL STARTS HERE.

JAZZ AT LINCOLN CENTER ORCHESTRA WITH  
WYNTON MARSALIS  
03-12-2012 7:30PM

[Events](#) [Outreach](#) [Students](#) [Support](#) [Tickets](#) [Venues](#) [Visitor Information](#)

## Students

[Main Student Page](#)

[Welcome Students!](#)

[Student Ticket Discounts](#)



Hippodrome State Theater and Cinema





*Department of Physics*



Welcome to the class of 2012!!!





**Siddhartha  
Abhinav**



**Ashley  
August**



**Colin  
Barquist**



**George  
Brown**



**Hector  
Chen**



**Gaoli  
Chen**



**Andrew  
Chilton**



**Dipsikha  
Debnath**



**Brian  
Hare**



**Daniel  
Jackson**



**Wenguang  
Jiang**



**Haoming  
Jin**



**Peisen  
Ma**



**Hualin  
Mei**



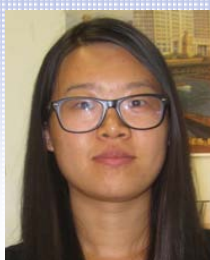
**Ramon  
Pulido**



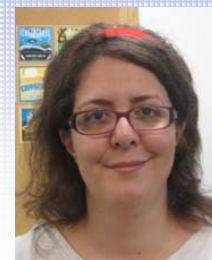
**David  
Roffman**



**Robert  
Sobczak**



**Songge  
Sun**



**Elisa  
Todarello**



**Changlong  
Wang**



**Jing  
Wang**

**2012-2013 New Graduate Students  
Department of Physics**

# Tropical storm Isaac

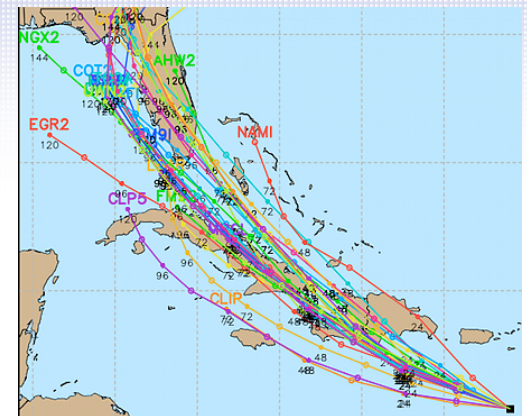
No current alerts

If you plan to travel this weekend, especially to South Florida, check the weather conditions

Follow updates at [www.ufl.edu/tropical-weather-isaac-2012](http://www.ufl.edu/tropical-weather-isaac-2012).

**Florida road and travel conditions:** [fl511.com](http://fl511.com) or call 511

Check your e-mail and SMS for **UF Alerts**



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Assistant Librarian, Marston Science Library**

# 2<sup>nd</sup> year students:



Your supervisory committee must be formed by the beginning of the Fall semester 2013

4th year students who have not yet passed the oral exam:



You are late!

# Late registration/appointment forms

**The deadlines from now on will be treated as ABSOLUTE. Every late application will be considered by the Graduate Coordinator, who may request a written petition from the student.**

**This petition will have to be co-signed by the student's supervisor/mentor.**

# To international students traveling outside US:

- If you leave the country, you need to re-apply for a visa
- Allow plenty of time for the process
- Get a letter documenting your registration in Physics and take it with you to the US consulate at the country of your destination
- TA/GA need to be on campus during the entire semester *including the exam days*
- Discuss your travel plans with your main course professors for both *current* and *next* semester prior to booking your tickets
- Full RA/fellowships: discuss your travel plans with your supervisor
- **Students do get stuck!**

# Courses on demand

- **Department encourages student input in forming a selection of advanced topic courses**
- **Those need to be planned in advance**
- **Make your recommendation to GSAC no later than the second week of the Spring semester**
- **Two petitions last last year (Early Universe and Qualitative Methods of Theoretical Physics): both granted**

# Speakers on demand

**Make your recommendation on particular colloquium/seminar topic/speaker either to GSAC or directly to colloquium/seminar organizer(s)  
Also plan in advance: well before the semester begins!**

# Consider signing a Letter to Congress

<http://ultron.aps.org/forms/aps.cgi?ID=1084#seques>



Letter to Congress: Students' Sequestration Concerns

September 15th, 2012

Dear House and Senate Leaders and Members:

We, the undersigned XX thousand students, are concerned about our future as scientists and engineers in America. On January 2, 2013, with no further legislative action, sequestrations will reduce the federal support of science by 9 percent, a reduction of more than \$15 billion at a time when other countries are prioritizing scientific investment. While we must adopt practices to live within our means, we must not do so by compromising our future prosperity.