

Professional Master of Science in Physics

Student Orientation Session

September 25, 2024

Anna Goussiou

PMSP faculty coordinator

These slides will be linked from:

<https://www.physicsmasters.uw.edu/about/student-resources/>

UW Professional MS in Physics (PMSP) program

Welcome new and returning MS students!

Whom do I contact with questions?

- **Any academic question or issue, advising, selecting courses:**

Physics faculty coordinator: **Anna Goussiou** (me), pmsp@uw.edu

- **Any question or problem with admissions, degree requirements, rules and regulations of Graduate School or UW:**

Physics graduate program administrator/advisor:

Catherine Provost, (206) 543-2488, cuala@uw.edu

- **Anything to do with course registration or tuition payment:**

PCE Program Administrator: **Carissa Mayer**, cdmayer@uw.edu

UW Continuum College - Professional & Continuing Education (PCE)

Some basics

- Website for more info:
 - The PMSP website <https://www.physicsmasters.uw.edu> contains degree requirements, course descriptions, etc.
 - More details from drop-down menu:
[About > Student Resources > Information for Current Students](#)
- Your UW NetID gives you email + access to online resources
 - Check UW mail regularly or set [*YourNetID@uw.edu*](#) to forward to your personal email account
 - Always use your NetID to log in for access to UW resources

Registration

- Register online – go to your MyUW page for links
- Or register with PCE by email (c2reg@uw.edu), or phone (206-543-2310)
- For any questions, or if you haven't received next term's registration info within 2 weeks of end of any term, email **Carissa Mayer at PCE**.
- Be sure you are registering for the correct sections
 - Always start with the **PCE Time Schedule**
<http://www.washington.edu/students/timeschd/AUT2024/95phys.html>
(shows only class sections offered by our program)
not the UW College of Arts & Sciences time schedule
<http://www.washington.edu/students/timeschd/AUT2024/phys.html>
 - Use the **A&S schedule** *only* if you want a non-PMSP elective
 - You need prior permission from me and the course instructor
 - You also need add code from student services

Courses and credits

You **must** register for credit **each** regular term to stay in the program!

- If you don't want to register for credits in a particular quarter, you **must** **request on-leave status** for that term
 - Submit an online **Request for On-Leave Status** via **MyGrad**, or go to <http://grad.uw.edu/policies/graduate-on-leave-status/>
 - Otherwise, you will have to re-apply (and pay another app fee)!
 - **Summer terms excepted** - no requirement to register for Summer
- What if I need a few more credits to qualify for financial aid?
 - Register for 1 or 2 credits of PHYS 600: independent study
 - Choose an area of research and email faculty in that area – or email me for help in getting a faculty advisor

Degree Requirements

- At least 36 credits from 400-level and above
 - At least 18 credits must be from numerically-graded courses (i.e., not credit/no-credit)
 - At least 18 credits must be from 500-level and above
 - At least 3 of the 4 core courses
 - PHYS 543: Electromagnetic Theory
 - PHYS 540: Quantum Physics
 - PHYS 544: Applications of Electromagnetic Theory
 - PHYS 541: Applications of Quantum Physics
- } Offered every year,
Autumn and Winter
- } Alternate years,
Spring term

Degree Requirements, cont'd

- Elective courses
 - 3 offered per year, wide variety
 - May also take any PHYS 400-level, with my and instructor's permission
 - PhD-level courses strongly discouraged
 - Core PhD courses: not eligible
 - Elective PhD courses: after core PMSP courses, good grades, permissions required
 - May take up to two 400/500-level courses in other Depts, with my and instructor's permission
 - Must have physics content and/or be necessary for capstone project

Degree Requirements, cont'd

- Capstone project required
 - Work in a lab, analyze data, do a topic review, etc.
 - Register for PHYS 600 while working on capstone, typically 3-9 credits/term (at least 2 hours of effort/week for each credit hour)
 - Give oral presentation at the end of the project to a committee of at least 2 professors
 - Write report, 20-40 pp, formatted as technical report
- Capstone project may also take place in other science/engineering Dept, or at workplace
 - Must have physics content
 - Local advisor in Physics Dept required
 - If at workplace: no proprietary data, supervisor must have PhD

Degree Requirements, cont'd

- A minimum cumulative 3.0 GPA is required for a graduate degree and for every quarter of course work
 - If your GPA drops below 3.0 any quarter, you may go on academic probation
 - You must bring your GPA up to 3.0 to remain in the degree program
- Only courses with grades ≥ 2.7 count
- You must complete all degree requirements within six years
- More details:

<https://grad.uw.edu/policies/1-1-graduate-degree-requirements/>

<https://grad.uw.edu/policies/3-7-academic-performance-and-progress/>

Resources

- Where can I hang out / study?
 - Physics study center, mezzanine level (in the A-wing, go down the spiral staircase one floor)
 - PCs, with net access and printers, tables and blackboards
 - Suzzallo / Allen (graduate) library, Odegaard Undergraduate library, and Engineering Library have many study spaces
- UW Library has huge print resources, but also wide variety of online resources
 - Browse www.lib.washington.edu/
 - Your UW NetID gets you off-campus access to online journals, newspapers and magazines, e-books, and many media collections and e-resources
 - See www.lib.washington.edu/help/connect for off-campus access
 - Call or email UW librarians for help using library resources

PMSP on Microsoft Teams

- How can I get together with fellow students?
 - We've set up a **chat/post/meeting site**
 - UW IT provides students access to **Microsoft Office 365 Teams**
 - You can post messages, contact fellow students to arrange Zoom meetings, discuss homework, etc
 - First, go to your **UW NetID account management page**
<https://uwnetid.washington.edu/manage/>
and if you do not already have MS Office 365 enabled for your account, request that - it may take a few hours to be set up.
 - When Teams is enabled, go to:
<https://teams.microsoft.com/l/team/19%3a065de9623fb54643a5ad007767baf0ce%40thread.tacv2/conversations?groupId=eb3520bd-c0c0-4595-820d-d983c8628214&tenantId=f6b6dd5b-f02f-441a-99a0-162ac5060bd2>
and when requested give the entry code: **rnj16m5**
 - Please contact UW IT Help, help@uw.edu (not me! no Teams expertise) if you have any questions about getting or using Teams.

Enjoy learning physics!

- Glad you could join us tonight

- Further questions?

- Ask: me pmsp@uw.edu, or Catherine Provost cuala@uw.edu

- Or contact any of the professors who teach courses in our program: Jeff Wilkes, Alejandro Garcia, Deep Gupta, Boris Blinov, Boris Spivak, David Cobden, Charlie Marcus

PHYS 543

- Lectures will be Zoom-only
- Midterm and Final Exams in person in this classroom
- If you live far from Seattle, you need to arrange for a professional exam proctoring service (e.g., local university/college, local library, private proctoring company)