AMS 200

Introduction

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Where to get your questions answered?

- Your first year adviser
  You should already know who is your first year adviser.

- AMS graduate director: Hongyun Wang, BE 369,
  <hongwang@ams.ucsc.edu>

- Graduate adviser: Tracie Tucker, E2-298J,
  <ttucker@soe.ucsc.edu>

- Your fellow graduate students
<table>
<thead>
<tr>
<th>Student Name</th>
<th>First Year Adviser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chelsea Lofland (Stats):</td>
<td>Raquel Prado</td>
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<tr>
<td>David Hall (Stats):</td>
<td>David Draper</td>
</tr>
<tr>
<td>Nicole Beyer (AM):</td>
<td>Hongyun Wang</td>
</tr>
<tr>
<td>Annalisa Cadonna (Stats):</td>
<td>Thanasis Kottas</td>
</tr>
<tr>
<td>Panos Lambrianides (AM):</td>
<td>Qi Gong</td>
</tr>
<tr>
<td>Harleigh Marsh (AM):</td>
<td>Hongyun Wang</td>
</tr>
<tr>
<td>Celeste Tretto (Stats):</td>
<td>Herbie Lee</td>
</tr>
<tr>
<td>Nicholas Grunloh (Stats):</td>
<td>Marc Mangel/ Hongyun Wang</td>
</tr>
<tr>
<td>Aya Furutani (AM):</td>
<td>Pascale Garaud</td>
</tr>
<tr>
<td>Mario Morales (Stats):</td>
<td>Raquel Prado</td>
</tr>
<tr>
<td>Jin Xu (Stats):</td>
<td>David Draper</td>
</tr>
<tr>
<td>Joel Leigh (AM):</td>
<td>Nic Brummell</td>
</tr>
<tr>
<td>Pedro Regueiro (Stats):</td>
<td>Bruno Sanso</td>
</tr>
<tr>
<td>Sisi Song (AM)</td>
<td>Dejan Milutinovic</td>
</tr>
</tbody>
</table>
Roles of your first year adviser

- To guide you before you find your research adviser.
- You are not obligated to select your first year adviser as your research adviser.
- Your first year adviser is not obligated to become your research adviser.

Where to find faculty research interests?

www.ams.ucsc.edu/

Take the initiative and talk to them.
# Graduate student timeline

<table>
<thead>
<tr>
<th>Academic Year 1</th>
<th>Master degree</th>
<th>PhD degree</th>
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<tbody>
<tr>
<td>6 core courses (depending on which track), AMS 200, AMS 280B (seminar, at least 1 quarter per year). Start talking to faculty about research interests. Taking independent study courses is a good venue. <strong>FYE</strong> (First Year Exam) on all 6 core courses.</td>
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<table>
<thead>
<tr>
<th>Academic Year 2</th>
<th>Master degree</th>
<th>PhD degree</th>
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<tbody>
<tr>
<td>Discuss capstone project with your research adviser 2 x 5 unit elective courses Complete capstone project</td>
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<table>
<thead>
<tr>
<th>Academic Year 3</th>
<th>Master degree</th>
<th>PhD degree</th>
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<tbody>
<tr>
<td><strong>Advance to candidacy</strong> by the end of Spring AY3: dissertation proposal defence (committee = adviser + 3)</td>
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<tr>
<th>...</th>
<th>Master degree</th>
<th>PhD degree</th>
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<tbody>
<tr>
<td></td>
<td><strong>Dissertation defence</strong> (committee = adviser + 2 or more)</td>
<td></td>
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# Core courses

<table>
<thead>
<tr>
<th></th>
<th>Statistics track</th>
<th>Applied Math track</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
<td>AMS 203, 211</td>
</tr>
<tr>
<td><strong>Winter</strong></td>
<td>AMS 205B, 206B</td>
<td>AMS 212A, 214</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td>AMS 207, 256</td>
<td>AMS 212B, 213</td>
</tr>
</tbody>
</table>
FYE (First Year Exam)

Format of FYE

In-class part: closed book exam on 6 core courses
Take-home part: a project involving analysis and simulations

FYE information page:
http://users.soe.ucsc.edu/~hongwang/FYE/

Time line of FYE

In June, (in the week of finals?). If you fail in June, you can retake in September (Do Not Fail!). If you fail again, you are dismissed from the program.
Other things you need to know

- PhD students are required to TA for at least 2 quarters
- Seminars (AMS280B) are in the Simularium (E2-180) at 4pm on Mondays. Mark your calendar!
  You are required to enroll in AMS 280B at least 1 quarter every year
- MS can continue on to PhD (provided that you pass FYE at the PhD level)
- PhD can exit with MS
Things you need to do immediately

✓ Get your SOE mail account
✓ Talk to your first year adviser
✓ Get keys
✓ Move into the office assigned to you

Office assignment:

Office assignment is done by graduate students, coordinated by Francisco Beltran <beltran@soe.ucsc.edu>

Need help locating a room in BE (Baskin Engineering)?

http://facilities.soe.ucsc.edu/floor-plans
Financial stuff

- Each quarter you need to apply for a TAship before the beginning of the quarter, if you want one.

- Pay attention to the deadlines announced by Tracie!

- Talk to faculty about GSR opportunities.
Financial stuff (continued)

- Out-of-state students:
  Be sure to establish CA residency.

- International students:
  Find your research adviser before the end of year 1.
  Discuss with your research adviser how to advance ASAP
  (so you won’t have to pay the hefty non-resident tuitions!)
Social activities

- Morning B&C: Fridays 9:30AM in BE 352
- Grad seminar: Fridays 3:30PM
- Afternoon B&C: Fridays after grad seminar (Ask your fellow students)
- Soccer: (Ask your fellow students)
- Climbing: (Ask your fellow students)
Electronic resources

Library:   http://library.ucsc.edu/

✓ Online journals
✓ Off-campus access
✓ Book catalogs (cruzcat & Melvyl)
✓ Articles & databases

SOE courses:   http://courses.soe.ucsc.edu/courses/

UCSC class search:
https://pisa.ucsc.edu/class_search/

Online campus maps:
http://maps.ucsc.edu/content/printable-maps
Assignments

- **Read** SOE Graduate Students Rights & Responsibilities at http://ga.soe.ucsc.edu/current

- **Learn how to access the on-line journals of the library.**
  Find and download a PDF copy of the article
  
  *Biophysical Journal* **100**(6), 1509-1516.

- **Learn how to access the on-line journals from off-campus.**

- **Find out how many pedestrian bridges we have on-campus.**
  Walk through some of these pedestrian bridges!
Assignments (continued)

- **Login to** sundance.soe.ucsc.edu
  
  Find SOE Compute Servers.

- **Learn Matlab** and/or **R**
  
  Learn how to run Matlab and/or R on SOE Compute Servers.

- **Build your webpage**

- **Learn LaTeX**
  
  Typeset one homework assignment in LaTeX

- **Learn how to make and print a poster**
  
  You can find information and samples at http://users.soe.ucsc.edu/~hongwang/graduate/
Some general advice

Finish each homework assignment promptly.

Review and prepare for course exams and FYE early.

Pay attention to deadlines and plan accordingly.
(if you need to ask for extension, ask early!)

Find a good balance for everything:

- Balance between core courses and other courses
- Balance between taking more courses and doing research
- Balance between study, work and fun …