Mechanical Engineering
Ph.D. Student Orientation

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Academic Program Manager

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Today's Orientation

- Greetings and Speakers
- Who We Are
- Advising Manual
- Quick Review
Greetings and Speakers

• Steve Stich, MSE Library
  sstich@jhu.edu

• Roshni Rao, Life Design Lab
  rrao12@jhu.edu

• MEGA Representatives
  jhumega@gmail.com

Up next: who, what, and where...
Who We Are and What We Do

Our people:
• 30 professors / senior lecturers
• 13 administrative and research staff
• 28 postdocs
• 197 grad students
  • 66 MSE and 131 PhD
• 211 undergraduate students

Our goal:
• Provide outstanding education in a leading-edge research environment.
Where We Are – in “normal” times

Mechanical Engineering

- Admin Offices – Latrobe 223
- Prof. Rajat Mittal – Latrobe 126
- Mike Bernard – Latrobe 230
- Kevin Adams – Latrobe 223

Classes – most in Latrobe, Maryland, Gilman, Hodson, and Krieger Halls.

WSE Manufacturing (Machine Shop) – Wyman Park Building

*Up next: courses and requirements...*
EN.500.603 Academic Ethics
• 20-minute online tutorial.
• Students will be registered and notified when available.
• Must complete in first semester. Don’t wait!

AS.360.625 Responsible Conduct of Research
• In-person course, about 15 hours over one week.
• Offered every semester, summer, and intersession.
• Must take before 4th semester.

EN.500.601 Research Laboratory Safety
• 8 online modules required, in-person class options.
• Must take modules before starting research.

Opioid Awareness and Title IX Anti-Harassment (both online)
PhD Degree Requirements

Mechanical Engineering

• Pass the Departmental Qualifier Exam (DQE)
• Teaching Assistant – 2 courses
• Register for and pass “Graduate Research” - every semester
• Register for and pass “MechE Graduate Seminar” – first three years
• Maintain academic and research performance

University

• 2 semesters of “full-time” residency
• Pass the Graduate Board Oral (GBO) exam
• Submit and defend dissertation
“Things to Know”

Check your Advising Manual for...

- **Sec. 2.6** – Course Frequency
- **Sec. 3** – Requirements and Performance
- **Sec. 3** – DQE, GBO, Dissertation Defense
- **Sec. 4** – Annual Reviews, Seminars, Ethics
- **Sec. 7** – Financial Aid and Teaching Assistants
- **Sec. 9** – Purchasing and Reimbursements
- **Sec. 10** – Payroll
- **Sec. 11** – Lab Safety
Seminars

• 530.803/804 MechE Seminar
  • Mechanical Engineering Graduate Seminar – Thursday 3:00

• Optional Seminars
  • Mechanics and Materials – Monday
  • Computational Sensing and Robotics – Wednesday 12:00
  • Environmental and Applied Fluid Mechanics – Friday 3:00
  • Fluid Mechanics – Friday 4:00

Teaching Assistant

• Opportunity for grading, labs, office hours, lectures
• Paid positions at $18/hour
• International students have English Language requirements
If you have Academic Troubles

Don’t Wait!

• If you are struggling with any course homework or exams...
• If you are having trouble attending lectures...
• If you are experiencing any difficulties...

Ask for Help Early – it’s okay and welcomed!

• Talk to your Professor, Faculty Advisor, or Teaching Assistant.
• Allison Leventhal, Student Life Administrator – 410-516-2328 or aleventhal@jhu.edu
• Christine Kavanagh, Assistant Dean of Graduate Affairs – 410-516-5938 or ckav@jhu.edu
• Prof. Sri Sarma, Vice Dean – 410-516-3481 or ssarma2@jhu.edu.
Safety and Common Sense

Campus Safety and Security Tips

• Baltimore is a vibrant, exciting city... but it is a city.
• Plenty of campus police and security staff
• Secure your laptops and valuables
• Back up your work on separate systems or cloud
• Don’t leave items in your car in plain sight
• Use good judgment if walking at night

Hopkins Security

• General Info  410-516-4600
• Safety Escort  410-516-4600
• Emergency  410-516-7777 or 911
Computing

Get Started at http://it.jhu.edu

- E-mail
- Computer discounts
- Free anti-virus
- Wi-Fi
- Software
This’n’tat that...

In the back of your advising manuals...

- MEGA and GRO
- Join the ASME!
- Life outside class, on campus, and in Baltimore.
- Forms

Top 12 for Graduate Students –
http://me.jhu.edu/t12/top-12-graduate-students/

91 Things to Do in Baltimore...
try 10 this year!

Department of Mechanical Engineering
Resources and Contacts

Humans

• Your Advisor
• Mike Bernard me-academic@jhu.edu 410-516-7154
• Kevin Adams me-academic@jhu.edu 410-516-5930
• Prof. Rajat Mittal mittal@jhu.edu 410-516-4069
• Prof. Gretar Tryggvason gtryggv1@jhu.edu 410-516-6451

Otherwise

• MSE and Ph.D. Academic Advising Manuals
• Johns Hopkins http://www.jhu.edu
• Mechanical Engineering http://www.me.jhu.edu
• Graduate Advising http://me.jhu.edu/graduate-studies/academic-advising-graduate/
• Top 12 http://me.jhu.edu/t12/top-12-graduate-students/
Best of luck
to you this year!

Questions?