

HEMI Boot Camp 2015

August 17 - 20, 2015

August 17

8 am - 9 am

Location: Malone Hall Lobby

Welcome Breakfast

9 am - 12 pm

Location: Malone Hall, Room G 33 - 35

Shared Facilities

Includes overviews and information on:

- 9:00: HEMI facilities
- MSE facilities
- Integrated Imaging Center
- Machine Shop
- Micro-fabrication facilities
- 11:00: Integrated campus tour of these facilities

Instructor/moderator: Matt Shaeffer, HEMI Staff Engineer

August 18

9 am - 1 pm

Location: Malone Hall, Room 328

Research Practices I

Includes:

- 9:00: Library searches, bibliographies and reference tools
Instructor: Stephen Stich, Librarian for Science & Engineering, MSE Library
- 10:00: LaTeX and technical writing tools
Instructor: Dr. Ravi Sastri Ayyagari, Postdoctoral Fellow, HEMI

2 pm - 4pm

Location: Malone Hall, Room 328

Panel Discussion: Succeeding in Graduate School

Includes information on:

- Work expectations
- Research ethics
- Time management
- Campus resources
- Interactions between research groups
- Social opportunities

Panel: Grad Students: Caleb Hustedt, Vignesh Kannan, Fatma Madouh, Thomas O'Connor

4pm -5 pm

Ice Cream Social

Location: Malone Hall, Ground Floor - Grad/Postdoc Lobby

August 19

8 am – 12 pm

Location: Malone Hall, Room 328

Research Tools I

Includes:

- 8:00: Materials Characterization Tools, including SEM
Instructor: Dr. Lukasz Farbaniec, Postdoctoral Fellow, HEMI
- 9:30: Experimental Methods in Mechanics, including DIC
Instructor: Dr. Kavan Hazeli, Postdoctoral Fellow, HEMI
- 11:30: Center for Leadership Education
Presenter: Eric Rice, CLE / Prof. Tim Weihs

1 pm – 5 pm

Location: Malone Hall, Room 328

Research Tools II

- 1:00: Data management and data sharing
Instructors: Mehwish Zuberi and Nick Carey
- 1:30: Computational Tools, including Matlab, Tekplot
Instructor: Carrie Spear, Sr. Software Engineer, MARCC
- 3:30: High performance computing: access to clusters etc
Instructor: Carrie Spear, Sr. Software Engineer, MARCC
- 4:00: Python
Instructor: Dr. Stefanos Papanikolaou, Assistant Research Professor,
Mechanical Engineering, HEMI

August 20

1:30 pm - 5:30 pm

Location: Malone Hall, Room G 33 - 35

Research Practices II

Includes:

- 1:30: Extreme Science Talk: How to give a presentation
- 2:30: Developing a research overview (e.g. a term paper)
- 3:30: How to write a scientific paper for archival publication
- 5:00: Using references, citations and bibliographies

Instructor: Prof. KT Ramesh, Professor, Mechanical Engineering, Director, HEMI

5:30 pm

Location: Malone Hall, First Floor Lobby

HEMI Happy Hour