

Summer 2023 - REU-ACM Activities*

Tentative Schedule

Week 1 (05/22-05/26)

Monday, May 22

10:00am - 11:00am	Welcome Orientation in MSB 318
11:00am - 12:00pm	Initial Evaluation - Dr. Bonnie Swan
12:00pm - 1:00pm	UCF tour – Thialita Nascimento
2:00pm - 5:00pm	Workshop in MSB 318 Course on PDE - Diffusion models and free boundary problems (Facilitated by Prof. Eduardo Teixeira)
5:30pm	UCF REU Kick Off Event in Live Oak Events Center

Tuesday, May 23

	Workshop in MSB 318
9:00am - 12:00pm	Course on Numerical Methods/Scientific Computation - Numerical Differentiation and Integration, Numerical Optimization, Numerical ODEs/PDEs (Facilitated by Dr. Carlos Borges and Dr. Yukun Li)
2:00pm - 4:00pm	Student Conduct and Academic Integrity in MSB 318 (Facilitated by Jennifer Wright)

Wednesday, May 24

10:00am – 11:00am	Let's Be Clear Training - Discrimination and Harassment in TA 130
3:00pm - 4:30pm	Diversity, Inclusion, and Fairness in MSB 318 (Facilitated by Kavita Sawh)

Thursday, May 25

	Workshop in MSB 318
9:00am -12:00pm	Course on Computational Finance Topics: Theory and numerical methods of financial mathematics (Facilitated by Dr. Yukun Li)
2:00pm-3:00pm	Library Research & Literature Review in LIB-175 (Facilitated by Jake Beard)

Friday, May 26

12:30pm-2:00pm	From Resume to CV: Planning Your Research Roadmap* in TCH 103 (Facilitated by Tasnim Mellouli)
3:00pm-4:00pm	Group meeting in MSB 318 - Research Topic Presentation

Week 2 (05/29-06/02)

Monday, May 29 Memorial Day – Holiday

Tuesday, May 30

9:00am-12:00pm

Workshop in MSB 318

Course on Computational Inverse Scattering

Topics: Integral Equations, Regularization, Forward and Inverse Scattering Problems (Facilitated by Dr. Carlos Borges)

Wednesday, May 31

1:00pm-5:00pm

Training session in MSB 318

Mini course on Python (Facilitated by Dr. Gerrit Welper)

Friday, June 2

12:30pm-2:00pm

Ethics in Research in TCH 103 (Facilitated by Dr. Stephen Kuebler or Dr. Beaver)

3:00pm-4:00pm

Group meeting in MSB318 - Progress Report: Oral Presentation

4:00pm-4:30pm

Friday Tea Event

Saturday, June 3

RWC High Ropes

Week 3 (06/05-06/09)

Monday, June 05

11:00am - 12:00pm

Seminar in MSB 318

Guest speaker: Prof. Marianna Pensky (UCF)

- How to read and write a math paper
 - How to give a math talk
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Tuesday, June 06

9:00am - 12:00pm

Workshop in MSB 318

Course on Mathematical Biology (Facilitated by Dr. Zhisheng)

Friday, June 09

12:30pm-2:00pm

Designing a Poster for a Conference in TCH 103 (Facilitated by Dr. Mary Tripp)

3:00pm-4:00pm

Group meeting in MSB 318 - Progress Report: PowerPoint and Oral Presentation

Week 4 (06/12-06/16)

Wednesday, June 14

12:30pm-2:00pm **Imposter Syndrome: The Human Side of Research*** in TCH 103
(Facilitated by Counseling & Psychological Services)

Thursday, June 15

12:30pm-2:00pm Lunch with mentors at UCF

Friday, June 16

12:30pm-2:00pm **Preparing for What's Next** in TCH 103 (Facilitated by Raquel Toro & Graduate Studies)

3:00pm-4:00pm Group meeting in MSB 318 - Progress Report: PowerPoint and Oral Presentation

Week 5 (06/19-06/23)

Tuesday, June 20

2:00pm-3:00pm Seminar in MSB 318
Guest speaker: Prof. Mourad Ismail (UCF)
Professional life of a mathematician

Wednesday, June 21

12:30pm-2:00pm **Writing an NSF GRFP Proposal*** (Facilitated by Dr. Laurie Pinkert)

Online Midpoint Evaluation - Dr. Bonnie Swan

Friday, June 23

12:30pm-2:00pm **Getting Letters of Recommendation*** in TCH 103 (Facilitated by: Dr. Rocio Tonos)

3:00 pm-4:00pm Group meeting in MSB 318

Week 6 (06/26-06/30)

Friday, June 30

12:30pm-2:00pm **An Academic Conference Survival Guide** in TCH 103 (Facilitated by Dr. Alison Hudson)

3:00pm-4:00pm Group meeting in MSB 318 - Progress Report and Abstract

Saturday, July 01

4:30pm-7:30pm Brazilian barbecue at PI's house

Week 7 (07/03-07/07)

Tuesday, July 04 Independence Day - Holiday

Thursday, July 06

10:00am-2:00pm Kennedy Space Center

Friday, July 07 *Deadline to submit abstract submission form for Summer Poster Showcase*

2:00pm-3:00pm **Career Opportunities Seminar** in MSB 318
Guest speaker - Dr. Sangmin Lee from Microvast

3:00pm-4:00pm Group meeting – Draft of the poster

Week 8 (07/10-07/14)

Tuesday, July 11

12:30am-2:00pm Buffet lunch at UCF

Friday, July 14

12:30pm-2:00pm **Poster Workshopping Session** in TCH 103 (Facilitated by Dr. Kimberly Schneider) (*Attendees must have a draft of their poster*)

3:00 pm-4:00pm Group meeting in MSB 318 – Final version of the poster and presentation

Week 9 (07/17-07/21)

Wednesday, July 19 **Presenting Your Research** in TCH 103 (Facilitated by Tasnim Mellouli)

Friday, July 21

4:00pm-5:45pm

Summer Poster Showcase in Pegasus Ballroom

Saturday, July 22

10:00am-12:00pm

Picnic (location: TBA)

Week 10 (07/24-07/28)

Thursday, July 27

11:00am-12:00pm

Final Evaluation and focus group - Dr. Bonnie Swan

Friday, July 28

2:00pm-3:00pm

Publishing your Undergraduate Research in TCH 103

(Facilitated by Dr. Charlotte Trinquet Du Lys, The Pegasus Review:
Undergraduate Research Journal Faculty Editor)

TBD

Celebration Dinner at Mexican Restaurant

**Optional workshop*