



JOINT DEPARTMENT OF
**BIOMEDICAL
ENGINEERING**



**August
2021**

Assignments (homework)

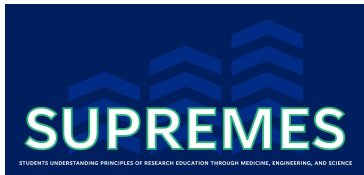
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5 Mandatory Orientation 6-8 PM <i>Complete all required safety trainings by 9/7 and Research Interest Questionnaire</i>	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



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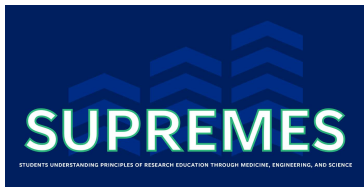
September 2021		<input type="checkbox"/> SUPREMES 2:30-5:00 PM Agenda items Assignments due Assignments (homework)				
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6 Labor Day	7 Program Intro/Expectations, Lab Safety Training Professionalism Read assigned research article by Sept. 14	8	9 CITI training, Laboratory Notebook Best Practices, journal club (what is it and how to read papers) Receive Journal Club Date and Article	10	11
12	13	14 Journal club discussion Introduction to Laboratory Basics/Essentials ALL required online lab safety trainings due Read second research paper	15	16 Journal Club #1 SUPREMES past student presents 4pm	17	18
19	20	21 No class	22	23 Journal Club #2 (2 Groups of 2)	24	25
26	27	Introduction to Proteins and Gene Information/Resources and Bioinformatics (Where do I find it and how do I use it?)		30 Bioinformatics workshop September Monthly reflection due		
*Laboratory Basics (Subject to Change): <ul style="list-style-type: none"> • Lab procedures/cleanliness • Pipetting • Weighing • Ph(ing) • Buffers/media • Centrifugation • Dry/Ice—liquid nitrogen 						



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October 2021		<input type="checkbox"/> SUPREMES 2:30-5:00 PM Agenda items Assignments due				
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5 Journal Club #3 (2 Groups of 2)	6	7 Animal training online	8	9
10	11 Columbus Day	12 Journal club #4 (2 groups of 2)	13	14 Careers presentation	15	16
17	18	19 Data analysis and statistics	20	21 Laboratory Technique Training (Basic lab skills) Safety trainings must be complete	22	23
24	25	26 Laboratory Technique Training (PCR)	27	28 Journal Club #5 Guest author/facilitator (2:30-3:30) (2 Groups of 2) October Monthly Reflection due/CITI training due	29	30
31						
*Laboratory Techniques (Subject to Change): <ul style="list-style-type: none"> • Cell Culture • Electrophoresis • Immunoblotting • Protein & RNA isolation • PCR 						



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**November
 2021**

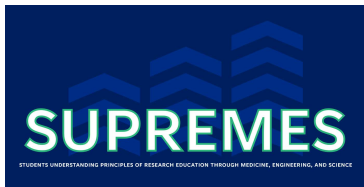
SUPREMES 2:30-5:00 PM

Agenda items
 Assignments due

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2 No class	3	4 Laboratory Technique Training (Microscopy)	5	6
7	8	9 Journal Club #5 (1 Group of 3) Flow-cytometry (Guest presenter)	10	11 Laboratory Technique Training (Cell culture)	12	13
14	15 Veterans Day	16 Journal Club #6 (2 groups of 2)	17	18 Journal Club #7 (2 groups of 2)	19	20
21	22	23 Journal Club #8 (1 group of 2) Journal Club Wrap-Up Discussion	24	25 Thanksgiving Day	26	27
28	29	30 Data analysis and statistics November Monthly Reflection due				

***Laboratory Techniques (Subject to Change):**

- Fluorescent Microscopy
- Centrifugation
- Bioinformatics
- Basic Statistics



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**December
 2021**

SUPREMES 2:30-5:00 PM

Agenda items
 Assignments due

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 LAB TECHNIQUES REVIEW	3	4
5	6	7 Session cancelled	8	9 Different career paths	10	11
12	13	14 LAB PRACTICAL (Written Questions via Zoom)	15	16 Make-up day	17	18
19	20	21 December Monthly Reflection due	22	23	24	25 Christmas
26	27	28	29	30	31	



SUPREMES
STUDENTS UNDERSTANDING PRINCIPLES OF RESEARCH EDUCATION THROUGH MEDICINE, ENGINEERING, AND SCIENCE

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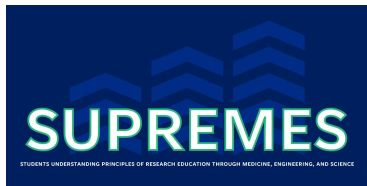


**January
2022**

Laboratory (≥ 6-8 hours/week)

SUPREMES 2:30-5:00 PM

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1 New Year's Day
2	3	4	5	6 Lab Preparation	7	8
9	10 Begin research in a lab	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					



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February 2022 <input type="checkbox"/> SUPREMES 2:30-5:00 PM <input checked="" type="checkbox"/> Laboratory (≥ 6-8 hours/week) Assignments (homework)						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17 Assignment for March: Bring 1-page outline of Scientific Report	18	19
20	21	22	23	24	25	26
27	28					



SUPREMES
STUDENTS UNDERSTANDING PRINCIPLES OF RESEARCH EDUCATION THROUGH MEDICINE, ENGINEERING, AND SCIENCE

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**March
2022**

- SUPREMES 2:30-5:00 PM
- Laboratory ($\geq 6-8$ hours/week)

Assignments due

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17 How to Compose a Scientific Manuscript Scientific Report Outline due	18	19
20	21	22	23	24	25	26
27	28	29	30	31		



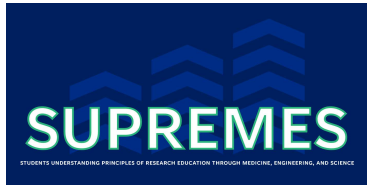
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**April
 2022**

- SUPREMES 2:30-5:00 PM
 - Laboratory (≥ 6-8 hours/week)
 - Presentation (Community Engagement: Poster Presentation)
- Assignments due

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7 Abstracts, Posters, and Presentation	8	9
10	11	12	13	14	15	16
17	18	19	20	21 Posters due	22	23
24	25	26	27	28	29	30



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**May
 2022**

- SUPREMES 2:30-5:00 PM
- Laboratory (≥ 6-8 hours/week)
- Program Symposium (TBD)
- Assignments due

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3 Cohort Check-in Abstract due Biographical Info due	4	5 Updated Posters due	6	7
8	9	10 Manuscript due	11	12 SUPREMES Symposium	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30 Memorial Day	31				