

The 2014 Summer Undergraduate Research Program of Center for Neural Science, New York University

Syllabus, 05/9/2014 version

Attendance by SURP Students Required, except where noted

Letters in bold indicate required writing assignments

Date	Occasion	Time and place	Leader and participants
<i>Week 1</i> May 27 Tuesday	Orientation and Welcome Reception hosted by the CNS	9 am – 6 pm Rm 815 Meyer Complex	All students, Dr. Chiye Aoki, SURP Director Dr. Margarita Kaplow, SURP Coordinator and Ms. Vik Keenan, past SURP Coordinator
	Breakfast and Introduction	10:00 –12:00	
	Orientation to the program ; Use of the NYU computers		Paul Fan
	Greetings from the Chair of CNS	11:45-12	Dr Tony Movshon, the CNS Director
	Buffet Lunch with mentors	12pm-1pm	All SURP students, Mentors, Dr. Mark Klinger, CNS coordinators and CNS staff
	Orientation on the use of animals in research	1pm-2pm	All SURP students, Dr. Mark Klinger
	Orientation on lab safety	2pm-4pm	All SURP students, Dr. Paul Rubock, Lab safety
May 28 Wednesday	Getting NYU IDs, walk around the neighborhood	4pm-5pm Public Safety Office	All SURP participants, with NYU students
	Visit Mentor's lab	5pm-6pm	All SURP participants
	Wet Lab Boot Camp I: DNA extraction, PCR and Prep for Immunocytochemistry (Making buffers, using the pH meter, preparing brain sections)	612 Silver 9am-1p	ALL SURP participants, Chiye Aoki, Yi-wen Chen and Margarita Kaplow

May 29 Thursday	Tour of the animal facility	Meet in Meyer lobby Time to be determined	For live animal users, only (bring NYU ID)
	Wet Lab Boot Camp II: Digestion of PCR products, Running agarose gel. Immunocytochemical visualization of antigens and light microscopic viewing of brain specimens	612 Silver 9am-4pm	ALL SURP participants, Chiye Aoki and Margarita Kaplow
May 30 Friday	Wet Lab Boot Camp III: Visualize PCR products	612 Silver 9am-12pm	ALL SURP participants, Chiye Aoki and Margarita Kaplow Submit a tentative title of your summer research, due at the end of the day
<i>Week 2</i> June 5 Thursday	SURP Group meeting, followed by luncheon and “Visual Coding of Local Orientation”	815 Meyer 11am-12pm 12pm-1pm	Group discussion among SURP students, facilitated by Chiye Aoki Lecture by Dr. Michael Landy Submit a revised title and a bibliography
<i>Week 3</i> June 11 Wednesday	SURP Group meeting, followed by luncheon, Followed by a lecture on Development of the auditory system	815 Meyer 11am-12pm 12pm-1pm	Group Discussion among SURP students, facilitated by Dr. Aoki Lecture by Dr. Dan Sanes Submit a rough draft of the Background section of the summer paper
<i>Week 4</i> June 19 Thursday	SURP Group Meeting followed by luncheon and Lecture on: “The psychology of perception”	815 Meyer 11am-12pm 12pm-1pm	SURP Students Lecture by Dr. Pascal Wallisch Submit a rough draft of the ‘Methods’ section of the summer paper

<i>Week 5</i> June 26 Thursday	SURP Group meeting, followed by luncheon and Lecture on: “Plasticity two ways”	815 Meyer 11am-12pm 12pm-1pm	Group discussion among SURP students, led by Dr Aoki, then a Lecture by Dr. Wendy Suzuki Submit a ‘pretty good’ draft of the ‘Intro’ section, consisting of the rationale and background material.
<i>Week 6</i> Fourth of July	SURP Group Meeting	East River viewing of the fireworks, Evening	Group outing, voluntary
July 3 Thursday	SURP Group meeting, followed by luncheon and Lecture on: "BP ENDURE Graduates' Perspectives and Tips on the Grad School Application Experience"	815 Meyer 11am-12pm 12pm-1pm	Group Discussion led by Chiye Aoki Michael Rabadi and Mahfuzur Miah Submit a rough draft of the Results section (Imaginary graphs, tables, and drawings that shows the kind of data you <i>hope</i> to collect plus interpretation of expected results)
<i>Week 7</i> July 8 Tuesday	SURP group outing Broadway musical: “Wicked”	The Gershwin 7pm	
July 10 Thursday	SURP Group meeting, followed by luncheon and Lecture on : “Cellular basis of memory”	815 Meyer 11am-12pm 12pm-1pm	Group Discussion led by Chiye Aoki, Lecture by Dr. Eric Klann Submit a ‘pretty good’ draft of the “Methods’ section of the summer paper and any update on results
<i>Week 8</i> July 17 Thursday	Lecture on : “Modulation of actions by Pavlovian cues” Group Meeting Lunch, PowerPoint presentations by students All-NYU Conference For Summer Research Participants	815 Meyer 11am – 12pm 12pm-1pm Place and time TBD	Lecture by Dr. Vincent Campese 5-min Practice talks by SURP students – mentors welcomed to join Submit a rough draft of the Results and Discussion Section that considers the significance of data to be collected

<i>Week 9</i> July 21 Monday	NYU Summer Student Conference	TBA	TBA
July 23 Wednesday	Practice session for the Symposium	9am-5pm	SURP students with Chiye Aoki, Margarita Kaplow and mentors coaching the talks Come with your Full PowerPoint Presentation
July 25 Friday	SURP Symposium! Celebration Tea	9am-3pm 3-3:30pm	SURP students, open to the public and mentors (Invite your friends and family!) Coffee Break, Lunch, Coffee Break and tea for SURP participants and CNS community
<i>Week 10</i> July 28 Monday	Filling out Survey Monkey	12-1pm	Last day to submit a draft of the entire paper to mentor
August 1 Friday	SURP students and mentor luncheon	12-3pm	SURP students and mentors Last day to submit the final version of the summer research paper to mentor and Dr Aoki
August 2 Saturday	Check out from the dorm		

Suggested weekend outings: Movies, Fireworks on 4th of July, Museum tour, Statue of Liberty, Sailing, Boating/Zoo in Central Park