



Office of Engineering Outreach Programs

Dear Marina,

I hope you are continuing to work hard during your senior year and are making the most of your experience in the MIT Online Science, Technology, and Engineering Community (MOSTEC). MOSTEC has one-of-a-kind opportunities for you to hone your interests in science and engineering with a group of high achieving peers and accomplished, dedicated mentors from across the country.

Enclosed are your MOSTEC Course Final Evaluations. These evaluations assess your performance in your project and core courses this past summer and describe some of your strengths and areas to improve upon.

Please take time to reflect on these recommendations as you prepare for college. If you received constructive feedback, take a deep breath and think about how you can continue to improve in the areas noted. In doing so, you will be better prepared to perform at the highest levels in college.

We encourage you to share your evaluation with your parents/guardians and discuss strategies on how you can continue to grow as you complete high school. You may also choose to share it with your guidance counselors, teachers, mentors, and college admissions officers.

We have thoroughly enjoyed working with you in the MOSTEC Program. We trust that you have been both challenged and inspired, and that your memories of the experience will be everlasting. Remember to strive for excellence in whatever you do. Also, remember to stay in touch with our office during and after MOSTEC, and let us know if we can be of any assistance while you plan for college.

Sincerely,

A handwritten signature in black ink, appearing to read 'Annie Grant', with a stylized, flowing script.

Annie Grant
MOSTEC Program Administrator
Office of Engineering Outreach Programs
Massachusetts Institute of Technology

Enclosures: MOSTEC Evaluations

MOSTEC 2021 Course Performance Assessment

Summer 2021

Student Name: Marina Morcos

Course: Aerospace Engineering: It's Rocket Science!

Instructor Name: Tiera and Myron Fletcher

Course Description:

With Instructors and Professional Aerospace Engineers Tiera Fletcher and Myron Fletcher, students who take the MOSTEC Aerospace Engineering course will gain an understanding of the fundamentals of aerospace engineering, the current and future aerospace market, career opportunities within aerospace engineering, basic physics concepts, relevant mathematics, applications of aerospace concepts, and rocketry. The course will walk through Newton's laws of motion in connection to the infamous rocket equation. By the end of the course, students will understand the basics of how to design a rocket.

Instructor Assessment

Feedback on overall performance:

Marina is a very careful, meticulous student. She was very engaged in the material and every aspect of the course. Marina never hesitated to ask questions to gain better understanding of the course material. As Marina continues to grow as a student, we imagine that she will enhance her great work ethic and effort even greater. Her maturity was strongly exhibited as she exhibited ease with utilizing resources, office hours, and asking clear and detailed questions. She has strong skills in communication, collaboration, technical learning, and much more. We imagine that she will continue to improve as a student in preparation for the career of her choice.

MOSTEC 2021 Course Performance Assessment

Summer 2021

Student Name: Marina Morcos

Course: Science Writing & Communication

Instructor Name: Mary Caulfield

Course Description:

The Science Writing and Communication class was designed to introduce STEM students to the craft of writing about science, engineering, and technology for the general public. Students were assigned a challenging set of weekly readings that introduced elements of the craft and gave examples of the intersections between science, culture, technology, and social concerns. The course emphasized skills necessary to engage readers and translate science into nontechnical language. These skills included structuring narratives, understanding the audience, research, and interview techniques. The course also offered students the opportunity to think critically about the intersections between their identities as scientists, citizens, and community members, learning not just the technical skills of a science writer, but how to approach scientific ideas and new technologies from an ethical and cultural standpoint. Given these goals, in-class discussions, group work, and effective interaction with peers were essential components of the class. Students' performance was assessed based on participation, completion of weekly writing assignments, written and oral responses to readings, and engagement with fellow students during in-class discussion and writing.

Instructor Assessment

Feedback on overall performance:

Marina Morcos brought a high level of energy to our class and exhibited true enjoyment of the writing tasks. She demonstrated curiosity about her topic as well as strong research skills. Our class moved at a rapid pace, and Marina was able to produce timely, thoughtful, and interesting work at every stage. While Marina began the writing process with several well-developed ideas, she quickly settled on forensic science as her focus. Her interview with a forensic scientist showed that she had done thorough background research. Indeed, the scientist commented on this during the interview, saying that she didn't always grant interviews to students. Given time constraints, completing the interview was a major challenge, but Marina was able to submit her transcript on time on time and with sufficient background research. Reading responses from Marina were concise, effectively argued, and used specific examples. They showed the importance that Marina places on accurate scientific writing that engages the public; in addition, her responses highlighted the importance of women's contributions in the workplace. These written responses showed Marina to be an insightful reader who knows how to support an argument. Marina clearly has a flair for science writing, and her final article was highly engaging. I hope that Marina will continue to write for an audience interested in STEM topics.