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**DALHOUSIE
UNIVERSITY****Faculty of Science Course Syllabus****Department of Biology****BIOL/MARI 3221.03****Seaside 2023- Diversity of Algae**

Parts of this course may be altered depending on availability due to the health and safety regulations in place at the time.

Instructor(s): Beverly Hymes (Beverly.Hymes@dal.ca); Dr. Herbert Vandermeulen

My name is Bev Hymes, I am the lead instructor for this course. I studied algal ultrastructure under Professors K. Cole (University of British Columbia) and T. Sawa (University of Toronto). Dr. Herb Vandermeulen (a retired macrophyte ecologist from the Bedford Institute of Oceanography) co-wrote many of the lectures with me. Some of our material was adapted from lectures developed by Drs. Ellen Kenchington and Bob DeWreede; we thank them for allowing us to incorporate some of their material. We may have guest lecturers as well.

Course Demonstrator: Khadijah Carey

My name is Khadijah Carey, I am a Laboratory Technician and Research Assistant. After earning my Bachelor of Science in Biology from Dalhousie University I went on to continue to explore my love for academic research, an interest that was first sparked during my Senior Year doing a Special Projects program in parasitology. My time in this research led to my first publication "Physiology and Behavior of *Ixodes scapularis* Infected with *Bartonella* spp. in Nova Scotia" published in the International Journal of Biology just a few short months after my graduation. I then shifted fields into the Oceanography segment where I spent 3+ years studying the effects of climate change and changing oceans on Phytoplankton, which are microscopic marine algae. Here I gained and refined skills in cell isolations, culture growth & maintenance and macromolecular analysis. During these early years as I continue my professional growth in scientific research, I am looking to diversify the types and fields of research that I apply myself too thus allowing me to build a diverse skill set, nurture analytical thinking and expand my overall scientific knowledge. When I'm not keeping busy with research you can find me exploring the world through my love for travel and reading novels along the way!

Course Dates: Wednesday, April 26 – Sunday, May 14, 2023;

Monday – Sunday 10:05AM – 5:25 PM

There will be breaks throughout the day and schedule may vary due to field trips and guest lectures. There may be some unscheduled days during the week.

Lectures: 10:05 – 12:25 AM LSC 2102

Laboratories: 13:25 – 17:25 PM LSC 2102

Field Trips: There will be three field trips throughout the course. Rain or shine!! We will depart from the King's/Biology parking lot area at the scheduled time. See below for more information on field trips (i.e. what to bring, etc.).
