



HealthReach is a design course with the aim to teach math and science to hospitalized children using their own disease as the motivation and springboards for learning. The course is a unique opportunity for undergraduate students to be challenged to create interactive teaching modules for complex math and science principles and spend time working directly with children ages K-12. The first semester, students will work directly with families staying at the Atlanta Ronald McDonald House and students in North Fulton County Schools. Subsequent semesters, students will have the opportunity to have one-on-one patient interaction at Children's Healthcare of Atlanta. This depth elective course aims to familiarize students to the program, with the hope that students remain with HealthReach during following semesters as volunteers and course leaders. (Note: this class was previously BMED 4843)

Course Information

BMED 4863 Lam – Depth Elective credit for BME majors

For non BMEs: free elective credit (consult with advisor)

Fall 2020 Schedule - Monday Lecture 9:30-10:20am, Tuesday Lab 3:30-6:15pm, and community volunteering

Course Objectives:

- Use problem-based learning skills to
 - Design, Create, and Teach advance scientific and mathematical material at a simplified level.
- Create new human physiology-related modules following design principles.
- Study communication, education, and teaching skills for working with school-aged children.
- Shadow one of our current teachers in a hospital and work directly with hospitalized patients.

Pre-requisite Requirements:

- A commitment to be a part of this program for a minimum of a full calendar year (Fall 2020, Spring 2021)
- **You must also fill out the online application** which can be found at:
- <https://forms.gle/SYSxMtZhiqTN9wRCA>
- Applications will be reviewed in waves with the first wave closing April 3rd. The class does have a max number of participants, apply early.
- Course permits will be issued by the end of Phase I. Space is limited. For any questions, contact bmehealthreach@gmail.com

Information Session – If you are interested in registering for this course, we will have one online information sessions Tuesday, March 31st 4:30pm-5:45pm through BlueJeans.

Please email Elaiissa.hardy@emory.edu for the BlueJeans link.

If you cannot attend and have questions, please email bmehealthreach@gmail.com to arrange a meeting.

Website: bmehealthreach.gatech.edu | Facebook: www.facebook.com/BMEHealthReach

Twitter: twitter.com/BMEHealthReach Instagram: instagram.com/bmehealthreach