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# Maine Microscopy: Foundations and Fundamentals

**June 12-18 2022**

A microscopy course for Maine scientists at all levels, including graduate students, postdoctoral trainees, research assistants, and junior faculty who want to more fully understand current imaging technology and how technical decisions impact final image products.

This one week course will cover mechanics, quality control, and calibration in both light and fluorescence microscopes. Lectures from a slate of expert faculty will be mixed with practical exercises and journal club discussions. A major focus will be on data collection and image processing, with emphasis on best practices for writing methods sections in a way that promotes rigor and reproducibility.

The course will have a limited number of students to facilitate hands-on microscopy work. Participants will receive readings in advance to jump start discussions and identify specific topics that may benefit from additional instructor time.

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*This course is funded by Maine INBRE*