



Microscopy & Imaging

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There have recently been great advances in instruments and techniques for microscopy, especially for biological and medical research and diagnostics. This course investigates the common properties of imaging systems, including the physical principles, hardware and algorithms. Applications in the biomedical area are stressed, but other applications range from remote sensing, geophysical imaging, nondestructive testing and machine vision. The objectives of the course are the understanding of the physical principles of modern microscopy, and the use of these to solve quantitative problems about imaging.

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