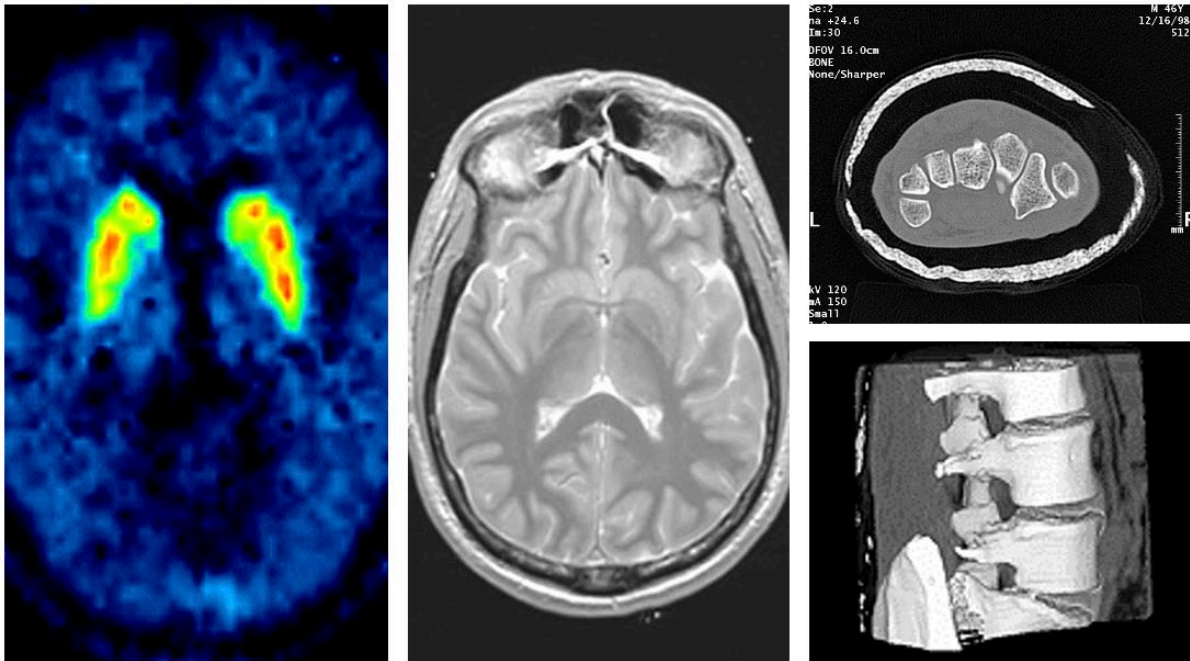


BN5207 MODULE TITLE

WHAT IS THIS MODULE ABOUT?

This module covers the physics and technology of the major branches of medical imaging, which include X-ray, computed tomography, magnetic resonance imaging, and single-photon and positron emission tomography. Topics that are important to developing a sound understanding of medical imaging technology, such as image forming processes, tomographic reconstruction methods, image analysis, and clinical applications, comprise an important portion of the module. A variety of clinical applications and research topics will be introduced.



WHY YOU SHOULD CONSIDER THIS MODULE

This module is suitable for students who wish to undertake advanced studies and research or work in the area of biomedical imaging. Students will learn new topics of medical image systems. Students will also develop medical image approaches to demonstrate the use of medical image analysis in clinical and research problems.