موضوعـات امتحـان القبـول لدرجتى الماجسـتير والدكتـوراة ببرنامج الهندسـة الطبية

Topics for BME candidancy exam

Biomaterial applications in human artificial joints.

The effect of different fixation in human artficial joints.

Biomechanics of human joints.

Medical Imaging Modalities (select 1 topic only).

Clinical engineering and its role in modern hospitals.

Applications of machine learning algorithms and/or artificial intelligence in computer-aided diagnosis

Medical data classification using different optimization techniques.

Hyper Heuristic Algorithms for diseases consulting system.

Machine Learning algorithms Integrating metaheuristic optimizers for Medical Dataset Classification and feature selection.

Digitalization in Medicine: the Internet of Medical Things (IoMT)

الامتحـان عبارة عـن عـرض تقديمـي (power point) لا يزيـد عـن 15 دقيقـة
ثم يتم سؤال الطالب فيما قدمه من خلال لجنة الامتحان بالقسم