

MODULE CONTENT

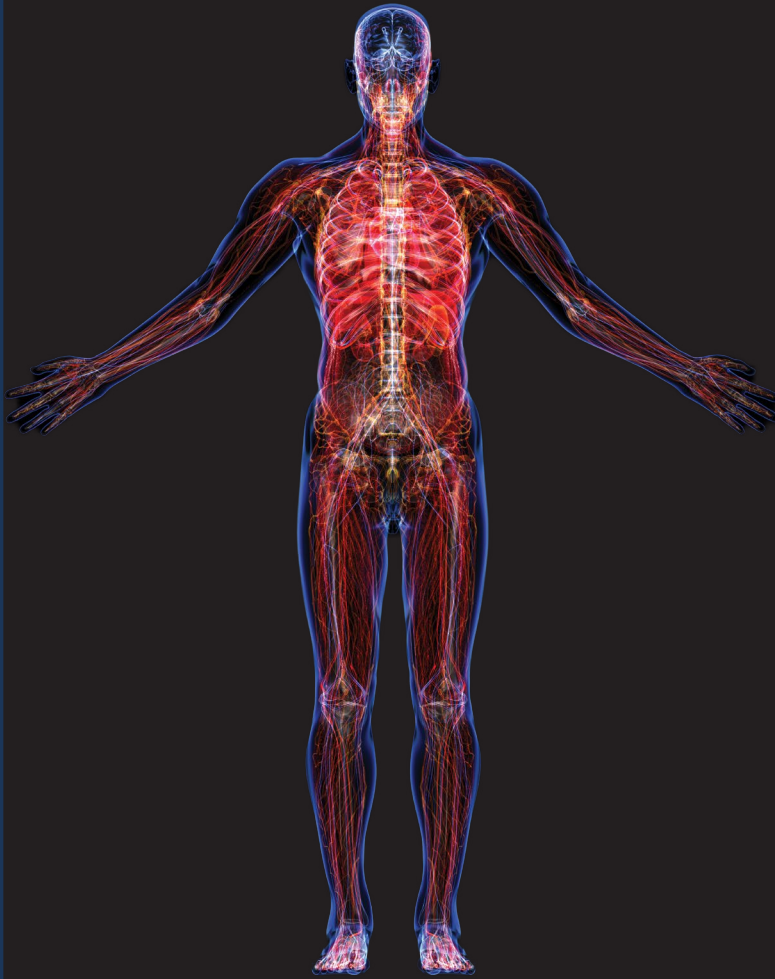
This module deals with the structures and functions of the human body's organ systems. It describes the components of each of the systems and how these systems interrelate.

It also describes diseases and disorders associated with the systems and refers to design features of the relevant biomedical equipment.

LEARNING OUTCOMES

On successful completion of this module, students should be able to:

- Use appropriate anatomical terminology in discussion of the human body in relation to medical technology design and development.
- Describe the major body systems: Cardiovascular, Digestive, Musculoskeletal, Nervous, Respiratory, Integumentary, Lymphatic, Immune and Urogenital systems.
- Use appropriate anatomical terminology.
- Identify important features of organs.
- Describe the function of organs.
- Display critical thinking in the discussion of structure-function relationship of organs and systems in the context of medical technology design and development.



AN6020 Fundamentals of Human Structure

MODULE GOAL

To provide an introduction to anatomical terminology and to the structural biology of the major body systems in the context of medical device design and development.



TEACHING METHOD

25 hrs Online asynchronous activities
2 hrs Online synchronous activities
2 x 3hr Lab sessions

ASSESSMENT

E-activities: 4 x MCQ / SAQ quizzes (80 Marks)
Discussion Board(s): discussion to apply module content appropriately with reference to Medical Technology Design and Development (20 Marks)