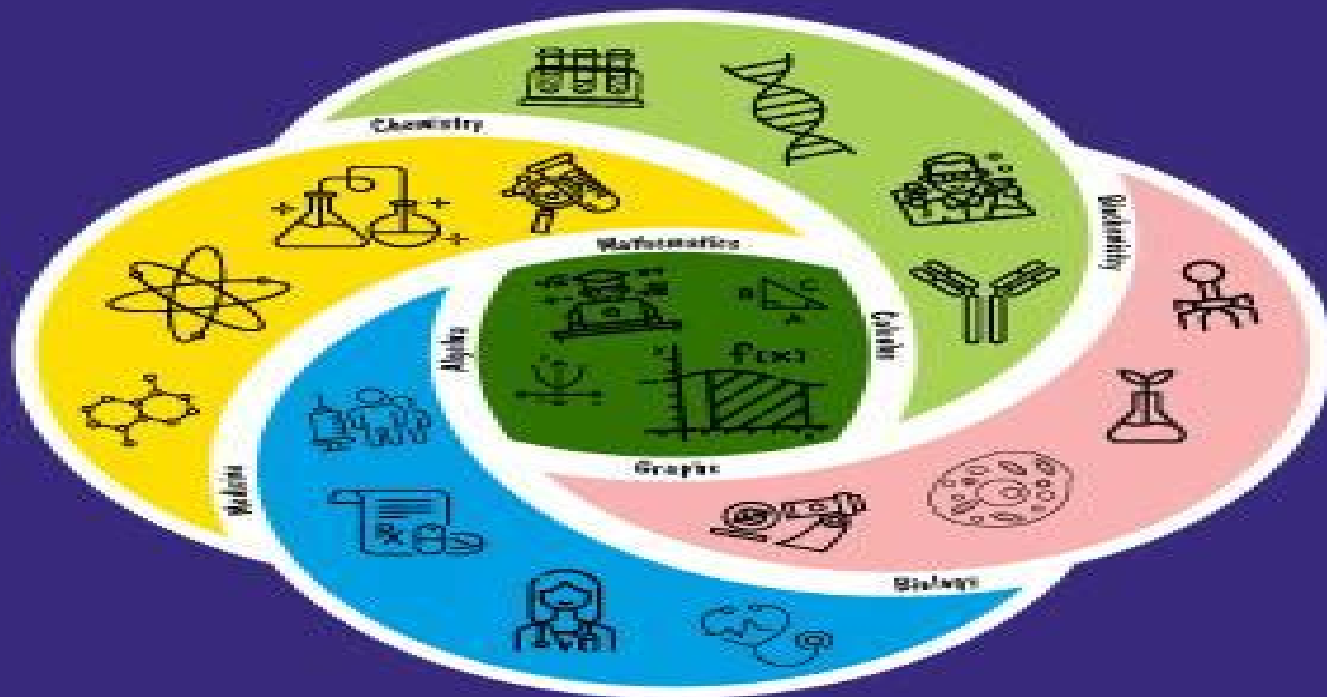


# MATHEMATICS FOR BIOSCIENCES

From Theory to Worked Examples  
and Applications

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cycle Chapter 2 describes how tumor secretes growth factors to form new blood vessels in its vicinity which provide it with nutrients it needs in order to grow Chapter 3 explores the process that enables the tumor to invade the neighboring tissue Chapter 4 models the interaction between a tumor and the immune system Chapter 5 is concerned with chemotherapy it uses concepts from control theory to minimize obstacles arising from drug resistance and from cell cycle dynamics Finally Chapter 6 reviews mathematical results for various cancer models      *Core Maths for the Biosciences* Martin B. Reed, 2011-03-31

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