



National University of Sciences and Technology

Course Description

Course Title	Course Code	Credit Hours
Visual Perception	BMES-844	3 – 0

TEXT BOOK:

- Wolfe, Jeremy M., et al. Sensation and Perception. Sunderland, MA: Sinauer Associates Inc., 2005
- Howard IP, Rogers BJ. Seeing in Depth, Oxford University Press; 2008. (latest edition).

REFERENCE BOOK

- N/a

COURSE OBJECTIVES:

This course examines different aspects of visual perception including visual sensing, information processing, and perception of space, color, and motion. Examples are drawn from seminal studies and recent results in perception research. Development of visual system is explored along with interaction with other sensory regions in the brain. Techniques of measuring and analyzing visual perception using psychophysics are also described.

COURSE OUTLINES

- Introduction to Perception and Physiology of Perception
- Vision to Visual Cortex and Perceiving Objects and Scenes
- Visual Attention
- Perceiving Motion and Perceiving color
- Sound and Auditory Scene

ASSESSMENTS

Description	Percentage Weightage (%)
Assignments	05-10%
Quizzes	10-15%
Mid Semester Exams	30-40%
End Semester Exam	40-50%