

**WILMINGTON UNIVERSITY  
COLLEGE OF TECHNOLOGY  
BASIC COURSE INFORMATION**

**COURSE TITLE: Computer Vision and Image Analysis**

**COURSE NUMBER: CSC 470**

**I. MAJOR INSTRUCTIONAL OBJECTIVES:**

**Objective A: Apply Computer Vision Concepts**

A-1: Apply image-processing fundamentals

A-2: Manipulate images using image normalization, filters, and edge detection

A-3: Apply imamine deep learning for image classification including convolutional neural networks

**Objective C: Analyze Image Classification Models**

C-1: Contract overfitting and counteracting overfitting

C-2: Differentiate between Transfer learning, object detection, and semantic segmentation

**II. CLASS PARTICIPATION:**

Students are expected to attend class and participate actively and in a positive way. Questions and relevant observations are encouraged and enrich the experience of the entire class. Computers in the classrooms are intended to be used as tools to enhance the students' learning experience. Instant messaging, gaming, emailing, and surfing the web are distractions to the student, the surrounding students, and the instructor and constitute inappropriate behavior. Students are ethically obliged to avoid these and similar practices.