WILMINGTON UNIVERSITY
COLLEGE OF TECHNOLOGY
BASIC COURSE INFORMATION

COURSE TITLE: Basic Web Application Development
COURSE NUMBER: WIS305

I. MAJOR INSTRUCTIONAL GOALS

During this course, students should improve their understanding of:

GOAL #1: Provide a foundation for learning to program.
Learning Outcomes - The student will:
   A. Become knowledgeable about the history of computers
   B. Be able to describe the relationship of hardware and software in computer architecture
   C. Understand the binary representation of data and programs in computers
   D. Be introduced to the software development process

GOAL #2: Demonstrate awareness of open source technology.
Learning Outcomes - The student will understand the availability and capability of various open source platforms such as LAMP/MAMP

GOAL #3: Demonstrate comprehension of elementary web programming concepts.
Learning Outcomes - The student will:
   A. Understand the use of variables, methods, conditional statements, conditional loops, and information passing in a web environment
   B. Recognize differences between compiled programming languages and scripting languages.

GOAL #4: Understand how to create simple HTML forms and process the form data using a server side scripting language.
Learning Outcomes - The student will understand how to obtain data from a user via an HTML form and process it on the web server using PHP.

GOAL #5: Program debugging.
Learning Outcomes - The student will understand the difference between syntax, run-time, and logic errors and will be able to do basic software debugging using print statements.

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.