# BAKER COLLEGE
# STUDENT LEARNING OUTCOMES

### WEB1310 Web Development I
### 3 Semester Credit Hours

## Student Learning Outcomes and Enabling Objectives

1. Create a website using PHP open-source scripting language:
   a. Design a website using PHP.
   b. Develop a website using PHP.

2. Program web applications using PHP open-source scripting language.
   a. Program various types of PHP variables and data types.
   b. Program various types of PHP forms.
   c. Program various types of PHP arrays and data structures.
   d. Submit PHP forms using JavaScript.
   e. Implement input validation using JavaScript.

3. Create a website using MySQL open-source database management system.
   a. Design a website using MySQL open-source database management system.
   b. Develop a website using MySQL open-source database management system.

4. Program web applications using MySQL open-source database management system.
   a. Create a database using MySQL database management system.
   b. Create different user categories for a MySQL database with corresponding access rights.
   c. Create tables in a MySQL database.
   d. Create and manipulate different types of MySQL database entries.
   e. Conduct various types of searches on a MySQL database.

5. Program web applications using PHP scripting language and MySQL database management system.
   a. Create a connection script and form.
   b. Create a feedback webpage.
   c. Retrieve data from the MySQL database through the website.
   d. Display data retrieved from the MySQL database.

# Big Ideas and Essential Questions

**Big Ideas**
- Web Development
- Database Applications
- Art Production

**Essential Questions**
1. What constitutes a website?
2. What do you need to consider when designing a website for specific user categories?
3. What are the main types of web applications?
4. How do the art production and programming work together in website development?
5. How do all the components fit together to make a quality website?
6. How does the type of website influence the components used to make it?

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These SLOs are approved for experiential credit.

**Effective: Fall 2021**