

| <b>COMP B72 Applied Software Design</b>   |                |            |                |           |
|---|----------------|------------|----------------|-----------|
| <b>Student Learning Outcomes</b>  | <b>Measure</b> | <b>PLO</b> | <b>ILO</b>     | <b>GE</b> |
| 1. Examine a possible computer programming scenario, conduct a needs assessment, and plan a solution for said scenario. | • Projects     | N/A        | I<br>II<br>III | N/A       |
| 2. Design and develop the database derived from the needs assessment that conforms to data modeling standards.          | • Projects     | N/A        | I<br>III       | N/A       |
| 3. Develop the front-end and back-end computer programs that satisfy the system requirements.                           | • Projects     | N/A        | I<br>III       | N/A       |
| 4. Produce quality internal and end-user documentation for the developed system.  | • Projects     | N/A        | I<br>II<br>III | N/A       |

**PL PLOs:**

**Course is not included in any APPROVED programs at this time**

**ILOs:**

- I. Think critically and evaluate sources and information for validity and usefulness.**
- II. Communicate effectively in both written and oral forms.**
- III. Demonstrate competency in a field of knowledge or with job-related skills.**
- IV. Engage productively in all levels of society – interpersonal, community, the state and nation, and the world.**

**GELOs:**

**N/A**