

**Course Evaluation Measures Menu**

**Course number: EDD 249**

**Course title: Engineering Design Process**

**Campus location(s): Stanton**

**Effective semester: 202351**

**Core Course Performance Objectives**

1. Describe and apply the adaptive assembly approach. (CCC 1, 2, 3, 4, 5, 6; PGC 2,

 3, 4, 5)

1. Interpret and apply the basic parametric modeling process. (CCC 1, 2, 3, 4, 5, 6;

 PGC 1, 3, 4)

1. Produce a simple parametric model. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 3, 4, 5)

4. Create drawing layouts from a parametric model. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 4, 5)

**Summative Evaluations**

*Please note: All courses must have a* ***minimum******of four*** *summative evaluation measures, and those measures should include a variety evaluation methods (e.g., test, oral presentation, group project).* ***Please list all summative evaluation measures.*** *In addition to these summative measures, a variety of formative exercises/quizzes/other assignments should be used to guide instruction and learning* *but do not need to be included on this template.*

*For each measure, please include a scope of the assignment: for example, if requiring a research paper, include the range of required number of words and numbers and types of sources; for a test, include the types and numbers of questions; for a presentation, include the minimum and maximum time, and so on.*

|  |  |
| --- | --- |
| **Evaluation Measures:** Include each agreed upon measure and scope of that measure (see above). | **Which CCPO(s) does this evaluation measure?**  |
| **Individual Student Project*** Minimum of 7 assessments
* Select from quizzes and solid modeling exercises. (Equally Weighted)
 | **1, 2, 3, 4** |
| **Exam*** Performance examination of advanced solid modeling CAD tools.
 | **1, 2, 3, 4** |
| **Group Capstone Project** * Complete set of working drawings per ANSI standards.
* Prototype
* Final presentation to a group of advisory committee members, faculty, and fellow students.
 | **1, 2, 3, 4** |
| **Student Portfolio** * Group Project data and process drawings.
* Career preparedness assignments (resume, cover letter, interview skills, etc.).
 |  **1, 2, 3, 4** |

**FINAL COURSE GRADE**

(Calculated using the following weighted average)

|  |  |
| --- | --- |
| **Evaluation Measure** | **Percentage of final grade** |
| Individual Student Project (Formative) (Equally Weighted) | 20% |
| Exam (Summative) | 10% |
| Group Capstone Project (Summative) | 60% |
| Student Portfolio (Summative) | 10% |
| TOTAL | 100% |

 (Electronic Signature Permitted)

**Submitted by (Collegewide Lead):** Chris Chamberlain Date 10/29/2021

**[ ]  Approved by counterparts Stanton Only** Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  Reviewed by Curriculum Committee**  Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_