Course: ENGG2740  
Course ID: 013399  
Eff Date: 2022-07-01  
Crse Status: Active  
Apprv. Status: Approved  

**Course: Differential Equations for Engineers**


**Grade Descriptor:**

**A**

EXCELLENT – exceptionally good performance and far exceeding expectation in all or most of the course learning outcomes; demonstration of superior understanding of the subject matter, the ability to analyze problems and apply extensive knowledge, and skillful use of concepts and materials to derive proper solutions.

**B**

GOOD – good performance in all course learning outcomes and exceeding expectation in some of them; demonstration of good understanding of the subject matter and the ability to use proper concepts and materials to solve most of the problems encountered.

**C**

FAIR – adequate performance and meeting expectation in all course learning outcomes; demonstration of adequate understanding of the subject matter and the ability to solve simple problems.

**D**

MARGINAL – performance barely meets the expectation in the essential course learning outcomes; demonstration of partial understanding of the subject matter and the ability to solve simple problems.
F

FAILURE - performance does not meet the expectation in the essential course learning outcomes; demonstration of serious deficiencies and the need to retake the course.

Equivalent Offering:
Units: 2 (Min) / 2 (Max) / 2 (Acad Progress)
Grading Basis: Graded
Repeat for Credit: N
Multiple Enroll: N
Course Attributes:

Topics:

COURSE OUTCOMES

Learning Outcomes:
At the conclusion of the course, students should be able to
1. demonstrate knowledge and understanding of the basic elements of ordinary and partial differential equations
2. model simple engineering problems using differential equations and solve them

Course Syllabus:
Provided by the course teacher(s) in the respective teaching term.

Assessment Type:
Essay test or exam: 65%
Homework or assignment: 25%
Others: 10%

Feedback for Evaluation:
Students may provide their feedback through office hours and course evaluation.
**Required Readings:**

To be provided by course teacher

**Recommended Readings:**


### OFFERINGS

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<tr>
<th>Course</th>
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### COMPONENTS

- **LEC**: Size=80; Final Exam=Y; Contact=2
- **TUT**: Size=80; Final Exam=N; Contact=2

### ENROLMENT REQUIREMENTS

1. **ENGG2740**
   - Enrollment Requirement Group:
     - Not for students who have taken ENGG2420 or 2460 or ESTR2000 or 2010 or 2016

### CAF

- eLearning hrs for blended cls: 0
- No. of micro-modules: 0
- Research components (UG): 0%

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