

MATH 266 Differential Equations

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Text: *Elementary Differential Equations*, 7th Ed, by Boyce and DiPrima,.

Course Objective: To introduce students to fundamental ideas and methods of differential equations and their applications.

Course Description: Methods for solving elementary ordinary differential equations of 1st and 2nd order; systems of linear differential equations; operator methods; series solutions; introduction to nonlinear differential equations. Prerequisite: *MAT-265*

Sections to be Covered: Most sections in Ch.1, 2, 3, 5, 7, and 9.

Course Requirements: Take all the in-class exams and the final exam.

Minimum Required Effort: 8 hours a week after class.

Academic Integrity : See Student Handbook

Attendance: your attendance will be recorded at each class

Disruptive/Disrespectful Behaviors: 1 to 10 Points will be deducted from your grade for each disruptive/disrespectful behavior.

(1) **The use of a cell-phone. Turn off the power of your cell phone before entering the classroom.**

(2) **Making a noise, including talking with a classmate, yelling or screaming.**

Any disrespectful way of talking to the professor: Each disrespectful speech will receive a caution.

Several cautions will result in 1 warning.

Test Dates: Test 1: 2/1 F, Test 2: 2/29 F, Test 3: 4/4 F, Test 4: 4/28 M

Test Regulations

(1) **All the in-class tests are closed-book and closed-note tests.**

(2) **The use of a cell-phone during a test is considered as an act of cheating.**

(3) Leaving the classroom during a test is allowed only to go to the restroom except for a severe sickness.

Final Exam:

1 Hour Exam: 100 points	Final Exam: 100 points	Final Score: 100 points
T1 := Test 1 Score	P1: = Part 1 Score	T1 _{final} := Higher of T1 and P1
T2 := Test 2 Score	P2: = Part 2 Score	T2 _{final} := Higher of T2 and P2
T3 := Test 3 Score	P3: = Part 3 Score	T3 _{final} := Higher of T3 and P3
T4 := Test 4 Score	P4: = Part 4 Score	T4 _{final} := Higher of T4 and P4

Make-Up Tests: A make-up test will be given only when an uncontrollable circumstance such as an injury, illness, family emergency, or the like occurs.

Final Grade = $[(T1_{\text{final}} + T2_{\text{final}} + T3_{\text{final}} + T4_{\text{final}})/4]$

Grade	Score Range
A	90-100
B	80-89.99
C	70-79.99
D	60-69.99
F	0-59.99