Differential Equations
MTH 335-101 || CRN: 2876 || Fall 2024

Instructor:	Dr. Tom Cuchta
Time:	12:00 PM–12:50 PM MWF
Location:	Smith Hall 516/Smith Hall 516/online
E-mail:	cuchta@marshall.edu
Office:	Smith Hall 614 (walk into room, turn left – my office is inside!)
Open office hours:	See my website http://tomcuchta.com. They may change throughout the semester without notice. Alternate office hours may always be scheduled via e-mail.
Class webpage:	https://tomcuchta.com/teach/classes/2024/MTH335-Fall2024-Marshall/
Textbook:	provided set of notes in Blackboard
Course Description:	A study of differential equations, their solutions, and applications to physical systems, emphasizing closed-form solving methods. Laplace transforms, orthogonal functions, approximation and numerical methods with applications.
Prerequisites:	MTH 230 with a minimum grade of C
In-class work:	Often, in most classes, some problems will be given and collected for a grade. Online students must submit theirs by within 30 minutes of the end of a class period.
Online Homework:	Online homework will be administered through https://webwork.marshall.edu/webwork2
Quizzes:	Quizzes will be given randomly in class and will be unannounced in advance. 20% of the lowest-scored quizzes will be dropped.
Exams:	There will be three one-hour exams in this course.
Final exam:	There will be a cumulative final exam in this course.
Make-up exam policy:	If an exam is to be missed due to an excused absence (defined as in this page), then it is the ***student's responsibility*** to arrange an alternative time to take the exam at least one week before the exam is given. If the student misses an exam due to an unexcused absence, the exam may be replaced with the percentage earned on the final exam. The unexcused absence policy applies ***only once***.
University policies:	Various university policies such as Academic Dishonesty, Academic Dismissal, Academic Forgiveness, Academic Probation & Suspension, Affirmative Action, Pre-Finals Week, D/F Repeat Rule, Excused Absence, Inclement Weather, Sexual Harassment, Students with Disabilities, and University Computing Services Acceptable Use can be found at the Marshall University academic affairs webpage here: `https://www.marshall.edu/academic-affairs/policies/`

Grading policy:

WeBWork Homework	25%
In-class work	5%
Quizzes	15%
Hour exams	30%
Final exam	25%

Grade	Percentage Range
A	$90\% \leq$ **Points Earned** $\leq 100\%$
B	$80 \leq$ **Points Earned** < 90
C	$70 \leq$ **Points Earned** < 80
D	$60 \leq$ **Points Earned** < 70
F	$0 \leq$ **Points Earned** < 60

Campus Carry Policy University Policy, UPGA-12 (Campus Carry Policy) derives its authority from West Virginia State law, including the Campus Self-defense Act (WV Code §18B-4-5b). It pertains to the exercise of concealed carry on Marshall University's campus, except in designated areas, by individuals with a valid permit to conceal carry.

Individuals who choose to conceal carry are responsible for knowing and understanding all applicable federal, state, and local laws and Marshall University Board of Governors Rules, university policies, and administrative procedures. University Policy, UPGA-12 applies to areas of campus and buildings that are directly under the possession or control of Marshall University.

Concealed handguns are not observable to others and must be holstered and concealed on the body of the permit holder or in a personal carrier, such as a backpack, purse, or other bag that remains under the exclusive and uninterrupted control of the permit holder. This includes wearing the personal carrier with a strap, carrying or holding the personal carrier, or setting the personal carrier next to or within your immediate reach at all times. If your participation in class activities impedes your ability to maintain constant control of your handgun, please make alternate arrangements prior to coming to class.

Differential Equations Schedule Fall 2024

Week #	Dates	Sections
1	19 Aug – 23 Aug	1.1, 1.2
2	26 Aug – 30 Aug	1.3, 1.4, 1.5
3	2 Sep – 6 Sep	***NO CLASS - Labor day***: 2 September 1.6, 2.1
4	9 Sep – 13 Sep	2.2 *Review day*: 11 September ***EXAM 1***: 13 September
5	16 Sep – 20 Sep	2.3, 2.4
6	23 Sep – 27 Sep	2.5, 2.6
7	30 Sep – 4 Oct	3.1
8	7 Oct – 11 Oct	3.2 ***NO CLASS - October break***: *10-11 October*
9	14 Oct – 18 Oct	3.2, 3.3 *Review day*: 16 October ***EXAM 2***: 18 October
10	21 Oct – 25 Oct	3.4, 3.5
11	28 Oct – 1 Nov	3.6, 4.1
12	4 Nov – 8 Nov	4.2
13	11 Nov – 15 Nov	4.3 *Review day*: 13 November ***EXAM 3***: 15 November
14	18 Nov – 22 Nov	4.4, 5.1, 5.2
15	25 Nov – 29 Nov	***THANKSGIVING BREAK***
16	2 Dec – 6 Dec	other material *Review day*: 6 December
17	9 Dec – 13 Dec	***FINAL EXAMS***