

MEMORANDUM FOR STUDENTS ENROLLED IN CENG 4350/5334

SUBJECT: Administrative Instructions – Fall 2021

Course Specific Policies

1. CENG 4350/5334 Storm water pollution control:
The CENG 5334 students need to accomplish the graduate level work component. Choosing a research topic, writing a research paper and then presenting the material to the class.
Class Room: C204/ ZOOM
2. Instructor: Dr. Zafer Miqdadi
Email: zmiqdadi@uttyler.edu.
3. Course website: UT Tyler's Canvas website.
4. **This is a Hybrid/Blended Course. Due to my personal illness the class will be mainly synchronous (real-time) face-to-face via ZOOM. However, you might be required to present in person on campus, so please be prepared for such thing if happens.**
5. You are welcome to seek additional instruction. **I have set aside virtual office hours via ZOOM posted on Canvas.**

Welcome to CENG 5334, **Storm Water Pollution Control**. During the upcoming semester you will find our study of Storm Water to be interesting, challenging, and rewarding. The objective of this course is to provide the student with a solid understanding of storm water pollution control for facilities that are covered under the General of Multi-sector General (GMG) permit for storm water discharges, facilities covered under a Municipal Separate Storm Water Sewer System (MS4), and construction erosion control.

6. **My course schedule is from 2:30 pm to 3:25 pm on Monday, Wednesday, and Friday (self-study) in room C203 (ZOOM).** If you miss a scheduled class, you are still responsible for the material.
7. You are welcome to seek additional instruction. I have set aside Office Hours. Please see the schedule posted at my office door. Also, you may communicate with me via Canvas and email.
8. Class Room Procedures:
 - a. I will take random attendance. **If you miss more than 50% of the lessons, you will be asked to withdraw from the class.** Participation will be taken based on student's professional activities on Zoom and Canvas.
 - b. It is a basic principle of professionalism that **"Professionals are not Late."** Please come to class on time and leave on time. Interruption of lecture is not acceptable.
 - c. Bring study notes, textbook, note-taking material, straight edge and calculator TO EVERY CLASS. You may not borrow or exchange calculators during graded events. If your calculator fails during a graded exercise, I am not responsible to furnish a substitute. Class preparation is your individual responsibility. Please refer to the Calculator Policy.

- d. Textbook:
Dodson, Roy D. Storm Water Pollution Control. Second Edition, McGraw Hill (1999). ISBN 0-07-017388-5.
There will be handout materials for this course as well.
- e. Read the chapter assignments before the lecture so that you will be prepared for class discussions. I may have announced and unannounced quizzes over the text assignments if it appears that students are not reading the assigned text materials.
- f. **ACADEMIC DISHONESTY:** Representation of other's work as your own will not be tolerated. Cheating on examinations, quizzes, and homework and the false representation of work will be interpreted as academic dishonesty. Academic dishonesty will be subject to disciplinary action as outlined by the UT Tyler Student Guide on Conduct and Discipline. Please refer to the University of Texas at Tyler current Undergraduate Catalog for academic policies and Manual of Policies and Procedures for Student Affairs (MOPPS, Chapter 8) regarding academic integrity, cheating and plagiarism. Academic dishonesty will not be tolerated. Ignorance of the rules and policies will provide no protection from the consequences.

9. Exams and Grading:

- a. Grade Breakout and Cutoffs:

Course Points

Mid-term Exams (2 at 150 each)	300 (30%)
Homework	300 (30%)
Professional Practice	100 (10%)
Final exam	300 (30%)
Course Total	1000 (100%)

The CENG 5334 students need to accomplish the graduate level work component. Choosing a research topic, writing a research paper and then presenting the material to the class.

Letter grades will be assigned based on the final course grade:

- A 90 and above
- B 80 to 89.99
- C 70 to 79.99
- D 60 to 69.99
- F below 60

- b. If you earn a cumulative average of less than 60% on all exams, or if you fail to earn at least 60% on the final exam you may fail the course, **regardless of your course grade**. The distribution shown above is to graphically remind you of how well you are doing.
- c. Hour Exams and Final Exam:
- 1) The dates for Hour Exams are included in the course schedule. Official reasons for missing an exam include official University participation, family emergency, or other unforeseen circumstance. See policies for Student Absence in this syllabus, Section 11 and Section 12 below. Regardless of the reason you are required to notify the instructor prior to the exam and as early as feasible. You are required to take a make-up Exam, regardless of your reason for missing the scheduled Exam. Report any conflict to me as soon as possible prior to the Exam.
 - 2) All the Exams and the Final are closed book and notes. You are encouraged to use an **NCEES approved calculator. All test questions will be formatted in order to use the same calculator that you MUST use for the FE exam.** Non-approved NCEES calculators may be used for the exams. You will also be allowed the reference sheet supplied by the instructor for each examination.
 - (1) If you are unsure about your calculator, it is your responsibility to check with the instructor for approval.
 - (2) It is recommended that additional batteries be carried with you during exams.

Calculator Policy

Only NCEES approved calculators will be permitted during tests and your test will be collected and your grade will be a zero if you are using a non-approved calculator.

The approved calculators include the following: (Please check the NCEES website for a complete listing, www.ncees.org/exams/calculator-policy/)

- Hewlett Packard – HP 33s, HP 35s, and no others
 - Casio – All FX 115 models
 - Texas Instruments – All TI 30X or TI-36X models.
 - If you are unsure about your calculator, it is your responsibility to check with the instructor for approval.
- 3) Register on Canvas because solutions to exams will be posted on Canvas. Other class resources as needed will also be posted to Canvas.
- d. The use of any electronic device (laptop/PDA/Cell Phone/MP3 player/or similar device), during class and exam is prohibited. Your exam will be collected and your grade will be a zero if you are caught using a non-approved electronic device/calculators. The use of phones and MP3 players is not permitted during lectures. The second occurrence of phone use, for any reason, may result in the forfeiture of the device. If you plan to record the lectures for your personal use please notify me.
- e. Collection of Student Work: Throughout the semester I will collect student work (best, average, and worst) for the ABET course or program outcomes notebooks. This will require me to make a copy of your work, keep your original, and return a copy of the graded work to you. I will not draw attention as to what level of work you accomplished.

f. Embedded indicators of accomplishment of program outcomes: At times throughout the semester, portions of student work will be analyzed to determine if our program is accomplishing stated program outcomes based on established metrics. **If your work is below the minimum established metric, you may be required to repeat the assignment or that portion of the assignment until you achieve the minimum acceptable standard based on the metric.**

10. Homework: Homework problems will be assigned on a weekly to semi-weekly basis. Students may *discuss* their homework solutions with one another, but each student must submit their own, **independent** solutions (i.e. you may not just copy someone else's homework). If you receive assistance from a fellow student on a particular problem you must cite that assistance within your solution. The homework due date is marked on the attached schedule sheet. Homework is due *before* class starts. Assignments turned in after class starts will be considered late. Homework turned in late, but within one day of the due date, will receive a 25 percent reduction; homework turned in within two days of the due date will receive a 50 percent reduction; homework turned in within three days of the due date will receive a 75 percent reduction. *No credit will be given for homework turned in more than three days late* or after the solution has been published on the course Blackboard.

HOMEWORK FORMAT: The production of a neat, organized, high-quality homework assignment cannot be overestimated nor can its importance to your course grade be overstated. A homework assignment should be something you are proud of and not something hastily “slapped together”. Toward this end, considerable emphasis will be placed on not only getting the correct answer but also on how the solution is presented.

All homework is mandatory and becomes part of your grade. As an engineer your goal is to make a clear, logical, and professional presentation of your work. As such both your presentation and the accuracy of your work is important, and both will be graded. It is critical that you show all of your work and leave “footprints” so that it can be easily followed. No guess work should be required to see what you did. All submissions are due at the beginning of class on the due date. Submissions should be placed in the CENG 4371 box in RBS 1003 or handed in to the instructor prior to the start of class.

a. Homework - Problem Sets (PS)

- 1) **Use Engineer paper only** with solutions placed in the logical flow of the problem printed on engineering paper; one side only. Clearly present **a brief problem statement or a sketch** with your solution. Clearly and concisely explain each step. For narratives of more than a line or two, use your word processor or the text capability if you are using MathCAD or Excel. If you are writing out a paragraph or more, you must type it in a word processing package.

- 2) Late Submissions. It is a basic principle of professionalism that “**Professionals are not Late**”.

Obviously, there are circumstances that will occur and make a timely submission impossible and I will work with you if and when those circumstances legitimately occur.

- 3) All homework in this course must be properly documented. As you are having your work reviewed it is likely that you might receive help from your classmates, just simply document it. Information from the course textbooks (equations and outlines of procedures), class notes, or me are considered immediately available to all students and need not be acknowledged or documented. **YOU ARE REQUIRED TO ACKNOWLEDGE AND DOCUMENT ALL OTHER ASSISTANCE AND REFERENCES USED.** Documentation will be accomplished in accordance with any manual for writing, footnote or endnote, for papers, but for written homework, just place the documentation right at the point you received help describing who and what assistance.

- b. Assigned readings. Doing the assigned reading prior to class will help you to understand the material presented during the instruction and will fill in gaps for things we do not cover (***I will not cover everything***). It will also make you more familiar with terms and concepts to be covered. To help motivate you to do the reading there may be unannounced quizzes that cover the assigned sections of the text.

11. Students Rights and Responsibilities. To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link:
<http://www.uttyler.edu/wellness/StudentRightsandResponsibilities.html>

12. Grade Replacement/Forgiveness. If you are repeating this course for a grade replacement, you must file an intent to receive grade forgiveness with the registrar by the 12th day of class. Failure to do so will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates will receive grade forgiveness (grade replacement) for only three course repeats; graduates, for two course repeats during his/her career at UT Tyler.

13. State-Mandated Course Drop Policy. Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university. For purposes of this rule, a dropped course is any course that is dropped after the 12th day of class (See Schedule of Classes for the specific date). Exceptions to the 6-drop rule include, but are not limited to, the following: totally withdrawing from the university; being administratively dropped from a course; dropping a course for a personal emergency; dropping a course for documented change of work schedule; or dropping a course for active duty service with the U.S. armed forces or Texas National Guard. Petitions for exemptions must be submitted to the Registrar's Office and must be accompanied by documentation of the extenuating circumstance. Please contact the Registrar's Office if you have any questions.

- 14.** Disability Services. In accordance with federal law, a student requesting accommodation must provide documentation of his/her disability to the Disability Support Services counselor. If you have a disability, including a learning disability, for which you request an accommodation, please contact Ida MacDonald in the Disability Support Services office in UC 282, or call (903) 566-7079. Additional information may also be obtained at the following UT Tyler Web address: <http://www.uttyler.edu/disabilityservices>
- 15.** Student Absence due to Religious Observance. Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second class meeting of the semester.
- 16.** Student Absence for University-Sponsored Events and Activities. If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.
- 17.** Social Security and FERPA Statement. It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.
- 18.** Emergency Exits and Evacuation. Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first week of class. Do Not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.

UT Tyler Honor Code

Every member of the UT Tyler community joins together to embrace: Honor and integrity that will not allow me to lie, cheat, or steal, nor to accept the actions of those who do.

Students Rights and Responsibilities

To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link: <http://www.uttyler.edu/wellness/rightsresponsibilities.php>

Campus Carry

We respect the right and privacy of students 21 and over who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at <http://www.uttyler.edu/about/campus-carry/index.php>

UT Tyler a Tobacco-Free University

All forms of tobacco will not be permitted on the UT Tyler main campus, branch campuses, and any property owned by UT Tyler. This applies to all members of the University community, including students, faculty, staff, University affiliates, contractors, and visitors. Forms of tobacco not permitted include cigarettes, cigars, pipes, waterpipes (hookah), bidis, kreteks, electronic cigarettes, smokeless tobacco, snuff, chewing tobacco, and all other tobacco products. There are several cessation programs

available to students looking to quit smoking, including counseling, quitlines, and group support. For more information on cessation programs please visit www.uttyler.edu/tobacco-free.

Important Covid-19 Information for Classrooms and Laboratories

Students are *strongly encouraged* to wear face masks covering their nose and mouth in public settings (including classrooms and laboratories). The UT Tyler community of Patriots views adoption of these practices consistent with its [Honor Code \(Links to an external site.\)](#) and a sign of good citizenship and respectful care of fellow classmates, faculty, and staff. Students who are feeling ill or experiencing symptoms such as sneezing, coughing, or a higher than normal temperature should stay at home and notify their faculty. Students needing additional accommodations may contact the Office of Student Accessibility and Resources at University Center 3150, or call (903) 566-7079 or email saroffice@uttyler.edu.

Recording of Class Sessions

Class sessions may be recorded by the instructor for use by students enrolled in this course. Recordings that contain personally identifiable information or other information subject to FERPA shall not be shared with individuals not enrolled in this course unless appropriate consent is obtained from all relevant students. Class recordings are reserved only for the use of students enrolled in the course and only for educational purposes. Course recordings should not be shared outside of the course in any form without express permission.

Laptops/PDAs/MP3 players/Cell Phones or other electronic devices

- The use of any electronic device, except an approved calculator, is not permitted during exams. Your exam will be collected and your grade will be a zero if you are caught using a non-approved electronic device/calculators. Any instances of a calculator inappropriately used during an exam will be the basis of alleging Academic Misconduct and may result in Failing (F) of the course at the determination of the course's instructor or the basis for a recommendation for expulsion from the University. Any Calculator used during an exam in this course must meet the requirements stated within the policy below.
- **Calculator Policy**
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The approved calculators include the following: (Please check the NCEES website for a complete listing, www.ncees.org/exams/calculator-policy/. Examples include but are not limited to:

- Hewlett Packard – HP 33s, HP 35s, and no others
- Casio – All FX 115 models
- Texas Instruments – All TI 30X or TI-36X models.
- If you are unsure about your calculator, it is your responsibility to check with the instructor for approval.

At the discretion of the course instructor, any calculator not meeting the requirements stated (especially in the case of a graphing calculator) may be used but only after an inspection of the device and a clearing of all the memory within the device, performed for the instructor at a time immediately prior to the exam. At any time during the exam your calculator is subject to a random search by the instructor. Failure or refusal to clear all memory or to surrender your calculator to search will disqualify you from the exam immediately, unless you can produce a calculator meeting the requirements as stated above.

COURSE OUTLINE and SCHEDULE

Topics Covered

<u>SUBJECTS</u>	<u>LESSONS</u>
Course Introduction/ EPA storm water regulations	1
Storm Water Enforcement/ Regulated storm water discharges	1
Municipal storm water permits	2
Industrial storm water permits and prevention	3
Construction storm water permits and prevention	3
Intro to Municipal Storm Water and urban Hydrology	2
<u>Exams (includes final)</u>	<u>3</u>
Total Lessons	15

CENG 5334 COURSE SCHEDULE – SUBJECT TO REVISION

Lesson	Date	Topic	Text	HW Assigned	HW Due
1	8/23	Syllabus/ Course Introduction			
2	8/25	Intro to Municipal Storm Water Urban Hydrology	Handout		
3	8/27	Self-study (asynchronous)	Handout		
4	8/30	EPA Storm Water Regulations	Ch1 & Appendix B	HW1	
5	9/1	EPA Storm Water Regulations	Ch1 & Appendix B		
6	9/3 Census Day	EPA Storm Water Regulations	Ch1 & Appendix B		
7	9/6	Labor Day holiday			
8	9/8	Storm Water Enforcement & Compliance	Ch 2	HW2	
9	9/10	Storm Water Enforcement & Compliance	Ch 2		HW1
10	9/13	Regulated Storm Water Discharges	Ch 3	HW3	
11	9/15	Regulated Storm Water Discharges	Ch 3		
12	9/17	Regulated Storm Water Discharges	Ch 3		HW2
13	9/20	Municipal Storm Water Permit Requirements	Ch 4	HW4	
14	9/22	Municipal Storm Water Permit Requirements	Ch 4		
15	9/24	Municipal Storm Water Permit Requirements	Ch 4		HW3
16	9/27	Storm Water Associated with Industrial Activity	Ch 5	HW5	
17	9/29	Storm Water Associated with Industrial Activity	Ch 5		
18	10/1	Storm Water Associated with Industrial Activity	Ch 5		HW4
19	10/4	Mid-term Exam 1			
20	10/6	Industrial Storm Water Discharge Permit Applications	Ch 6	HW6	

21	10/8	Industrial Storm Water Discharge Permit Applications	Ch 6		HW5
22	10/11	Elements of Industrial Storm Water Pollution Prevention Plans	Ch 7	HW7	
23	10/13	Elements of Industrial Storm Water Pollution Prevention Plans	Ch 7		
24	10/15	Elements of Industrial Storm Water Pollution Prevention Plans	Ch 7		HW6
25	10/18	Construction Storm Water Permitting	Ch 10	HW8	
26	10/20	Construction Storm Water Permitting	Ch 10		
27	10/22	Construction Storm Water Permitting	Ch 10		HW7
28	10/25	NPDES Construction Permit Storm Water Pollution Prevention Plan	Ch 11	HW9	
29	10/27	NPDES Construction Permit Storm Water Pollution Prevention Plan	Ch 11		
30	10/29	NPDES Construction Permit Storm Water Pollution Prevention Plan	Ch 11		HW8
31	11/1	Mid-term Exam 1			
32	11/3	Stabilization Practices of Construction Erosion Control	Ch 12	HW9	
33	11/5	Stabilization Practices of Construction Erosion Control	Ch 12		
34	11/8	Structural Practices for Construction Sediment Control	Ch 13		
35	11/10	Structural Practices for Construction Sediment Control	Ch 13		
36	11/12	Structural Practices for Construction Sediment Control	Ch 13		HW9
37	11/15	Other storm water pollution prevention measure	Ch 14		
38	11/17	Other storm water pollution prevention measure	Ch 14		
39	11/29	Other storm water pollution prevention measure	Ch 14		
40	11/22-11/27	Thanksgiving Holiday			
41	11/29	Other topics			
42	12/1	Other topics			
43	12/3	Other topics			
44	12/6-12/11	Final exams			

Course Objectives

- 1) Define/Explain storm water regulations.
- 2) Explain public policy procedures for storm water controls under the CWA.
- 3) Describe EPA and State enforcement and compliance authority.
- 4) Describe municipal/industrial/construction storm water permits requirements.
- 5) Explain/describe/analyze municipal storm water control considerations.
- 6) Explain/describe/analyze industrial storm water control considerations.
- 7) Explain/describe/analyze construction storm water control and erosion control considerations.