



Course CS 4398.001, Digital Forensics
Professor Richard Goodrum
Term Fall 2016
Meetings F 1:00-3:45 P.M., ECSS 2.312

Professor's Contact Information

Office Phone	972-883-8830
Other Phone	972-883-2185 (CS Department Phone Number)
Office Location	ECSS 4.604
Email Address	Richard.Goodrum@UTDallas.edu
Office Hours	Friday 4:00-5:00 P.M. or email for appointment
Teaching Assistant	Sruthi Chappidi, src105920@utdallas.edu ECSS 2.103B1, MW 2 :00-4 :00
Other Information	The best way to communicate (other than during the office hours) is through UTD email. Use email to set up appointments outside the office hours.

General Course Information

Pre-requisites, Co-requisites, & other restrictions	(CE 4348 or CS 4348 or SE 4348 or TE 4348) and (CE 4390 or CS 4390 or TE 4390) or equivalent.
Course Description	This course introduces the concepts of creating and preserving digital evidence, data recovery and evidence collection algorithms, evidence construction and reconstruction, methods for certifying evidence, storing evidence, data acquisition, forensic analysis algorithms, image files, network forensics, logging methods to trace back attacks and digital trails, e-mail investigations.
Learning Outcomes	After successful completion of this course, the student should be able to demonstrate: 1. Ability to identify audience. 2. Ability to determine the information needs of audiences. 3. Ability to assess the accuracy, reliability and relevance of information. 4. Ability to evaluate how to best present information to meet the need of an audience. 5. Ability to create tools to inform an audience. 6. Ability to function on multidisciplinary teams.
Required Texts & Materials	Guide to Computer Forensics and Investigations, Fifth Edition By Bill Nelson, Amelia Phillips, and Christopher Steuart Publisher: CENGAGE Learning ISBN-13: 978-1-285-06003-3 ISBN-10: 1-285-06003-2

Assignments¹ & Academic Calendar

Class	Dates	Reading Assignment	Homework Due	Lab Due	Quiz or Exam
1	26 Aug	Chapter 1			
2	02 Sep	Chapter 2	1		
3	09 Sep	Chapter 3		1	Quiz 1
4	16 Sep	Chapter 4	2		
5	23 Sep	Chapter 5			
6	30 Sep	Chapter 6		2	Quiz 2
7	07 Oct	Chapter 7	3		
8	14 Oct	Chapter 8,9			
9	21 Oct	Chapter 10		3	Quiz 3
10	28 Oct	Chapter 11, 12	4		
11	04 Nov	Chapter 13, 14			
12	11 Nov	Chapter 15		4	Quiz 4
13	18 Nov	Chapter 16	5		
Holiday	25 Nov				
14	02 Dec	Review		5	
15	09 Dec				Final

Important Dates and Times	First day of class: Friday, 26 Aug, 2016 Quizzes: 2:30-3:45 P.M. Final Exam: 9 Dec 2016 – 2:00-4:45 P.M. in ECSS 2.312
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¹ Assignments and due dates subject to change.

Course Policies

Grading Criteria	Final Exam: 20%, Homework: 10%, Labs: 30%, Participation: 10%, Quizzes: 30%
Make-up Exams	Make-up examinations will be offered only if the student has a valid medical reason and produces a doctor's letter.
Extra Credit	No extra credit work will be assigned.
Late Work	Assignments submitted after the due date will be penalized at the rate of 10% of the total value for that assignment for every day (or part thereof) by which it is late. After four days late, assignments will receive a grade of zero.
Class Attendance	Voluntary. However, regular attendance is recommended (see participation). By departmental policy, three absences in a row will result in a full letter grade reduction in the final grade. Four absences in a row will result in failing the class. A student absent five or more classes will not be eligible for an incomplete grade. In such instances the student is advised to drop the course.
Participation	Participation is an in-class activity. Absence, regardless of reason, may lower the participation component of the grade.
Classroom Citizenship	The students are encouraged to take active part in class discussions. No question is too simple/stupid to be asked. So, do not hesitate.
Instructor Expectations	Students will: <ul style="list-style-type: none">a. Be on time to lectures.b. Be attentive to lectures.c. Be respectful of other's need to avoid distractions.d. Perform work independently unless directed to participate in a group activity.e. Avoid the use of any premade works of answers (the use of which constitutes cheating).f. Type all work done outside the class (i.e., handwritten and hand drawn work will be rejected).
UT Dallas Syllabus Policies and Procedures	<i>The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus.</i> <i>Please go to http://go.utdallas.edu/syllabus-policies for these policies.</i>

The syllabus is subject to change at the discretion of the Professor.