COMPUTER FORENSICS
BMGT. 1391. 62430
Spring Semester – 2016 (Winter Session 2015-16)
December 21, 2015 to January 29, 2016

Professor: Michael Joseph Tydlaska
Email: mtydlaska@dcccd.edu
Office Phone Number: 214.860.8590
Office Number: W-222
Office Hours: Monday 1:00 PM to 3:00 PM
              Tuesday 1:00 PM to 3:00 PM
Meeting Days & Time: Online
Room Number: No Room – Online Course
Credit Hours: 3 Semester Credit Hours

Division: Business, Computers, Mathematics and Technical Programs
Office Hours: 8:00 AM CST to 5:30 PM CST (Monday, Tuesday, Wednesday and Thursday)
              8:00 AM CST to 4:00 PM CST (Friday)
Office Phone: 214.860.8848
Office Location: W-210

Course Description: Provides an overview of Computer Forensics Fundamentals. During the course we will present methods to properly conduct a computer forensics investigation, beginning with a discussion of ethics, how to forensically acquire data, analyze it, document it, and pull it all together with discussing how to prepare to be an expert witness to testify in court on your forensics findings and ethical issues associated with investigations.

Course Pre-requisites: None

Course Materials/Supplies Needed
“A Practical Guide to Computer Investigations”
Edition: First
Authors: Hayes, Darren
Publisher: Pearson Higher Education
ISBN: 978-0-7897-4115-8

Student Learning Outcomes
1. Identify relevant electronic evidence associate with various violates of specific laws, including, but not limited to computer crimes.
2. Located and recover relevant electronic evidence from Windows systems using a variety of tools.
3. Identify and articulate probable cause as necessary to obtain a warrant to search for electronic artifacts and recognize the limits of warrants.
4. Recognize and maintain a chain of custody of electronic evidence.
5. Develop an understanding for computer forensics analysis and validation
6. Recovering graphic files
7. Develop and understanding of network forensics
8. Develop an understanding of E-mail investigations
9. Develop an understanding of mobile forensics
10. Report writing for High-Tech investigations
11. Ethics for Expert Witness

BMGT 1391 Computer Forensics is an approved business related course for those who plan to sit for the uniform CPA exam in the State of Texas. The course is documented with the Texas State Board of Public Accountancy. The course falls under the Information Systems or Technology discipline.

The course may be offered in various formats such as 5 weeks, 8 weeks, 10 weeks, however, the course content will remain the same and will not be shortened due to the various durations of the course.

**Evaluation Procedures:**
12 Chapter Homework Assignments = 60%
Comprehensive Final Exam at 40%

**Chapter Homework Assignments:**
There are 12 Chapter Homework Assignments. Each chapter is weighted equally at 5% each for a total of 60%. The assignments are individual assignments. The answers to the assignments will be released after the due date. Late assignments are not accepted.

**Comprehensive Final Exam:**
The comprehensive final exam is mandatory and not optional. The final exam will be comprehensive and cover all the chapters. The final exam will consist of multiple-choice questions and true/false questions. Textbooks and notes are not permitted on the final exam. There is not a make-up comprehensive final exam. The comprehensive final exam must be completed at Mountain View College Testing Center. The dates of the final exam are January 27, 2016 and January 28, 2016. The final exam can be completed on these two dates.

**Grading Scale:**
There is not a curve or grading adjustment in the course. There is NO rounding of grades.

- 90% to 100% = A
- 80% to 89.9999% = B
- 70% to 79.99999% = C
- 60% to 69.99999% = D
- 59.99999% and below = F
Do not ask for grades and do not state you need a certain grade or need to pass the course for any reason. Those reasons are not valid. There is not any extra credit assignments therefore do not ask for extra credit work.

Late Work Policy: Late work is not accepted. You will receive an automatic ‘0’ for not submitting any work by the due date. Completing the homework does not guarantee you a 100% on the assignments. The assignments are graded for accuracy.

Makeup Exam Policy: There are no make-up quizzes. There is no make-up homework. If you miss a homework assignment the grade is automatically a ‘0’.

College Sponsored Events: If you are in any College sponsored events in which the quizzes and final exam conflicts with activities such as a baseball game, a basketball game or some other college sponsored event you must inform me the first week of class. These are dates that are the same dates for the quizzes and comprehensive final exam. College sponsored events do not change or extend any dates for homework. I will need verification.

Electronic Devices: It is your responsibility to have access to the Internet. The college does not purchase Internet access for you to complete your work off campus. It is best to have a high speed Internet such as DSL, Cable or Fiber Optics. A dial up Internet connection will not be sufficient for the course.

Certification Procedures: To be certified for the course you are required to complete the ‘Certification Quiz’ and obtain a 100%. There are unlimited attempts for you to achieve 100%. The deadline to complete the ‘Certification Quiz’ is December 23, 2015 by 6:00 pm CST. If you do not complete the Certification Quiz by December 23, 2015 before 6:00 PM CST with a 100% you will not be certified for the course. The official census date for 2016SP-BMGT-1391-62430 is December 24, 2015 however you must complete the certification quiz by December 23, 2015 no later than 6:00 PM CST due to the holidays.

The withdraw date for this class is January 20, 2016. You must withdraw from the course are your discretion. I cannot withdraw a student from a course.

Instructor Attendance Policy:
There is not an attendance policy for the course. The course is an online course. It is recommended that you sign online each day to the course on blackboard at eCampus.dccc.edu. It is imperative that you check the announcements page each time you sign on. The due dates for all assignments will be posted in blackboard. Blackboard is the Learning Management Systems for Mountain View College. The Uniform Resource Locator for Blackboard is eCampus.dccc.edu.

Academic Dishonesty:
Students that caught plagiarizing an assignment will be subject to an “F” in the course and possible expulsion from the college.

Academic honesty is expected, and integrity is valued in the Dallas County Community Colleges. Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion. As a college student, you are considered a responsible adult. Your enrollment indicates acceptance of the DCCCD Code of Student Conduct.
Conduct published in the DCCCD Catalog. More information is available at https://www1.dcccd.edu/catalog/ss/code.cfm.

**Institution Policies:** Please visit [http://www.mountainviewcollege.edu/](http://www.mountainviewcollege.edu/). For a complete list of institutional policies (Stop Before You Drop; Withdrawal Policy; Repeating a Course; Financial Aid; Academic Honesty; Americans with Disabilities Act Statement; Religious Holidays; and Campus Emergency Operation Plan and Contingency Plan.).

<table>
<thead>
<tr>
<th>Dates</th>
<th>Topic (Chapter) and Due Dates for Blackboard Chapter Homework Assignments</th>
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<tbody>
<tr>
<td>December 21, 2015</td>
<td>Introduction</td>
</tr>
<tr>
<td>December 21 to December 22</td>
<td>Chapter 1: The Scope of Computer Forensics - Due December 22, 2015</td>
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<tr>
<td>December 23 to December 24</td>
<td>Chapter 2: Windows Operating and File Systems - Due December 24, 2015</td>
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<tr>
<td>December 23, 2015</td>
<td>Must complete Certification Quiz by 6:00 PM CST</td>
</tr>
<tr>
<td>December 25, 2015 to January 1, 2016</td>
<td>Holidays - No Homework Assigned</td>
</tr>
<tr>
<td>January 2 to January 4</td>
<td>Chapter 3: Handling Computer Hardware - Due January 4, 2016</td>
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<tr>
<td>January 5 to January 7</td>
<td>Chapter 4: Acquiring Evidence in a Computer Forensics Lab - Due January 7, 2016</td>
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<tr>
<td>January 8 to January 10</td>
<td>Chapter 5: Online Investigations - Due January 10, 2016</td>
</tr>
<tr>
<td>January 11 to January 12</td>
<td>Chapter 6: Documenting the Investigation - Due January 12, 2016</td>
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<tr>
<td>January 13 to January 14</td>
<td>Chapter 7: Admissibility of Digital Evidence - Due January 14, 2016</td>
</tr>
<tr>
<td>January 15 to January 16</td>
<td>Chapter 8: Network Forensics - Due January 16, 2016</td>
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<tr>
<td>January 17 to January 18</td>
<td>Chapter 9: Mobile Forensics - Due January 18, 2016</td>
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<tr>
<td>Date Range</td>
<td>Event</td>
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<tr>
<td>January 19 to January 20</td>
<td>Chapter 10: Photographic Forensics - Due January 20, 2016</td>
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<td><strong>January 20, 2016</strong></td>
<td>Last Day to Drop Course with a ‘W’</td>
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<tr>
<td>January 21 to January 22</td>
<td>Chapter 11: Mac Forensics - Due January 22, 2016</td>
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<tr>
<td>January 23 to January 24</td>
<td>Chapter 12: Case Studies - Due January 24, 2016</td>
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<tr>
<td><strong>January 25, 2016 and January 26, 2016</strong></td>
<td>Study Days for Comprehensive Final Examination</td>
</tr>
<tr>
<td><strong>January 27, 2016 and January 28, 2016</strong></td>
<td>Comprehensive Final Examination - Chapters 1 through Chapter 12 at Mountain View College Testing Center</td>
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### Stop Before You Drop

**6 Drop**

For students who enrolled in college level courses for the first time in the Fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career, unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions.

Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W.” Therefore, please exercise caution when dropping courses in any Texas Public Institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access: https://econnect.dcccd.edu/eConnect/droppingfacts.html

### Withdraw Policy

If you are unable to complete this course, it is your responsibility to withdraw formally. The withdrawal request must be received in the Registrar’s Office by the official drop date for this course (see Course Drop Date mentioned earlier in this syllabus). Failure to do so will result in your receiving a performance grade, usually an “F.” If you drop a class or withdraw from the college before the official drop/withdrawal deadline, you will receive a “W” (Withdraw) in each class dropped.

### Repeating a Course

Effective for Fall Semester 2005, the Dallas County Community Colleges will charge additional tuition to students registering the third or subsequent time for a course. This class may not be repeated for the third or subsequent time without paying the additional tuition.

Third attempts include courses taken at any of the Dallas County Community Colleges since the Fall 2002 semester. More information is available at: http://www.dcccd.edu/pc/cost/3rdcrseattmpt/Pages/default.aspx

### Financial Aid

Financial Aid **will not** be granted to students who have been certified as not attending by the certification date. In lecture classes, students must attend class prior to the certification date. Online students should follow the certification procedures as noted within the class syllabus. For certification dates, check with the division or FAO for further information. Students, who are not certified as beginning class, are responsible for any payments due as a result of non-certification, to include the dropping of courses. Students who are receiving any form of financial aid should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. Students who fail to attend or participate after the drop date are also subject to this policy.

If you are receiving financial aid grants or loans, you must begin attendance in all classes. Do not drop or stop attending any class without consulting the Financial Aid Office. Changes in your enrollment level and failing grades may require that you repay financial aid funds.

### Academic Dishonesty

### ADA Statement

Mountain View College and the Office of Special Services are committed to upholding the laws and the spirit of Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) signed in 1990.

### Religious Holidays

Absences for observance of a religious holy day are excused. A student whose absence is excused to observe a religious holy day is allowed to take a make-up examination or complete an assignment within a reasonable time after the absence.
<table>
<thead>
<tr>
<th>Campus Emergency Operation Plan and Contingency Plan.</th>
<th>Mountain View College has developed policies and procedures for dealing with emergencies that may occur on campus. A synopsis of emergency procedures can be found at: <a href="http://www.mountainviewcollege.edu/business/police/Pages/emergencyprocedureenglish.aspx">http://www.mountainviewcollege.edu/business/police/Pages/emergencyprocedureenglish.aspx</a>.</th>
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<td><strong>Contingency Plan</strong>: Mountain View College has developed an Instructional Contingency Plan for Temporary College Closing for On-Campus Courses. Please discuss this contingency plan with your instructor. For distance learning courses, your instructor will use email to contact students in the event of extended technology downtime. To assure work in the class continues, it is important for all students to have an accurate email address recorded in both eCampus and eConnect.</td>
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<tr>
<td><strong>Disclaimer Reserving Right to Change Syllabus</strong></td>
<td>The instructor reserves the right to amend a syllabus as necessary.</td>
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